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1. Dr. Payal Nagpal - Hypertext Narrative and Globalisation: Studying the Cultural Intersection of Carnavalesque and Altermodernism in Michael Joyce's Twelve Blue

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Hypertext Narrative and Globalisation: Studying the Cultural Intersection of Carnavalesque and Altermodernism in Michael Joyce's Twelve Blue

Sakshi Bansal
Vineeta Prasad
Payal Nagpal

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Abstract

Globalisation has brought the world together and technology has helped it do so efficiently. It has eliminated the idea of distance by proposing virtual proximity so much that everything seems almost the same. Although this cultural homogenisation leads the path towards wider accessibility, it has also resulted in a lack of originality and uniqueness. This article aims to explore the structure of Michael Joyce's work *Twelve Blue* to understand the contemporary cultural significance of hypertext narrative construction in this globalised context. By drawing from the notion of carnivalesque by Mikhail Bakhtin and altermodernism by Nicolas Bourriaud, it seeks to



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2. Dr. Payal Nagpal - Poetic Artefacts in Sabitha Satchi's

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HEREAFTER
SABITHA SATCHI

Poetic Artefacts in Sabitha Satchi's Hereafter

Payal Nagpal

HEREAFTER by Sabitha Satchi Poetrywala, Mumbai, 2021, 75 pp., 299

AUGUST 2023, VOLUME 47, NO 8

Sabitha Satchi's debut poetry collection *Hereafter* surpasses all expectations from a first book. *Hereafter* is the work of a seasoned pen, with well-chiseled poems, backed with profundity of thought. The artwork in the book including the cover image is by the Kerala film maker and artist KM Madhusudhanan. Selections from Madhusudhanan's 'Oedipus Series' separate the different sections in this poetry collection.

The poem 'Forked Tongue' forms the preface to the book and prefixes Sabitha Satchi as a writer 'with a forked/ tongue', a bilingual writer; Satchi writes in Malayalam as Sabitha TP. *Hereafter* encapsulates Satchi's tryst with life and language—'I struggled to pronounce Scie-/rosis, and instead, wrote of dancing/ feet, out of step with rhyme and time/ it sang of learning to walk in baby/ steps and learning to say *ka kha ga ghai* A for Amma and L for Love/ and Life, in poetry'

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3. Dr. Payal Nagpal - Lakshmi Kannan's *Guilt Trip* and other Stories: An Instance of a New Feminist Poetics

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Confluence Nov-Dec 2023


Lakshmi Kannan's *Guilt Trip* and Other Stories An instance of a new feminist poetics! Reviewed by Payal Nagpal

Bi-lingual writer and translator, Lakshmi Kannan has written several novels, short story and poetry collections in English. She also writes in Tamil under the nom de plume "Kaaveri". A translator of repute, she has translated from Tamil to English. Kannan is the recipient of the *Ikkkiya Chintana* Award for short fiction in Tamil and the Katha Award for Translation.

Guilt Trip and Other Stories, Kannan's recent short story collection, has eleven short stories and two long stories. The glossary at the end gives the meaning of the Tamil words mentioned in the stories. The setting of these stories varies from the 1970s and 1980s to the present time. A complex understanding of women's position in the Tamil cultural milieu and the Indian society at large is presented vividly in these stories. Each one peels off a layer of the patriarchal structure to make us confront our assumptions about socially accorded roles, especially as women. The author shares her experiences and wisdom in relatable language, maintains an objective stance and refrains from imposing the authorial view on her

the doctor's question, "For God's sake, allow her to breathe. What's this pile of clothes doing on her bed?" jolts the reader out of complacency. "The Colour Green" presents the pathetic plight of parents who go to meet their children settled abroad, only to end up as house workers for their families. The stories underscore how it is certainly not a joyous situation for a woman to spend precious hours in the kitchen to satiate the patriarchal palate. The stories emphatically reveal how women remain trapped doing unproductive labour in the household. The grim realities of life are accompanied by moments of fun and gentle laughter—the young boy Prakash's struggle to negotiate with English through the vernacular turns "A for Apple" to "A for Aji"; the dapper man who helps Jayashree in "As Dapper As They Come" brings sunshine into the bleak atmosphere; the camaraderie of young girls in the

The two long stories in this collection have been written in the Tamil genre of "Nedung Kathaigal" where gender issues are presented in a phased manner. In the long stories too, we encounter strong women characters such as the ageing and near blind Janaki and Arundhati, a teacher in the University, struggling with age related osteoarthritis. The Teiresian wisdom of Janaki in "Janaki Turns a Blind Eye" through heightened aural powers helps her to protect her granddaughter-in-law's jewellery, her *stree dhan*, the ornaments given to her at the time of marriage. She overhears the devious plans of her daughter and grandson and forewarns their daughter-in-law Vidya. Janak's perspicacity of thought and her conviction as woman are inspiring. In "VRS" the female protagonist Arundhati, is surprised at the indifference of her husband, a medical practitioner, to her condition. As the sequence of events unfold, Arundhati is shocked and disappointed at how her husband had chosen to give up his medical practice and follow a Swami, as she was still earning and would therefore take care of all household expenses. Her firm





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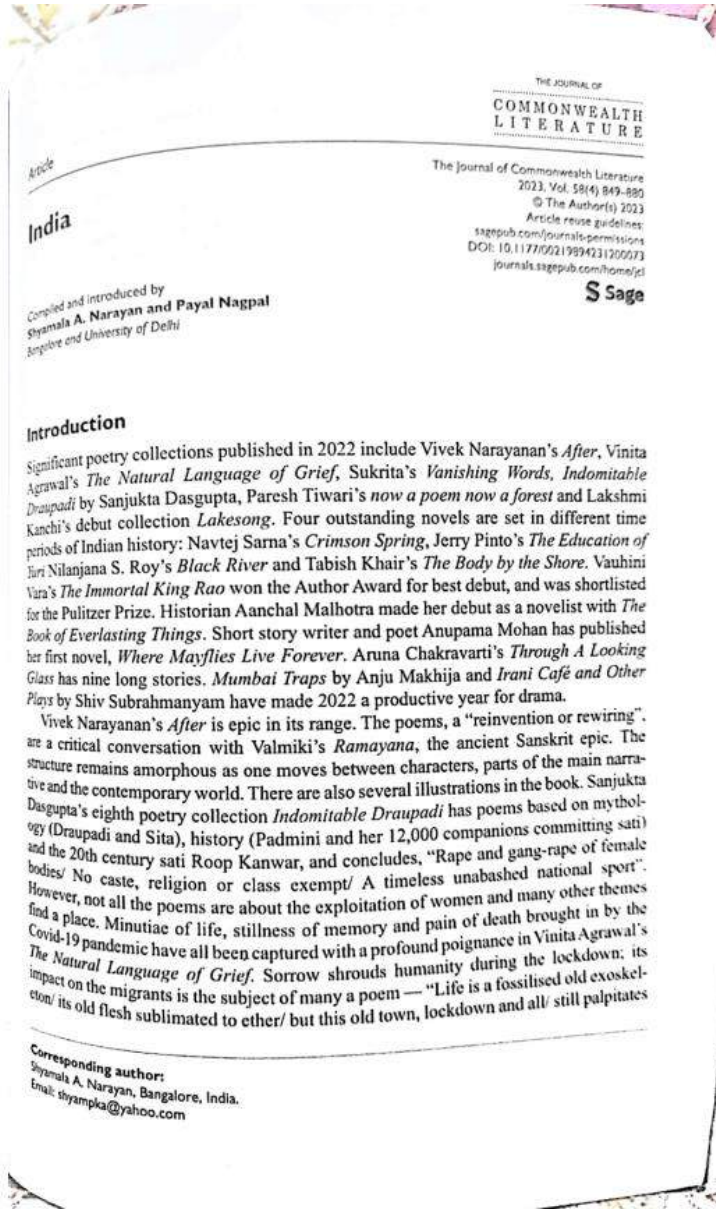
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5. Dr Indu Jain - Partition Horrors and The Short Story

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Partition Horrors and the Short Story

Dr. Indu Jain

Associate Professor, Department of English, JDMC, Delhi University

Stories have been (re) told and passed down from time immemorial, from generation to generation, from place to place, and the tradition of story telling is probably as old as language itself. The need to relate one's experiences and cast them in narrative form is very strong in human beings and the same expresses itself through story telling. In all 'primitive' cultures this is how myths and legends too were passed down. As the stories were transmitted orally, they inevitably carried a strong sense of the teller with them and all successive narratives were embellished with the mark of the teller's personality and history. When these myths and legends, this folklore was developed, and written down, it took the form of the earliest known written narratives like The Old Testament, the Greek and Roman myths, the Ramayana and the Mahabharata. The various civilizations that flourished in our land through faiths of the different periods, questions of human situations are to be seen explained in stories about saints like the Buddha, as in the Jatakas, or Buddhist birth stories, in the Panchtantra, the Hitopadesa, Vikram and Betal and so on. In Gods, Demons and Others, R.K Narayan, talking about the people of India, describes how a storyteller provided his village not only with entertainment but also with moral and religious instructions. Stories might have been present in our cultures since pre-historic days, yet the short story as a distinctive genre is as recent a phenomenon as to have the Oxford English Dictionary include a formal definition of it only in 1933.

Some interesting questions to look at are- can the story telling impulse of human beings be



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6. Dr Indu Jain - Dossier-Negotiating Urban Spaces: Access, Care and Confinement in Contemporary Gendered Performance


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Theatre Research International

Dossier—Negotiating Urban Spaces: Access, Care and Confinement in Contemporary Gendered Performance

Published online by Cambridge University Press: 26 February 2024

INDU JAIN and TRINA NILEENA BANERJEE

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Extract

This dossier explores the ways in which theatre and performance practitioners across the globe have addressed the deeply gendered modes of differential access to public spaces, institutional support, and resources through their creative as well as activist work, during the pandemic and its aftermath. In the last three years, the pandemic has transformed experiences of urban space globally. Access to public space has always been gendered as well as shaped by geographical location, race, caste, class and sexual identity. These traditional modes of differential access have been radically reorganized by the isolation and uncertainty engendered by the global pandemic. While 'working from home' was certainly not an option for everyone (most notably, care-workers in an overwhelmingly feminized profession), confinement to

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7. Dr Indu Jain - Collective resistance roundtable discussion

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Maria Kullikovska & Alissa Clarke
Pages: 121-135
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8. Dr Indu Jain - Daughters Opera: an epistemic representation of feminist solidarities

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9. Tarun Sharma - Love, Detachment & Hope in the poems of Nandini Sahu



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Love, Detachment & Hope in the poems of Nandini Sahu

Tarun Sharma
Assistant Professor,
Department of English,
Janki Devi Memorial College,
University of Delhi.
Email: tarun@jdm.du.ac.in

ABSTRACT

A Song, Half & Half by Nandini Sahu is a collection of her love poems, published in the year 2022. The collection consists of more than sixty poems, each encapsulating an essential flavour of life. The book embodies a heart in solitude, that is accidentally shaken up by the sweet and sour turbulences of memory. A thoughtful poet is always indebted to its memory, one who cherishes nostalgia and uses imagination to weave the thread of past events with a needle of creativity to produce art. Nandini Sahu is one such poet, she is emotional and passionate in her poems, and honest towards her readers. Her love poems are a collage of chronicles that speaks volumes about her journey, full of success, struggles and epiphanies that shaped her personality and character. She is a chronicler who delves into the ocean of life, full of varied experiences and offers a scintillating bricolage to her readers. This paper sheds light on those poems by Nandini Sahu, that explore the themes of detachment, existentialism and absence of feeling. It also examines the idea of belief in fate and the importance of speaking the truth, when surrounded by hardships of life. This dichotomy of hope and despair fuels the poetry of Nandini Sahu, and encourages its readers to live life in the face of defeat.

Keywords: *Detachment, Existentialism, Feelings, Hope, Despair, Poetry.*

Nandini Sahu, academic, educationist, ecofeminist, novelist, poet, is a monumental name in the contemporary Indian English literary arena. For those who are familiar with the works of Nandini Sahu, would know that she is a writer with plenty of colours. The canvas of her writings is wide and versatile, which includes collections of short stories and several poetry anthologies.

In *A Song, Half & Half*, Nandini Sahu celebrates every available strain of thought associated with love, appealing to readers' innumerable and varied experiences of it. The collection has something for everyone out there who had lived in the times of love, or loved in the times of hatred. Love changes forms and takes shape of one's own idea of it. Humans nurture love and as it grows, love begins to nurture us. Nandini Sahu's love poems is a testament to life's rich tapestry that narrates the story of her encounters with love in different forms, Self-love, Ishq-e-haqiqi (Love for truth), Ishq-e-Majazi (Love for human beings), love for nature, etc. The author is nostalgic and travels constantly back and forth into the past, however, at the same time the poet's persona is not in search of the lost time. A sense of detachment, after long arduous struggles is felt, and as a result, pain attached with the memory of love is dealt with a touch of humour. In her poems, love and the memory of love is portrayed in all possible shades



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of red, that is loving and affectionate, at the same time, it exudes excruciating pain. The horizon of A Song, Half and Half is like a meadow that encompasses every element in the universe and caters to a variety of human experiences and subsequent emotions.

Promises and uncertainty go hand in hand in life. The latter makes us anxious and devoid us of taking decisions at the right time whereas the former fills us with fragile infinite hopes of a dreamy future. A lover lives somewhere between the paradigms of promise and uncertainty, a surreal space that functions in binaries. "No Next Birth" is a poem that delves into a similar territory where the speaker stands with a promise in hand, given in the past, of a beautiful future. This promise is a metaphor for next birth that is so far removed from the reality that it holds no assuring value anymore.

The readers hear the echoes of Rumi and Amrita Pritam in this poem by Nandini Sahu, the difference being, that hope is gradually diffusing and the assuring effect of promise is fading away. The speaker 'dissents' and ardently retires into oneself. "We will meet again in the next birth" (Sahu, 83), if understood in its very essence, is a half promise, an abstraction that holds no value in the present life. A sense of detachment has taken over the nerves of the speaker and shallow promises have created a vacuum in the soul (core) of the speaker. This interplay of promise and uncertainty has prolonged the suffering of the speaker who resolves to transcend it.

In the poems of Nandini Sahu, the speaker is often found at the threshold, contemplating the act of crossing the river. The lover is indecisive, searching for courage and strength to overcome the unbearable indifference of the beloved. Traditionally, lovers are not good analysts, they find glory in the idea of suffering and celebrate it as well. Nandini Sahu breaks away from this traditional idea of a lover and love, and creates a new order in her poems. In her poems, the lover questions, contemplates and retrospect to find new approaches in life. This lover does not believe in complete surrender to the mercy of the beloved, rather, constantly grows, pushing across the obstacles.

"Shipwrecked Souls" by Nandini Sahu is a poem about acceptance and facing reality in its true sense. "Yes, true that. Life is a shipwreck-but are we anticipating to live in a lifeboat?" (Sahu, 89) These opening lines shatter the traditional roles of a lover who was readily at the receiving end of the equation. Here, the lover is bold, confident and perseverant, someone who learns from the past and bid for a new future, constantly affirming to the idea that life is full of hardships, something that is not at all surprising to the speaker. In her writings, Sahu



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From "Neti" to "Deathless Goddess": The Feminine in Nandini Sahu's *Sita* and *Shedding the Metaphors*

Namita Sethi
Associate Professor,
JDM College
University of Delhi
Email: namita867@gmail.com

ABSTRACT

In both *Sita* and *Shedding the Metaphors*, Nandini Sahu offers revolutionary interpretations of womanhood, effortlessly embracing nature, tradition, and modern cultural norms. She says she "pours" her own "image" and "personality" into her characters and stories, drawing on her own experience and interactions (*Shedding the Metaphors*, Preface, 13). Her approach embraces subjectivity and empiricism as well as her broad variety of readings, including both literary and academic works, even though it is not necessarily autobiographical. Nandini Sahu also makes Sita her own in *Sita*, revitalizing Sita's mythology in the process and giving her a strong sense of modern relevance in poetry that is never prosaic and is driven by argument. Her women characters emerge as strong and impressive, with a strong emotional maturity and a marked sense of empathy and morality but willing to reveal their raw emotions and spontaneity. Their exploitation by uncaring individuals is seen in keeping with a patriarchal society, that is destructive of both femininity and nature. The strong single mothers and single working women manage to draw on their capacity to love and take care of others to feed their strength. Her women are Goddess-like and like primal Nature: abundant, giving, strong, eco-feminist, and ready to break free from stereotypes and conventional metaphors. The subjectivity of Sahu's *Sita* is strongly Indian feminist and highly modern. She moves fluidly between the past, conceptions of the past, and present patriarchy, where female foeticide still haunts India, without missing a beat (of argument or metre). She probes into every facet of women's existence, connecting old conceptions of male supremacy with present clichés.

Keywords: *Sita, Neti, Shiv Dhanush, femininity, Kali.*

"She must write herself, because this is the invention of a new insurgent writing which, when the moment of her liberation has come, will allow her to carry out the indispensable ruptures and transformations in her history, first at two levels that cannot be separated" (Helene Cixous, *The Laugh of the Medusa*, 880)

Nandini Sahu offers transformative versions of femininity, embracing nature, tradition and the contemporary cultural mores with ease in both *Sita* and *Shedding the Metaphors*. She draws upon her own experience and encounters, and claims that she "pours" her own "image" and "personality" (*Shedding the Metaphors*, Preface, 13) into her characters and stories. Though not always autobiographical, her approach celebrates subjectivity and empiricism as well as her wide range of readings: both literary and theoretical.

Her poem *Sita* presents a timeless and a very self-conscious Sita, who is painfully aware of cultural appropriation and acts of patriarchal oppression against women and nature. Stepping out of the haloed portals of a classical text, this character addresses her fans and critics, conservatives and feminists alike, and engages in a dialogue with them, alerting them that the fire test, the episode most associated with Sita's subservience and obedience, should not be used to justify the "low status of women" and a "tradition of silent suffering and subjugation."



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(Sita 74). Sita “did not encourage women to charitably accept humiliation” (Sita 75). This is a Sita with a voice and agency of her own, rising triumphantly out of the mainstream and other versions of the epic.

It is always a bold task to engage with the protagonists of the Indian epics. For these texts are not just maha kavya and itihasa (thus it was) for billions of readers, they constitute a living tradition and a repository of cultural values. They often evoke massive emotions and a resistance to reinterpretation among readers and consumers of mass media versions of the epic. To complicate matters further there exist more than three hundred versions of The Ramayana written over centuries. Nandini Sahu makes the conscious and intrepid choice to compose a long poetic memoir of Sita: a character who has often been seen as synonymous with the ideal of Indian womanhood, with her endless capacity for fortitude, borne of suffering and injustice, and forgiveness. And yet Sita is inescapable: for Indian readers, including feminist ones, she engages attention. As Sahu points out:

“there is bit of Sitaness in every Indian woman, which is what engages me in this narrative penned in twenty-five long poems of three lined stanzas.” (Sita, Preface, vi)

In the process of celebrating and contesting the various definitions of heroism in The Ramayana, Sahu ends up interrogating “the gendered stereotype of an epic as a masculine form” (Sita, Preface ix).

Sahu’s entry point is the conflicting images of Sita that suffuse the epic. On the one hand is Sita the warrior who casually lifted the Shiv Dhanush (Shiva’s mighty bow), the stubborn and determined lady who defied all to accompany her husband in his exile, who kept Ravana at bay, whose love for her husband was her strength, and the one who finally refuses to undergo a second fire trial/agni pariksha, thereby rejecting a patriarchal and oppressive practice; choosing instead to embrace the earth mother, who is literally her mother. The strong single mother Sita and the ardent eco-feminist Sita are both celebrated by Sahu. On the other hand, she acknowledges the longstanding association of this heroine with unquestioning obedience to her husband and a life of austerity and self-denial.

The defiant Sita, the one who “like Parvati raised her children single handedly” (Sita, preface, viii), was the one that lived on in the folk songs of Mithila. Nandini Sahu draws upon a range of eclectic sources, ranging from Kamban, R.K. Narayan, Tulsidas’s Kavitavali (whose politics is different from that of Manas), Balaram Dasa’s Odia Ramayana, Odia critics as well as popular discourses, the Puranas as well as some folk songs of India. The use of multi-lingual and multi-regional sources, along with her vast reading of powerful mythical archetypal women from western literary traditions: both classical and popular, add multiple registers and



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Cryptocurrency Market Contagion: Market Uncertainty, Complexity, And Dynamic Portfolios

Manisha¹, Sanatan Tiwari², Alka³, Ritu Sapra⁴, Samrat Ray⁵

¹Department of commerce, Delhi School of Economics, University of Delhi <https://orcid.org/0000-0002-5012-7857>

²Assistant Professor, Janki Devi memorial college, university of Delhi, India. <https://orcid.org/0000-0003-3760-1670>

³Assistant Professor, Janki Devi memorial college, university of Delhi, India.

<https://orcid.org/0009-0008-1098-4177>

⁴Professor, Department of Commerce, Delhi School of Economics, University of Delhi, India <https://orcid.org/0000-0002-7720-1471>

⁵Dean and Head of International Relations, IIMS, Pune
s.ray@iimspune.edu.in

Abstract

Bitcoin is the most recognized and well-known cryptocurrency and there is a durable influence of market vagueness, complication, and dynamic portfolios on the cryptocurrency market contagion. Comprehensive discussion about the market uncertainty, complexity, and dynamic portfolios in the context of cryptocurrency market contagion. Moreover, it has been detected that these factors have a huge influence on the cryptocurrency market. In this study, investigators can gather data with the assistance of the primary data assortment procedure. Therefore, this data assortment technique examines the composed data statistically. Moreover, the analytical SPSS software tool



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Professor in Commerce, Janki Devi Memorial College, University of Delhi

Rajat K Sant

Professor in Commerce, MAC, University of Delhi

Dr Alka Dutt

Assistant Professor, CIC, University of Delhi

Neelu Verma

Research Scholar, University of Delhi

Abstract: Artificial intelligence is reshaping the future of Global Higher Education and Academic research. Hence, it is important to understand the necessary anticipations, outcomes, challenges and required interventions for preparing the higher education system for transformation and restructuring. The global adoption of technology is impacting the lives of many in terms of standard of living, education, employment and economic development. No technology can simply replace face-to-face teaching and personalize classroom experiences. EduTech companies are observing the opportunities and latest investment patterns and trends in South Asia, especially India and China. AI-powered tools are already used by authors, teachers, administrators, students and research scholars in developed countries. However, developing countries also show positive trends in AI usage in education. On the other side, there is a fear that dependence on AI tech tools can create a threat to many languages, creativity, human expressions, humanistic feelings in writing, cognitive thinking, communication abilities, original ideas etc. Moreover, AI may help in



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Sir Ganga Ram Hospital Marg, New Delhi-110060

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15. Prof. Anupama Rajput - Financial Inclusion Status in India



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Financial Inclusion Status in India

Anupama Rajput^{1*} and Bhawna Rajput²

¹Professor, Janki Devi Memorial College, University of Delhi, India.

²Professor, Aditi Mahavidyalaya, University of Delhi, India.

(Corresponding author: Anupama Rajput*)

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ABSTRACT: The paper attempts to measure the financial inclusion across 32 states of India for the period 2005-2020 using Index of Financial Inclusion (IFI). The measurement of IFI applies multidimensional approach based on three dimensions viz. banking penetration (BP), availability of the banking services (BS) and usage of the banking system (BU). The study provides an updated comprehensive index of financial inclusion and tries to fulfill the research gap of lack of efficient measure of financial inclusion for each state of India for the period under study. The states such as Goa, Chandigarh and NCT of Delhi showed impressive results with respect to financial inclusiveness. The states that fall under low financial inclusion category belong to north-eastern region of the country. The social backwardness and slow economic progress seem to be the important cause of low financial inclusion in the states of Bihar, Chhattisgarh and Rajasthan. The region-wise analysis of financial inclusion status showed that Northern region has performed better over other regions while the North-Eastern Region has performed poorly during the sample period.

Keywords: Financial inclusion, measurement, access indicators, usage indicators, quality indicators.

JEL Classification: G2, G20, F63, G51, O10

INTRODUCTION

There has been an increasing focus on the financial inclusion policies and initiatives as part of overall developmental plan of the country. The formulation and monitoring of effective financial inclusion policy essentially requires reliable financial inclusion data based on the major components of sustainable financial inclusion. Financial inclusion allows the provision of wide range of financial products and services at a reasonable cost mainly to the weaker section and low income group of the population. Financial inclusion enables to bring the large section of society under the ambit of formal financial network that enables the mobilization of financial savings into productive investments of the country. It helps to develop the culture of savings among large segment of rural population that enables the broadening of the resource base and thus plays an important role in the process of economic development. The United Nations' "declaration of achieving universal financial access by 2020" is a clear recognition that financial inclusion is a fundamental prerequisite for economic growth and poverty alleviation. The traditional indicators of financial inclusion such as such as bank's branch penetration, percentage of population with bank's account ownership, loans availed or ATM penetration fails to provide comprehensive view of the growth of financial inclusion of the country. In fact, the concept of financial inclusion goes beyond single indicators. The multidimensional and comprehensive measurement of financial inclusion is significant in several ways: Firstly, measurement of financial inclusion which is the single

composite index of several indicators helps to evaluate the complex nature of financial inclusion and helps to better monitor its evolution. Secondly, a "comprehensive measure of financial inclusion" can allow the study of the link between financial inclusion and other macroeconomic developmental variables such as economic growth and financial stability. Thirdly, a better understanding of the challenges of financial inclusion can be created through the information by different dimensions. It can be a useful tool for policy making and policy evaluation. The present paper attempts to estimate the level of financial inclusion across 32 states of India during the years 2005 to 2020 using multidimensional Index of Financial Inclusion (IFI).

REVIEW OF LITERATURE

Financial inclusion has become the buzzword and has gained significance in developmental studies conducted by research scholars, policy makers and economists. Attempts have been made in the past to provide a comprehensive measure of the financial inclusion in order to incorporate information of its several dimensions in a single measure.

Sarma (2008) suggested a multidimensional index for calculating financial inclusion and constructed index of financial inclusion using three dimensions namely banking penetration (BP), availability of the banking services (BS) and usage of the banking system (BU).

C-GAP (2009) used four variables namely volume of savings and payments, credit offered and delivery of financial services to measure financial inclusion level across different regions of the world. It was found that



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there is a significant variation in the availability of financial access delivery channels across high income and low-income countries and a wide urban-rural divide is visible in most of the developing countries of the world.

Arora (2010) measured financial inclusion using dimensions of physical access, ease of use and cost of transactions. The study showed that the comprehensive and broader index of financial inclusion is important to get a better picture of country's development.

CRISIL inclusix (2015) considered Branch Penetration (BP), Credit Penetration (CP) and Deposit Penetration (DP) as indicators of financial inclusion measurement in India. The study found that the states with high level of urbanization are better performers as far as financial inclusion in India is concerned. The smaller states outperformed the bigger states of India.

Camara and Tuesta (2017) estimated multidimensional financial inclusion index for 137 developed and less-developed countries and found that access is an important dimension for explaining the degree of financial inclusion.

Ravikumar (2018) has attempted to provide empirical estimates of financial inclusion in India using dimensions of accessibility, usage and quality indicators of financial inclusion.

Sethy & Goyari (2022a) conducted the comparative evaluation of financial inclusion amongst the South Asian countries. Overall evidence showed an increase in the level of financial inclusion as measured by Financial Inclusion Index from 2004 to 2018. Amongst seven South Asian countries, India showcased the highest value of FI during the period of 2013 to 2017. During the year 2018, all South Asian countries were classified under the high financial inclusion category.

MEASURING FINANCIAL INCLUSION – INDEX OF FINANCIAL INCLUSION (IFI)

The present study estimates IFI by using multidimensional approach so that the degree of inclusiveness in the financial system can be judged yearly on several dimensions and perspectives for each of the states in India during the sample period. The present study uses the UNDP's approach of computation of some well-known development indices such as the "Human Development Index" (HDI), "Human poverty index" (HPI), and the "Gender Development Index" (GDI). "IFI is computed by first calculating a dimension index for each of the dimension of financial inclusion. The dimension index for the *i*th dimension, d_i , is computed by the following formula:

$$d_i = \frac{A_i - m_i}{M_i - m_i} \quad (1)$$

where

A_i = Actual value of dimension *i*

m_i = minimum value of dimension *i*

M_i = maximum value of dimension *i*

If each dimension d_i is depicted by two or more indicators then in that case, d_i is the average of each of indicator. If d_i is captured by say *n* indicators then symbolically, $d_{i1}, d_{i2}, \dots, d_{in}$ will be *n* indicators. Each d_{in} indicator will be estimated by using equation 1 as

above and average of each will be taken as follows to estimate d_i to be used to estimate IFI in equation 2:

$$d_i = \frac{d_{i1} + d_{i2} + \dots + d_{in}}{n} \quad (2)$$

Formula (1) ensures that $0 \leq d_i \leq 1$. "Higher the value of d_i , higher the state's achievement in dimension *i*. If *n* dimensions of financial inclusion are considered, then, a state *i* will be represented by a point $D_i = (d_{i1}, d_{i2}, d_{i3}, \dots, d_{in})$ on the *n* dimensional Cartesian space" (UNDP Human Development Reports). "In the *n*-dimensional space, the point $O = (0, 0, 0, \dots, 0)$ represents the point indicating the worst situation while the point $I = (1, 1, 1, \dots, 1)$ represents the highest achievement in all dimensions. The index of financial inclusion, IFI for the *i*th state, then, is measured by the normalized inverse Euclidean distance of the point d_i from the ideal point $I = (1, 1, 1, \dots, 1)$ " (UNDP Human Development Report). The formula for estimating IFI is

$$IFI = 1 - \frac{\sqrt{(1-d_{i1})^2 + (1-d_{i2})^2 + \dots + (1-d_{in})^2}}{\sqrt{n}} \quad (3)$$

It may be noted that IFI is based on a measure of the distance from the ideal. Also, the present study uses the empirically observed value (i.e. actual value) for each dimension rather than pre-fixed values for the minimum and maximum of each dimension used in the UNDP methodology to compute the dimensional index. It has two distinct advantages firstly, since fixing the minimum/maximum is difficult for a particular dimension of financial inclusion, so empirical maximum and minimum value is the best measure. Secondly, with the use of this empirical scheme, prevailing actual situation can be depicted by financial Inclusion Index. It may be noted that the actual minimum and maximum values for any dimension of the index may change over time and with different cross-sectional units (states in this case). IFI computed in this way can incorporate the element of relativity which is significant for the comparison purpose.

VARIABLES USED

The index of financial inclusion in this study is estimated using three basic dimensions of an inclusive financial system as used by Sama (2008): "banking penetration (BP), availability of the banking services (BS) and usage of the banking system (BU)". The number of deposit and credit accounts per 1000 people of the total population (d_{11} & d_{12}) are used as indicators of banking penetration. The number of bank branches per 1000 population and number of bank branches per sq.km of area (d_{21} & d_{22}) are used to measure the availability dimension. The volume of credit and deposit as proportion of the State's Gross Domestic Product (SGDP) (d_{31} & d_{32}) have been used to measure of usage of banking services dimension.

Following the classification used by Sama (2008), "depending on the value of IFI, each state has been classified into three categories, namely, high financial inclusion, medium financial inclusion and low financial inclusion.

- i. $0.5 \leq IFI \leq 1$ high financial inclusion.
- ii. $0.3 \leq IFI \leq 0.5$ medium financial inclusion.
- iii. $0.0 \leq IFI \leq 0.3$ low financial inclusion".



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DATA USED

IFI is estimated using state-wise panel data of 32 Indian states spanning over a period from 2005 to 2020. The information on state-wise deposit and credit accounts has been obtained from Basic Statistical Return Relating to Commercial Banks in India.

The state-wise annual population data is derived from the projected population estimates given by office of

census of India, Government of India. The data on Gross State Domestic Product (GSDP) has been collected from "Handbook of Statistics on Indian Economy published by Reserve Bank of India". The IFI is estimated for each state for each year of the period of study. The descriptive statistics as minimum (Min), maximum (Max), mean, standard deviation of the indicators used in the study are reported in Table 1.

Table 1: Summary Statistics of Indicators of different Dimensions of Financial Inclusion.

Variables	Mean	Std. Dev	Min	Max
Deposit to SGDP (d_{11})	0.609424	0.39868	0.106013	2.30903
Credit to SGDP (d_{12})	0.362942	0.443086	0.032922	2.856231
Branches per 1000 persons (d_{21})	0.09688	0.053947	0.032149	0.343062
Branches per square Km (d_{22})	0.169101	0.544972	0.0008	3.850877
Deposit Accounts per 1000 Persons (d_{31})	734.6724	489.7878	112.2808	2775.558
Credit Accounts per 1000 persons (d_{32})	83.90705	59.59196	12.97337	425.3905

Source: Author's own Calculation

EMPIRICAL RESULTS

The simple distribution of states in terms of their achievements of financial inclusion index (using 16 years average of IFI) in terms of high, medium and low category on the basis of taking a "cut-off value of the index below 0.3 as low, above 0.3 and below 0.5 as medium and above 0.5 as highest" (Sarma, 2008) shows that 29 states in India fall in the lowest category (Table 2). One state (Goa) and two states (Chandigarh and NCT of Delhi) are in the medium and high categories respectively.

The state-wise IFI for the latest year of the period under study (i.e. 2020) is provided in Table 3. The result shows that in 2020, Chandigarh attained first rank with the value of 0.674 followed by Delhi with the value of 0.579. Nagaland had the lowest value of 0.015 and gained 32nd rank. Manipur has 31st rank with the value

of 0.024. The year-wise distribution of states in terms of IFI is provided in Table 4. The results depict that most of the Indian States falls in the category of low financial inclusion. Chandigarh and NCT Delhi fall under high financial inclusion category with Goa in medium financial inclusion. The impressive results are depicted by the states viz. Goa, Chandigarh and NCT of Delhi with respect to financial inclusion during the sample period. It is observed that the states having high GDP per capita are found to have high financial inclusion. The low financial inclusion category includes mostly the north-eastern states. The states of Bihar, Chhattisgarh and Rajasthan are classified as states under low financial inclusion category mainly due to the social backwardness and slow economic progress witnessed in these states.

Table 2: Summary Statistics of Financial Inclusion Index (IFI) By State (2005-2020).

Sr. No.	State	Mean	Standard Deviation	Maximum	Minimum	Observations
High Financial Inclusion						
1.	Chandigarh	0.823536	0.097583	0.968194	0.67404	16
2.	NCT of Delhi	0.569215	0.027224	0.641469	0.549515	16
Medium Financial Inclusion						
3.	Goa	0.465036	0.029003	0.517119	0.42134	16
Low Financial Inclusion						
4.	Haryana	0.158307	0.022171	0.212499	0.132193	16
5.	Himachal Pradesh	0.207745	0.011301	0.230713	0.195216	16
6.	Jammu & Kashmir	0.150051	0.018473	0.190594	0.126765	16
7.	Punjab	0.248339	0.020913	0.300407	0.226911	16
8.	Rajasthan	0.083794	0.009757	0.105302	0.067907	16
9.	Arunachal Pradesh	0.075879	0.00792	0.085465	0.060049	16
10.	Assam	0.058425	0.010326	0.089908	0.049736	16
11.	Manipur	0.005838	0.007173	0.024567	0.000152	16
12.	Meghalaya	0.09391	0.011439	0.119188	0.075688	16
13.	Mizoram	0.09605	0.017585	0.135875	0.068269	16
14.	Nagaland	0.019378	0.005909	0.029502	0.010141	16
15.	Tripura	0.121859	0.027322	0.178124	0.095737	16
16.	Andaman & Nicobar Islands	0.116511	0.011209	0.13769	0.097077	16
17.	Bihar	0.061416	0.011386	0.082611	0.045736	16
18.	Jharkhand	0.087935	0.013209	0.117929	0.07431	16
19.	Orissa	0.118487	0.014567	0.148608	0.098047	16
20.	Sikkim	0.140472	0.019712	0.175367	0.096473	16
21.	West Bengal	0.128037	0.01277	0.154659	0.114007	16



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22.	Chhattisgarh	0.059982	0.013312	0.095401	0.045273	16
23.	Madhya Pradesh	0.088638	0.011244	0.114016	0.075132	16
24.	Uttar Pradesh	0.095794	0.0108	0.115305	0.083404	16
25.	Uttaranchal	0.185141	0.015496	0.218321	0.164564	16
26.	Gujarat	0.13326	0.01162	0.156127	0.119712	16
27.	Maharashtra	0.280165	0.051253	0.356143	0.16887	16
28.	Andhra Pradesh	0.239346	0.05904	0.312529	0.104159	16
29.	Karnataka	0.236796	0.017405	0.264868	0.184819	16
30.	Kerala	0.277426	0.016092	0.303994	0.248515	16
31.	Pondicherry	0.234102	0.016376	0.256861	0.202424	16
32.	Tamil Nadu	0.275182	0.032031	0.319352	0.185314	16

Source: Author's Own Calculation

Table 3: State-Wise Index of Financial Inclusion (IFI) (2020).

Sr. No.	State	IFI	Rank
1.	Chandigarh	0.67404039	1
2.	Haryana	0.212499004	11
3.	Himachal Pradesh	0.230713159	10
4.	Jammu & Kashmir	0.190593785	13
5.	NCT of Delhi	0.579535944	2
6.	Punjab	0.300407023	6
7.	Rajasthan	0.095649326	26
8.	Arunachal Pradesh	0.082468763	30
9.	Assam	0.089907517	28
10.	Manipur	0.024567432	31
11.	Meghalaya	0.119188152	21
12.	Mizoram	0.135875006	19
13.	Nagaland	0.015897597	32
14.	Tripura	0.178124305	14
15.	Andaman & Nicobar Islands	0.11937795	20
16.	Bihar	0.082611303	29
17.	Jharkhand	0.117929276	22
18.	Odisha	0.148607898	18
19.	Sikkim	0.16456645	15
20.	West Bengal	0.152197147	17
21.	Chhattisgarh	0.095400895	27
22.	Madhya Pradesh	0.114015879	23
23.	Uttar Pradesh	0.112208398	24
24.	Uttarakhand	0.205901376	12
25.	Goa	0.454555796	3
26.	Gujarat	0.156127024	16
27.	Maharashtra	0.3075844	5
28.	Andhra Pradesh	0.1041589	25
29.	Karnataka	0.264867625	8
30.	Kerala	0.298319288	7
31.	Puducherry	0.254079746	9
32.	Tamil Nadu	0.319351693	4

Source: Author's Own Calculation

Table 4: Year-wise Distribution of States by Financial Inclusion Index (IFI).

Year	High	Medium	Low	Total
2005	2	1	29	32
2006	3	0	29	32
2007	3	1	28	32
2008	2	1	29	32
2009	2	1	29	32
2010	2	1	29	32
2011	2	1	29	32
2012	2	2	28	32
2013	2	2	28	32
2014	2	2	28	32
2015	2	2	28	32
2016	2	2	28	32
2017	2	1	29	32
2018	2	3	27	32
2019	2	2	28	32
2020	2	4	26	32

Source: Author's Own Calculation. Note: Figures show number of states in each year



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The region-wise analysis of expansion of financial inclusion process shows that the Northern Region of the country has depicted the highest level of financial inclusion while poor performance is noted in the North-Eastern Regions of the country (Table 5). The existence of problems of mountainous terrain and low economic development in the North-Eastern parts of India are important causes for poor performance in these regions. Also, the Eastern Region and the Central Region come under low financial inclusion category which can be related to the low levels of growth and various socio-economic problems faced by these regions.

Table 5: Region-Wise Index of Financial Inclusion.

Sr. No.	Average IFI	Region
1.	0.322998	Northern Region
2.	0.067334	North-East Region
3.	0.10881	Eastern
4.	0.107389	Central
5.	0.292821	Western
6.	0.25257	Southern

Source: Author's Own Calculation

CONCLUSION

Financial Inclusion is the roadmap to bring the population from the unbanked and unreached segments in the society into the ambit of formal financial system. The Government of India has initiated diverse steps to improve the status of financial inclusion in our society. However, empirical results suggest a very low level of financial inclusion for most of the states in India. The impressive results with respect to financial inclusiveness are depicted by the states such as Goa, Chandigarh and NCT of Delhi. It can be observed that the states having high SDP (State Domestic Product) per capita have shown high value of index of financial inclusion. Most of the states that fall under low financial inclusion category belong to north-eastern region of the country. The social backwardness and slow economic progress seem to be the important cause of low financial

inclusion in the states of Bihar, Chhattisgarh and Rajasthan. The analysis of region-wise financial inclusion status revealed that the highest level of financial inclusion is shown by Northern Region while the North-Eastern Region has performed poorly. Therefore, the Government policy framework should target the states with low degree of financial inclusion and accelerate financial services for the rural poor and ensure improved access of cost-effective banking products and services.

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Anuradha Goel
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CA. Pankaj Goel
Member of the Institute

Finance commissions in the past have focused on the Financial Sustainability of Urban Local Bodies (ULBs) and grants have been linked to parameters that require Urban Local Bodies (ULBs) to have robust revenue like the 14th Finance Commission kept a provision of 20% as Performance Grant, 15th Finance Commission used carrot and stick approach for releasing grants; *carrot in terms of released grants if the State has migrated to the Capital Value method of Property Tax and its growth is commensurated with State Gross State Domestic Product (GSDP)*.

Government of India (GoI) Flagship Programs whether Smart City or Atal Mission for Rejuvenation and Urban Transformation (AMRUT), 14th Finance Commission (FC), and 15th Finance Commission (FC) advocate publishing of unaudited and audited Annual Financial Statement (AFS) of Urban Local Bodies (ULBs) within specified timelines. The Ministry of Housing and Urban Affairs (MoHUA)² has recently released guidelines for ranking cities financially. These guidelines, which are based on 15 parameters, utilize the Budget and Annual financial statements of Urban Local Bodies (ULBs) as the primary documents for assessing the financial ranking of cities. *This underlies the importance of timely financial reporting in coming years.*

This article aims to highlight the essential requirements that States and Urban Local Bodies (ULBs) must fulfill to adhere to the timelines set by the 15th FC. Establishing a robust Financial Ecosystem by the State/ULB is crucial for maintaining financial discipline. This ensures not only eligibility for grants but also the availability of documented Annual Financial Statements (AFS) for future city financial rankings and assessing the creditworthiness of ULBs for issuing Municipal Bonds.

¹ 15th Finance Commission and Para 8 of AMRUT 2.0

² Final Guidelines & Ranking Framework March, 2023, MoHUA



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17. Ekta Bansal - IMPACT OF SOCIAL MEDIA ADVERTISING ON CONSUMER BUYING BEHAVIOR TOWARDS COSMETIC PRODUCTS AMONG WOMEN IN DELHI NCR

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18. Madhu Gupta - A STUDY OF FINANCIAL PLANNING FOR RETIREMENT AMONGST INDIVIDUALS IN SELECT AGE GROUP OF 45 YEARS TO 65 YEARS IN INDIA'

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A STUDY OF FINANCIAL PLANNING FOR RETIREMENT AMONGST INDIVIDUALS IN SELECT AGE GROUP OF 45 YEARS TO 65 YEARS IN INDIA
Dr Madhu Gupta, Professor, Janki Devi Memorial College, University of Delhi

ABSTRACT
Retirement is a crucial stage in one's life and financial planning plays a significant role in ensuring a comfortable and stress-free post-retirement life. As populations age and lifespans increase, individuals' pre-retirement planning increases. The economic dependency of older people on the working population. The present study is conducted to understand the financial planning practices of pre-retired people in India using Google forms. The findings of the study show that most pre-retired people in India rely on a combination of pension plans, interest income from investments (fixed deposits), rental income from property and investments in equity-based instruments to secure their financial future. More than half of the participants felt their retirement finances would be inadequate to meet their old age expenses. Moreover, most people in India believe that their children will support them in old age or the government will provide support. To address the challenge of economic dependency among older people, it is essential for policy makers to encourage pre-retirement planning and financial literacy among individuals.

key words: Ageing population, Old age dependency ratio, Financial planning, Retirees, Retirement

INTRODUCTION
According to World Population Prospects 2019 (United Nations, 2019) "Throughout most of the world, survival beyond age 65 is improving. Globally, a person aged 65 years in 2015-2020 can expect to live, on average, an additional 17 years. By 2045-2050, that figure will have increased to 19 years. Between 2015-2020 and 2045-2050, life expectancy at age 65 is projected to increase in all countries"

Figure 1: Life Expectancy 1990-2050

As populations age and lifespans increase, the economic dependency of older people on the working population is becoming a significant challenge across the globe. The problem of economic dependency is especially acute in countries like India where the idea of filial piety and family support is deeply ingrained in the culture and it is common for parents to rely on their children and other family members for financial support in their old age. In 2020, old-age dependency ratio (65+ per 15-64) for India is 9.8 ratio. Old-age dependency ratio (65+ per 15-64) of India increased from 6 ratio in 1971 to 9.8 ratio in 2020 growing at an average annual rate of 1.00%.

OBJECTIVES

1. To understand the viewpoint of pre-retired individuals on their pre-retirement financial planning, retirement, sufficiency of pension and other resources affecting them.
2. To assist Government and other policy makers to formulate policies to provide education and financial literacy among individuals.

METHODOLOGY
The sample population was selected from the working population. The data for this study were obtained from secondary sources such as scholarly articles, books, and Ms Excel is used for analysis.

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19. Manisha Sinha - Environmental Efficiency of Indian Companies



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Environmental Efficiency of Indian Companies

Manisha Sinha¹

¹Janki Devi Memorial College, University of Delhi, Delhi, India

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ABSTRACT

The purpose of this study is to analyze the environmental impact of different sectors of the industry, Map the changes in environmental impact over two years from 2021-22 to 2022-23 and Derive a Figure of merit for environmental efficiency for different sectors. The study analyses the mandatory sustainability reports, for the year 2022-23, filed by the 72 of the top 100 companies, by market capitalization, in the required formats. The actual consumption of resources and generation of harmful gasses and waste has been normalized against the market capitalization of the company. The sustainability report of the 72 companies have been analyzed for the parameters of Use of water and sources of water, consumption of electricity and fuel, emission of greenhouse gasses and generation of waste and its disposal. Companies have been grouped into different sectors of the industry and an analysis of the parameters has been made for each industry sector. The study finds that an improvement in adherence to good environmental practices is seen across all industry sectors. Power generation, metal and mining and Oil and gas industry have the most environmental impact per unit of shareholder wealth created. The least environmental impact is from sectors like IT, Telecom, Healthcare and Pharma. The study recommends setting up of National Goals for reduction of environmental impacts and deriving industry wise targets from these national goals. It also recommends improvements in the structure of sustainability reports to ensure use of identical units and mandatory reporting for critical parameters.

Corresponding Author: Manisha Sinha, Janki Devi Memorial College, University of Delhi, Sir Ganga Ram Hospital Marg, Old Rajinder Nagar, Rajinder Nagar, New Delhi, Delhi, 110060, India. Tel. +011-49876630. E-mail: msinha@jdm.du.ac.in



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1. Introduction

This study analyses the sustainability reports for the year 2022-2023 of 72 of the top 100 companies by market capitalisation listed on the Bombay Stock Exchange; for this study, the actual consumption of resources and generation of harmful gasses and waste has been normalised against the market capitalisation of the company. The sustainability reports of the 72 companies have been analysed for the following parameters.

- Use of water and sources of water
- Consumption of electricity and fuel
- Emission of Greenhouse gasses
- Generation of waste and its disposal



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Companies have been grouped into different sectors of the industry, and an analysis of the parameters has been made for each industry sector.

The study also maps the changes over two years, from 2021-2022 to 2022-2023, and analyses them for improvements in the sustainability of operations. A metric for the economic efficiency of the industries is derived to analyse which industry sectors have the most environmental impact per unit of shareholder wealth created.

2. Literature Review

Several studies have been conducted to assess the consumption of natural resources, generation of waste, and emission of greenhouse gasses by industry. However, there has yet to be a study to analyse these factors together for the industries in India.

Obaideen et al., 2022, examine the role of wastewater treatment in achieving sustainable development goals. They find that wastewater treatment could contribute to achieving 11 out of 17 SDGs, mainly by increasing water availability.

Mamun et al., 2022, studied the energy and groundwater consumption in 2019 for 15 textile dyeing mills in Bangladesh and concluded that an annual reduction of 5% in the consumption of groundwater and energy could save an equivalent of 4167 tons of CO₂ emissions.

Lamb et al., 2021, analyse the GHG emissions trends by sector from 1990 to 2018, highlight the major sources of change in emissions across ten regions around the world, and find that there has been a limited reduction of GHF emissions.

Öncel et al., 2017, present the results of the waste generation in the plastic product manufacturing industry in Turkey based on the project Hazardous Waste Management in Compliance with European Union Environmental Regulations.

Li et al., 2021, studied the coal power industry in China, which has the largest water consumption in China from 2016 to 2020. They find that the potential to reduce water consumption from the self-improvement methods of the coal industry is equivalent to that from switching to non-coal-based power generation.

2.1 Sustainability Reporting in India: BRSR Report

The Securities and Exchange Board of India (SEBI) mandated the filing of the Business Responsibility Report (BRR)¹ by the Top 100 companies from December 2012. The mandate was extended to the top 500 companies in FY 2015-16 and 1000 companies in 2019.

The National Guidelines on Responsible Business Conduct (NGRBC)² were released. To align the BRR with the NGRBC, SEBI issued guidelines and templates for BRSR reporting in May 2021, which are now mandatory. Top 1000 listed companies from FY 2022-23. The BRSR framework aligns with internationally recognised sustainability reporting frameworks like the Global Reporting Initiative (GRI) and the United Nations Global Compact (UNGC).

2.2 Structure of BRSR Report

The BRSR report³ consists of three sections:

- General Disclosures require information on business operations, nature of business, contact details, subsidiaries, listing information, and details related to products and employees
- Management and process Disclosures requiring submission of details like the policies, procedures, and processes in place to comply with NGBRCs
- Principle Wise Performance Disclosure requires the companies to report the Key Performance Indicators, KPIs aligned to the nine principles of NGBRC with mandatory and optional indicators. The indicators are both quantitative and qualitative in nature. Of the 140 queries, 98 are essential, and 42 are optional leadership indicators.

3. Method

The study analyses the BRSR reports of the Top 100 companies, by market capitalisation, listed on the Bombay Stock Exchange (BSE)⁴ as of 25th June 2023. The BRSR reports are sourced from the BSE portal and companies' websites. The study period is for the financial year 2022-23 (filings up to September 1, 2023), after the introduction of BRSR reporting in May 2021.

BRSR guidelines require companies to file the reports in XBRL and pdf format. For this study, only those companies that filed reports in both XBRL and PDF formats have been considered. This is done to allow for



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differences in units of reporting which are not mentioned in XBRL format but are given in the pdf formats. The total number of companies that meet these criteria, out of the top 100 companies, is 72, and those have been analysed in this study.

The BRSR filings have been analysed for data required under Principle 6: “Businesses should respect and make efforts to protect and restore the environment.” This principle measures the key resources the companies consume, like water and electricity. Further, it reports the industry’s generation of greenhouse gasses and waste.

The data is sourced from BRSR reports. The XBRL reports have been converted to Excel using the tool⁶ available through the National Stock Exchange portal for analysis.

The units of reporting have been converted to a common unit:

- Different companies have reported electricity and fuel consumption in Giga, Mega, Peta, and Tera joules. Some have reported this number in units (kWh) of electricity. All the data has been normalised to Gigajoules.
- Water consumption has been reported in kilolitres.
- Hazardous gas emissions have been reported in varying units, including kilograms, tonnes, mg/m³, etc. All the data has been converted into tonnes and tonnes-equivalent-to-CO₂ (Carbon dioxide).
- Waste generated has been calculated in tonnes.

After aligning all data to a common reporting unit, the reported absolute numbers have been normalised to the shareholder value by dividing them by the market capitalisation in Rs. Crores.

The data generated, which is in common units and normalised to the shareholder value being created by the company, is used for this study. For the analysis of industry sectors, the companies were grouped into sectors, and the performance of each sector was analysed.

4. Results and Discussion

A total of 95 companies have filed the BRSR report for 2022-2023 till September 1, 2023. Although the filings should be in both PDF and XBRL format, some companies have used only one format for reporting. The details are shown in Figure 1.

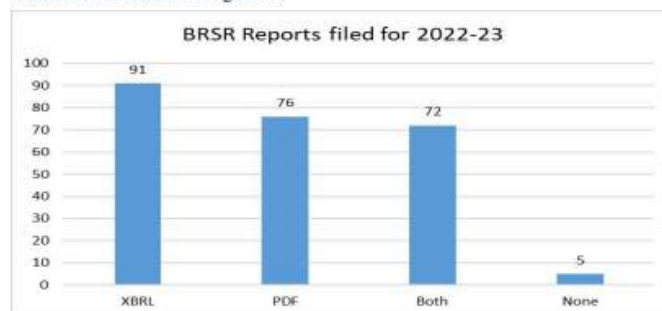


Figure 1. BRSR Filing: Financial Year 2022-2023

The companies have been classified into different industry sectors, as shown in Figure 2.



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20. Manisha Sinha - ESG INVESTING: EVOLUTION AND CHALLENGES

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भारतीय शिक्षा शोध संस्थान

सरस्वती कुंज, निराला नगर, लखनऊ-226020 (उत्तर प्रदेश)
Bharatiya Shiksha Shodh Sansthan
Saraswati Kunj, Nirala Nagar, Lucknow-226020 (Uttar Pradesh)
Ph. No. 0522-2787816, E-mail: sansthanshodh@gmail.com
Website : www.bssslko.org.in



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Sir Ganga Ram Hospital Marg, New Delhi-110060

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ESG INVESTING: EVOLUTION AND CHALLENGES

*Prof. Manisha Sinha

Janki Devi Memorial College, University of Delhi

Introduction

ESG Investing is consideration of Environmental, Social and Governance (ESG) performance of a company, in addition to the financial factors, to decide on potential investments. Environmental factors like control of emissions, alignment to climate change policies, waste and effluent management and Social factors like management of relationships with human stakeholders like employees and communities along with the Governance factors like compliances, audits and shareholders rights, play an important role in ESG investments decision making.

The member states of the United Nations adopted 17 Sustainable Development Goals (SDGs) in 2015. The 17 SDGs have 169 specific targets and 232 measurement indicators. The SDGs set the goals for all stakeholders in the society including Governments, Regulators and also the investors. An estimate by The United Nations Conference on Trade and Development (UNCTAD) estimates that USD 5 to 7 trillion of funds will be needed from the private sector to meet the SDGs by 2030. This means that not only new investment is required but also the existing investment has to be redirected to entities that are in alignment with the SDGs. (Betti et al., 2018) map the SDGs to the ESG targets by the Sustainability Accounting Standards Board (SASB) and analyse the relationship between them. Sustainometric⁴ has mapped the different ESG factors and their relevance to SDGs (Fig 1)



Figure 1 ESG Factors mapped to SDGs. Source Sustainometric

The Paris Climate Agreement signed in 2015, came into force in Nov 2016. It is a legally binding international agreement signed by 196 parties who have agreed to limit the rise in global average temperature to 2 deg Celsius. This entails reduction in emission of greenhouse gasses and achieving Net Zero Carbon emissions. Hence companies are looking into strategies to cut their carbon emissions and investors are looking to invest in companies that are aligned to the goal of Paris agreement.

ESG Investing: Evolution: Socially Responsible investing (SRI) gained popularity in 1980s and 1990s in America. The origins of SRI, however, are over two hundred years old. SRI is a well-known concept in Muslim Sharia and Islamic finance, which avoids financing prohibited products and lending money at interest. The early Methodists in North America avoided investing in "sin-stocks" like liquor, gambling and arms.



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21. Manisha Sinha - MULTINATIONAL ENTERPRISES: SUSTAINABILITY REPORTING IN INDIA

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MULTINATIONAL ENTERPRISES: SUSTAINABILITY REPORTING IN INDIA

Dr. Manisha Sinha
Professor, Commerce Department
Janki Devi Memorial College, University of Delhi

Introduction

The call for stricter global regulations on nonfinancial disclosures has grown in response to the increasing environmental, social, and governance challenges worldwide. In March 2022, the US Securities and Exchange Commission (SEC) put forth a new rule to standardize and enhance ESG disclosure for listed companies. While the requirement for disclosing greenhouse gas emissions will become obligatory from 2024, all other criteria will be enforced from 2023. The SEC's proposal on March 21, 2022, also included a mandate for public companies to provide extensive climate-related information in their SEC filings.

In 2018ⁱ, the European Commission launched the European Union Sustainable Finance Action Plan, and in 2022ⁱⁱ, it followed up with the introduction of the Sustainable Finance Disclosure Regulation (SFDR). The SFDR established reporting standards for sustainability risks at both the entity and product levels.

Multinational Corporations (MNCs) have the potential to advance the realization of global ESG (Environmental, Social, and Governance) objectives due to their extensive reach and operations, financial resources, capacity to access capital and assets, dissemination of advanced technologies, provision of goods and services to distant areas, dissemination of expertise, and the adoption of superior operational methods that may not typically be accessible to other entities.

Business Responsibility and Sustainability Reporting (BRSR) was implemented in India in 2021 and became obligatory for the Top 1000 listed companies from 2022-23. This study assesses the accuracy and comprehensiveness of BRSR reports submitted by multinational companies operating in India during the financial year 2022-23. The analysis can offer significant insights for both regulators and companies, aiding them in enhancing the quality of regulatory filings for sustainability reports and refining the report structure to achieve clearer and more transparent communication with all stakeholders.

Literature Review

(Perego & Kolk, 2012) conducted a study over a decade, examining a selection of Fortune Global 250 firms. They aimed to investigate how multinational corporations (MNCs) implement assurance practices to establish and maintain organizational accountability for sustainability. Their findings indicate that some MNCs portray a disconnected or symbolic perception of accountability through assurance, potentially diminishing the credibility of these verification processes.

In the study by (Morea et al., 2021), the CSR reports of eight MNCs were analyzed to assess their approach towards the traditional dimensions of CSR (environmental, social, and economic) and whether Circular Economy was integrated into their corporate strategies. The research revealed that MNCs do take into consideration circularity in their CSR reporting.

(Kolk, 2010) presents an examination of the progress and trajectories of sustainability reporting among a panel of Fortune Global 250 firms. The study also delves into the reporting patterns of MNCs within their sector-specific contexts.



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(Comyns, 2018) developed a theoretical framework to provide insight into Green House Gas (GHG) emissions reporting by MNCs. The study anticipates that Global MNCs are more likely to have higher-quality GHG emissions reporting compared to multi-domestic or transnational MNCs.

(Jayakumar, 2013) explores whether there are distinctions in Corporate Social Responsibility (CSR) communication issues between emerging economies and Western developed economies. The study scrutinizes an Indian MNC subsidiary and an Indian trans-national, revealing that both companies have a history of practicing CSR, but do not adhere to international reporting standards.

(Tewari & Dave, 2012) conducted an analysis of sustainability reports from the top 100 companies, including Indian companies and MNCs, operating in the Information and Technology sector in India. Their findings indicate that Indian companies tend to produce higher-quality reports compared to MNCs operating in India.

Sustainability Reporting in India

Sustainability reporting in India commenced with the introduction of the 'Voluntary Guidelines on Corporate Social Responsibility'ⁱⁱⁱ by the Ministry of Corporate Affairs in 2009. Subsequently, in July 2011, the 'National Voluntary Guidelines on Social, Environmental and Economic Responsibilities of Business' (NVGs)^{iv} were introduced. In December 2012, the Securities and Exchange Board of India (SEBI) made it compulsory for the top 100 companies to file the Business Responsibility Report (BRR)^v. This requirement was extended to the top 500 companies in the fiscal year 2015-16 and further expanded to include the top 1000 companies in 2019. The National Guidelines on Responsible Business Conduct (NGRBC)^{vi} were unveiled in 2019 as an updated version of the NVGs.

To harmonize the Business Responsibility Report (BRR)^{vii} with the National Guidelines on Responsible Business Conduct (NGRBC), SEBI issued guidelines and a template for sustainability reporting through Business Responsibility and Sustainability Reporting (BRSR) in May 2021. Compliance with BRSR is now obligatory for the top 1000 listed companies starting from the fiscal year 2022-23.

Structure of BRSR report

The BRSR report^{viii} consists of three sections

- **General Disclosures:** This section requests general information pertaining to the company's business operations, the nature of its business, contact details, subsidiary details, listing information, and specifics regarding its products and employees.
- **Management & Process Disclosures:** Within this section, companies are required to furnish details concerning their compliance with NGRBCs. This encompasses policies, procedures, and processes related to management and operations.
- **Principle-Based Performance Disclosure:** In this segment, companies provide information on Key Performance Indicators (KPIs) aligned with the nine principles of NGRBC. This section includes both Essential and Optional leadership indicators for each principle. These indicators encompass both quantitative and qualitative aspects. Out of a total of 140 questions, 98 are deemed essential, and 42 pertain to leadership indicators

Methodology:

The study examines the BRSR reports of companies listed in the Nifty MNC index^{ix}, consisting of 30 companies as of July 1, 2023, to assess their accuracy and comprehensiveness. These reports



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from the 30 MNCs are obtained from the BSE portal and the companies' official websites. The study period covers the financial year 2022-23, including filings up until September 1, 2023, following the implementation of BRSR reporting in May 2021.

The analysis focuses on the data required under Principle 2: "Businesses should provide goods and services in a manner that is sustainable and safe." This principle underscores the importance of adopting production methods that are both sustainable and safe. Companies are encouraged to strive for a reduced environmental impact in their operations and to ensure the safety of their products for consumers and the environment alike. Key performance indicators include investments made to enhance environmental and social outcomes, specific details about reclamation, reuse, recycling, and disposal protocols, as well as information about strategies for extended producer responsibility and assessments of the product's life cycle

Both mandatory Indicators and optional Leadership Indicators have been considered for analysis.

Following Essential Indicators have been taken for the analysis.

1. Percentage of R&D and capital expenditure (capex) investments in specific technologies to improve the environmental and social impacts of product and processes
2. Procedures in place for sustainable sourcing. What percentage of inputs were sourced sustainably?
3. Processes in place to safely reclaim products for reusing, recycling and disposing at the end of life
4. Whether Extended Producer Responsibility (EPR) is applicable to the entity's activities?

Out of the 30 companies in the index, only 23 have filed BRSR reports for financial year 2022-23, till 1 Sep 2023. The BRSR filings have been analyzed for completeness of data required under Principle 2 for the 23 filings.

XBRL reports of the companies, a mandatory requirement, have been converted to Excel using online tools. The resultant Excel files have been tabulated according to the queries and analyzed using statistical tools.

The results have been presented using tables, charts and graphs.

Data Analysis

The BRSR reports filed for FY 2022-23 are analyzed for 23 companies for the following parameters which are part of Principle 2 of BRSR. All 23 companies have filed the BRSR report in pdf format. Though filing in both pdf and XBRL format is mandatory, one company has filed the BRSR report only in pdf format (Figure 1)

1. *Percentage of R&D and capital expenditure (capex) investments in specific technologies to improve the environmental and social impacts of product and processes*

Figure 1 BRSR Filings for Top 30 MNC Companies



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22. Manisha Sinha - SECTORAL ANALYSIS OF PRINCIPLE 2 OF BRSR FILINGS

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SECTORAL ANALYSIS OF PRINCIPLE 2 OF BRSR FILINGS

Dr. Manisha Sinha*
Dr. Gurminder Kaur Arora**

ABSTRACT

The landscape of global sustainable reporting is experiencing rapid transformation. In light of the increasing challenges related to environmental, social, and governance aspects worldwide, Indian business leaders have acknowledged the significance of aligning their corporate purpose with the broader concerns of key stakeholders, transcending mere wealth creation. This shift is propelled by shifts in consumer behavior, preferences, and the growing demand from investors for stricter regulations regarding nonfinancial disclosures on a global scale. This research investigates the accuracy and comprehensiveness of sustainability reports, as initially recommended, and later mandated by SEBI, submitted by Indian companies in the financial year 2022-23. The analysis encompasses 91 out of the 95 top 100 companies based on market capitalization that filed BRSR reports in XBRL format until September 1, 2023. The companies are categorized into various industry sectors, and their reports are compared and analyzed. The evaluation of BRSR filings focuses on completeness and data under Principle 2: "Businesses should provide goods and services in a manner that is sustainable and safe." Sectors like Auto, Engineering and IT have reported R&D and CAPEX spending which have environmental and social impact in detail. Companies under Auto, Cement, Infrastructure and FMCG sectors have reported high percentages of sustainable sourcing. Most of the companies have processes in place to reclaim products for reusing, recycling and disposing at the end of life. The study concludes that there is a need for enhancement in the quality of the filings. While companies have provided detailed responses to qualitative questions, the data is either insufficient or not presented in the correct format when it comes to quantitative queries. This analysis can serve as a valuable reference for both regulators and companies, offering insights to improve regulatory filings for sustainability reports and refine the report structure for more effective and transparent communication with all stakeholders.

Keywords: Sustainable Reporting, BRSR, Sectoral Analysis, Principle 2.

Introduction

There is a growing global demand from investors for more rigorous regulations regarding non-financial disclosures. The primary goal of a sustainability report is to enhance transparency about a company's efforts in promoting sustainable practices. These reports serve as a tool for accountability to various stakeholders, including investors, employees, regulatory authorities, suppliers, civil society, and customers. Sustainability reporting involves the disclosure and communication of a company's environmental, social, and governance (ESG) objectives, along with the processes it employs to achieve them.

Internationally, several ESG reporting frameworks, such as the Global Reporting Initiative (GRI)¹, Carbon Disclosure Project (CDP)², Sustainability Accounting Standards Board (SASB)³, and the Taskforce on Climate-related Financial Disclosures (TCFD)⁴, have been established. These frameworks require companies to report on their sustainability performance, underlying principles, processes, and key performance indicators. The International Sustainability Standards Board (ISSB) has issued a global baseline for sustainability reporting in 2023 as IFRS S1 (General Requirements for Disclosure of Sustainability-related Financial Information) and IFRS S2 (Climate-related Disclosures)⁵.

* Professor, Janki Devi Memorial College, University of Delhi, Delhi, India.

** Associate Professor, Sri Guru Gobind Singh College of Commerce, University of Delhi, Delhi, India.



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In response to the increasing global challenges related to environmental, social, and governance issues, Indian business leaders have acknowledged the importance of aligning their corporate objectives with the broader concerns of their key stakeholders through sustainable reporting. India's regulatory framework for mandatory sustainability reporting began with the Business Responsibility Reporting (BRR) guidelines formulated in 2009 and made mandatory from 2012. This framework evolved further, leading to the implementation of BRSR reporting in 2021, which was mandated for the top 1,000 listed companies starting from the 2022-23 financial year.

This study assesses the accuracy and comprehensiveness of BRSR reports submitted by Indian companies during the 2021-22 and 2022-23 financial years. The evaluation focuses on the completeness and quality of data under "Principle 2: Businesses should provide goods and services in a manner that is sustainable and safe." This principle underscores the importance of adopting sustainable and safe production methods. The study also tracks the evolution of reporting over the two years, highlighting the improvements as the sustainability reporting ecosystem matures.

This analysis could be a valuable resource for both regulators and companies, aiding in the enhancement of sustainability report filings' quality and refining report structures for improved and transparent communication with all stakeholders.

Literature Review

Aupperle et al.^{vi} (1985) finds that there is an inverse relationship between ethical and economic factors. The firms that are more economically oriented place less emphasis on ethical, legal and discretionary issues.

(Eccles et al., 2014) used a sample of 180 U.S. companies and found that companies with high sustainability outperform similar companies for stock market and accounting performance over the long term, in a significant manner.

(Aggarwal & Singh, 2019) study annual and business responsibility reports of 60 top listed Indian companies in 2019 and find that reporting quality is significantly lower than the quantity. They do not find conclusive relationship between sustainable reporting and profitability.

Abela (2022)^{vii} scrutinizes ongoing efforts to mainstream and standardize sustainability reporting, assessing the implications of these changes. The study concludes that for mandatory sustainability reporting to effectively encourage companies to adopt sustainable business models, it must accurately reflect the specific context of each company and provide both transactional and relational information.

Abeysekera (2022)^{viii} bases the reporting framework on the United Nations Sustainable Development Goals (UN SDGs) and their associated targets. The study observes that sustainability reporting frameworks increasingly incorporate UN SDGs, yet they tend to emphasize performance for the purpose of facilitating comparisons between firms.

Friske et al. (2023)^{ix} investigate the connection between voluntary sustainability reporting and value of the firm. They find that while sustainability reporting may entail initial costs, it ultimately enhances the overall value of the firm. This is due to companies gaining expertise in effectively communicating their initiatives in sustainability to different stakeholders, and also investors developing expertise at evaluating these reports.

Imperiale et al. (2023)^x delves into the relationship between the quality of sustainability reporting and ESG performance within the utilities sector.

Afolabi et al. (2022)^{xi} explore various sustainability reporting frameworks and conclude that there is still a considerable gap in the harmonization of sustainability reporting regulation

(Roszkowska-Menkes et al., 2024) study a sample of 333 negative events derived from MSCI's ESG Controversies database. They find that that 69 % of negative events were reported selectively. They find that there is a higher chance of selective disclosures in human and labor rights, supply chain and community.

Sustainability Reporting in India

Sustainability reporting in India began with the "Voluntary Guidelines on Corporate Social Responsibility"^{xii} issued by the Ministry of Corporate Affairs in 2009. These guidelines were succeeded by the "National Voluntary Guidelines on Social, Environmental and Economic Responsibilities of Business"^{xiii} (NVGs)^{xiii} in July 2011. In December 2012, the Securities and Exchange Board of India (SEBI) made it mandatory for the top 100 companies to file the Business Responsibility Report (BRR)^{xiv}. This requirement was later extended to the top 500 companies in FY 2015-16 and to the top 1,000 companies



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in 2019. In 2019, the National Guidelines on Responsible Business Conduct (NGRBC)^{xvi} were introduced, serving as a revised version of the NVGs.

To ensure alignment of the BRR with the NGRBC, SEBI released guidelines and a template for Business Responsibility and Sustainability Reporting (BRSR) in May 2021. This reporting framework has become mandatory for the top 1,000 listed companies starting from FY 2022-23. The BRSR framework operates on the "comply or explain" principle and covers various sustainability aspects, including governance, environment, social responsibility, customer relations, and supply chain management. It is designed to align with globally recognized sustainability reporting frameworks like the Global Reporting Initiative (GRI) and the United Nations Global Compact (UNGC). The overarching goal is to enhance the quality of sustainability reporting by listed companies in India, thereby supporting the country's efforts in combating climate change and positioning it as a leader in establishing rigorous regulatory standards and policies for responsible and sustainable business practices.

• **Structure of BRSR Report**

The BRSR report^{xvii} consists of three sections

▪ **General Disclosures**

This section seeks information about the business operations of the company including nature of business, company contact details, information on subsidiaries, company listing information and details related to products and employees.

▪ **Management & Process Disclosures**

Compliance to NGBRCs along with the policies, procedures and processes are required to be submitted in this section.

▪ **Principle Wise Performance Disclosure**

The Key Performance Indicators, KPIs, aligned to the nine principles of NGBRC are reported in this part. Each principle is further divided into Essential Indicators and Optional Leadership Indicators which are both quantitative and qualitative in nature. Total of 140 questions are asked in this section and of them 98 are essential Indicators and 42 are leadership indicators.

Methodology

The study examines the BRSR reports of the top 100 companies, by market capitalization, listed on the Bombay Stock Exchange (BSE) as of June 25, 2023. These BRSR reports are sourced from the BSE portal and the respective companies' websites. The analysis covers the financial year 2022-23 (with filings up to September 1, 2023), following the introduction of BRSR reporting in May 2021.

The companies have submitted their reports in both XBRL and PDF formats as required by SEBI. Although both formats are reviewed for this report, preference is given to the XBRL format in cases where data conflicts arise between the two. The XBRL reports are converted to Excel using a tool available through the National Stock Exchange portal for analysis.

The BRSR filings are assessed for data related to "Principle 2: Businesses should provide goods and services in a manner that is sustainable and safe". Principle 2 focusses on using safe and sustainable production methods. Companies report how they minimize the environmental impact of their operations and at the same time ensuring that their products are safe for both consumers and the environment. Key performance indicators include R&D and CAPEX investments in improving environmental and social outcomes, details on reclaiming, reuse, recycling, and disposal practices, as well as information on extended producer responsibility strategies and product life cycle assessments.

The Optional Leadership Indicators have not been taken in the analysis as very few companies have submitted this data.

Following Essential Indicators have been taken for the analysis from BRSR Report Principle 2^{xviii}.

- "Percentage of R&D and capital expenditure (capex) investments in specific technologies to improve the environmental and social impacts of product and processes"
- "Procedures in place for sustainable sourcing. What percentage of inputs were sourced sustainably?"
- "Processes in place to safely reclaim products for reusing, recycling and disposing at the end of life"
- "Whether Extended Producer Responsibility (EPR) is applicable to the entity's activities"



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Cryptocurrency Market Contagion: Market Uncertainty, Complexity, And Dynamic Portfolios

Manisha¹, Sanatan Tiwari², Alka³, Ritu Sapra⁴, Samrat Ray⁵

¹Department of commerce, Delhi School of Economics, University of Delhi <https://orcid.org/0000-0002-5012-7857>

²Assistant Professor, Janki Devi memorial college, university of Delhi, India. <https://orcid.org/0000-0003-3760-1670>

³Assistant Professor, Janki Devi memorial college, university of Delhi, India.

<https://orcid.org/0009-0008-1098-4177>

⁴Professor, Department of Commerce, Delhi School of Economics, University of Delhi, India <https://orcid.org/0000-0002-7720-1471>

⁵Dean and Head of International Relations, IIMS, Pune
s.ray@iimspune.edu.in



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Abstract

Bitcoin is the most recognized and well-known cryptocurrency and there is a durable influence of market vagueness, complication, and dynamic portfolios on the cryptocurrency market contagion. Comprehensive discussion about the market uncertainty, complexity, and dynamic portfolios in the context of cryptocurrency market contagion. Moreover, it has been detected that these factors have a huge influence on the cryptocurrency market. In this study, investigators can gather data with the assistance of the primary data assortment procedure. Therefore, this data assortment technique examines the composed data statistically. Moreover, the analytical SPSS software tool supports the investigators to examine the composed info numerically. Constructed on the analytical SPSS software tool, investigators can investigate the statistical data. Therefore, “descriptive statistics, “ANOVA”, “model summary”, and regression” examinations are emphasized in this segment. The “Correlation” assessment is also highlighted to recognize the association among variables. It has been renowned that high volatility, market fluctuations, complexities, uncertainty, and dynamic portfolios have a durable impact on the cryptocurrency markets. The



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25. Shilpa Maggo - ASSESSING THE TREND OF INTEGRATED REPORTING RESEARCH IN INDIA & ABROAD: A REVIEW OF LITERATURE

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ASSESSING THE TREND OF INTEGRATED REPORTING RESEARCH IN INDIA AND ABROAD: A REVIEW OF LITERATURE

Ms. Shilpa Maggo Assistant professor, Department of Commerce, Janki Devi Memorial College, University of Delhi

Dr Shikha Mittal Shrivastav Associate Professor, School of Management, Bennett University (Time of India Group), Greater Noida

ABSTRACT:

For the stakeholders to determine the company's growth over the years, its profitability, soundness etc. company's reports are one of the main documents to be analysed. But with the change in the perspective of stakeholder's overtime, they seek both financial & non financial information for making informed decision. Thus, for ensuring quality disclosure from companies, IIRC in 2013 developed International Integrated Reporting Framework. In order to determine the efficacy of integrated reporting, the area requires extensive research. This study reviews the existing literature on integrated reporting's relevance and its impact on various parameters. It is reported that value relevance of integrated reporting is higher in case of South Africa (mandatory setting) as compared to other economies where IR is a voluntary practice. Majorly studies reported positive association between Tobin's q and integrated reporting in the context of South Africa but it showed mixed impact in the context of other countries.

Keywords:

Integrated Reporting, IIRC, India, South Africa, Voluntary

1. INTRODUCTION

The analysis of a company's performance depend majorly upon the information published by it, thus reports play an important role in making informed decisions by the various stakeholders. To ensure the effective utilization of their funds as well as the safety of returns, various fund providers go through the reports published by the companies to get a deep look inside, but the issue remains that mostly annual reports have been able to provide the financial information only. With the rising awareness amongst stakeholders and increasing socially responsible investing by them, they want to consider non-financial information as well (Grant Thornton Report 2020). But studying various reports published by companies remains a tedious task for investors. Thus with the rising demand for quality disclosure from companies, International Integrated Reporting Framework was developed by IIRC (International Integrated Reporting Council) in 2013.

"An integrated report is a concise communication about how an organization's strategy, governance, performance and prospects, in the context of its external environment, lead to the creation of value over the short, medium and long term" (<IR> Framework 2013). It is only in South Africa whereby it is mandatory to follow Integrated Reporting for companies whereas the rest of the economies kept integrated reporting voluntary for their companies. In India also, it's a voluntary practice for companies to follow Integrated Reporting. But in 2017, SEBI issued a circular which suggested Top 500 companies consider applying the <IR> Framework for the purpose of annual reporting. Since then the number of companies reporting as per <IR> Framework has risen. Mishra (2019) also stresses the need for integrated reporting in India as the only measure to reduce the number of standalone reports.



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Table 1: Comparison between Traditional reporting & Integrated Reporting

	Financial reports	Sustainability reports	Integrated reports
Information	Financial statements and accounts	Primarily non-financial information	Financial and non-financial information with a focus on ESG factors covered through six capitals
Focus	Backward looking and present-day financials	Backward looking – Impact of existing CSR projects	Focus on past, present and future-linked (short, medium and long-term) strategies
Framework	Reporting needs to be done in compliance with regulations and standards	Reporting as per GRI guidelines to measure and disclose sustainability data	Reporting follows an international framework provided by the IIRC
Users	Users are typically shareholders and investors	This is primarily used by a company's board. Also, shared with public and local communities	Appeals to a wider audience: shareholders, investors, employees, customers, local communities and government. An important source of information on how corporates are contributing to communities and sensibly utilizing resources. Can be a great insight for governments to enable collective goals

Source: Grant Thornton Report on Integrated Reporting In India 2020

The <IR> framework comprises of fundamental concepts including forms of capital, guiding principles and content elements. “An integrated report aims to provide insight about the resources and relationships used and affected by an organization – these are collectively referred to as “the capitals” in this Framework” (<IR> Framework 2013).

CAPITAL: The <IR> Framework suggests six forms of capital for the companies to consider while assessing the value creation through them but the companies are allowed to adopt any other categorization of capital also. The 6 forms of capital suggested by <IR> Framework are Financial Capital, Manufactured Capital, Human Capital, Intellectual Capital, Social & Relationship Capital and Natural Capital.

GUIDING PRINCIPLES: The <IR> Framework has seven Guiding Principles as a guide for the preparation of an integrated report. The guiding principles are Strategic focus and future orientation, Connectivity of information, Reliability & completeness, Consistency & comparability, Stakeholder relationships, Materiality and Conciseness.

CONTENT ELEMENTS: The <IR> Framework provides eight content elements that are expected to be incorporated in the integrated report. The content elements mentioned in the <IR> Framework are Organizational overview and external environment, Governance, Business model, Risks and opportunities, Strategy and resource allocation, Performance, Outlook and Basis of preparation and presentation.

<IR> framework 2013 provides that companies need not issue any separate reports with the title of integrated reports. The framework can be followed by companies while framing their annual or sustainability reports. In January 2021, a revised International <IR> Framework was published which has replaced the original 2013 Framework to ensure effective reporting. The purpose was to issue more clarified guidance and concepts to ensure vigorous implementation of the framework across the globe.

Integrated Reporting in India

In the last decade, India has been trying to enhance its reporting and governance mechanism. Companies Act 2013, corporate governance rules and requirements are a few of the steps taken by the government in this direction. Implementing integrated reporting could help in the achievement of the same objective by trimming down the information overload due to so many reports issued by the companies. Since 2013 like most of the other countries, India has also kept <IR> Framework voluntary for the companies but in 2017, SEBI came out with a circular recommending Top 500 listed companies



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SUSTAINABILITY REPORTING IN INDIA: A REVIEW OF LITERATURE

Sushma Maurya*
Dr. Rajinder Singh**

ABSTRACT

The term 'Sustainable development' was initially made popular in a report by United Nations named "Our Common Future" (WCED, 1987). There has been a growing concern for sustainable development worldwide since then. Business firms are under pressure from different stakeholders to consider sustainability into their core business strategy by incorporating social and environmental concerns apart from financial parameters. This review paper seeks to provide an overview of research conducted in India on Sustainability Reporting (SR) while examining other related concepts such as corporate social responsibility and corporate sustainability. The study seeks to establish a theoretical framework for SR in the form of various theories through review of literature. It also tries to critically analyse past researches relating to sustainability reporting in India through review of extant literature to identify gaps and lay down future research directions in this area. The present study has been based on secondary data. This study is an addition to the existing body of literature on SR as it sheds light on the evolution and status of research on SR exclusively in Indian context and concludes that it is in evolutionary stage.

KEYWORDS: Sustainability Reporting, Corporate Sustainability, Corporate Social Reporting.

Introduction

The term 'Sustainable development' was initially made popular in 1987 by United Nations in a report named "Our Common Future" by World Commission on Environment and Development (WCED) which defined it as "development that meets the needs of the present without compromising the ability of future generations to meet their own needs". There has been a growing concern for sustainable development worldwide since then. Business firms are under pressure from different stakeholders to consider sustainability into their core business strategy by incorporating social and environmental concerns apart from financial parameters.

It is now realised that although corporate decision making depends on financial information to a great extent but only financial information cannot give a true and complete picture about the organisation's capability to deal with the environment in which it operates. Nowadays, the survival and growth of an organisation is not only dependent on its economic performance but also on its concern about social and environmental issues such as contribution towards society, reduction in carbon footprint, using resources efficiently and maintaining employee and customer satisfaction (INTOSAI Working Group on Environmental Auditing (WGEA), 2013).

KPMG (2020) in its global survey in 52 countries highlighted the importance of sustainability and ESG reporting as a key component of corporate reporting. 98 percent of sampled companies in India whereas 80 percent of companies worldwide were found to be reporting on sustainability (KPMG, 2020). It was found that North America has been the leader since 2017 with highest regional reporting rate of 90 %, whereas, in Asia Pacific there has been a growth of 6 percent since 2017 to reach 84 percent.

KPMG (2020) found Global Reporting Initiative (GRI) to be most followed reporting standard or framework. Around 67 percent of N100 reporters and around 75 percent of G250 reporters use GRI

* Associate Professor, Department of Commerce, Janki Devi Memorial College, University of Delhi, India.
** Associate Professor Department of Commerce, Shivaji College, University of Delhi, India.



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Evaluation of Sustainability Reporting Practices in Indian Banks – A Content Analysis Approach

Sushma Maurya^{1,2*} and Rajinder Singh¹

¹Associate Professor, Department of Commerce, Janki Devi Memorial College, University of Delhi,
New Delhi – 110060, Delhi, India; sushma@jdm.du.ac.in

²Ph.D. Research Scholar, Department of Commerce, Delhi School of Economics, University of Delhi,
New Delhi – 110007, Delhi, India

¹Associate Professor, Department of Commerce, Shivaji College, University of Delhi, New Delhi – 110027, Delhi,
India; rajindersingh.du@rediffmail.com

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Abstract

In present times to achieve sustainable development, business organisations are required to disclose their socio-environmental contribution along with their financial results and to incorporate sustainability into their business practices. This paper with the help of content analysis seeks to analyse the sustainability disclosures of selected Indian banks listed on BSE for the year 2019-20. It further examines any significant difference in the sustainability disclosure of selected banks based on their sustainability disclosure according to the Global Reporting Initiatives (GRI) framework, foreign market presence and ownership pattern. As per the results of content analysis, the study finds that Sustainability Reporting (SR) is lowest for the 'Environment' dimension followed by 'Human Rights and Labour Practices' while reporting under the 'Governance' dimension is highest. The 'Social' dimension is also fairly reported by the sample banks. The results of Mann Whitney U test indicate that sustainability disclosure is significantly different among selected banks based on the adoption of the GRI framework for sustainability reporting and no difference in SR is found based on ownership pattern and foreign market presence.

Keywords: Banking Companies, Content Analysis, India, Sustainable Development, Sustainability Reporting
JEL Classification: : G21, M140, Q01

1. Introduction

In present times, the survival of a firm is determined not just by its economic or financial performance but it is also influenced by its performance on issues about 'Social' and 'Environment' dimensions like its work and contribution to society, reduction in carbon emissions and other greenhouse gases (GHGs) or sustainable utilisation of resources, etc. In India, while it has become mandatory for the top 1000 listed entities to report their socio-environment contribution in the form of Business Responsibility and Sustainability Report (BRSR) along with their financial results, it is still voluntary for

non-listed entities. However, all business firms now embed sustainability into their business practices given increasing Environment, Social and Governance (ESG) considerations by the investors and society.

According to Klynveld Peat Marwick Goerdeler (KPMG) India is included among the top ten nations in the world where corporations disclose sustainability-related information in their annual reports. The sustainability report of an organisation discloses its performance on parameters of environmental, social and governance issues and it shows its commitment towards contribution to and betterment of the economy, society, and environment.

*Author for correspondence



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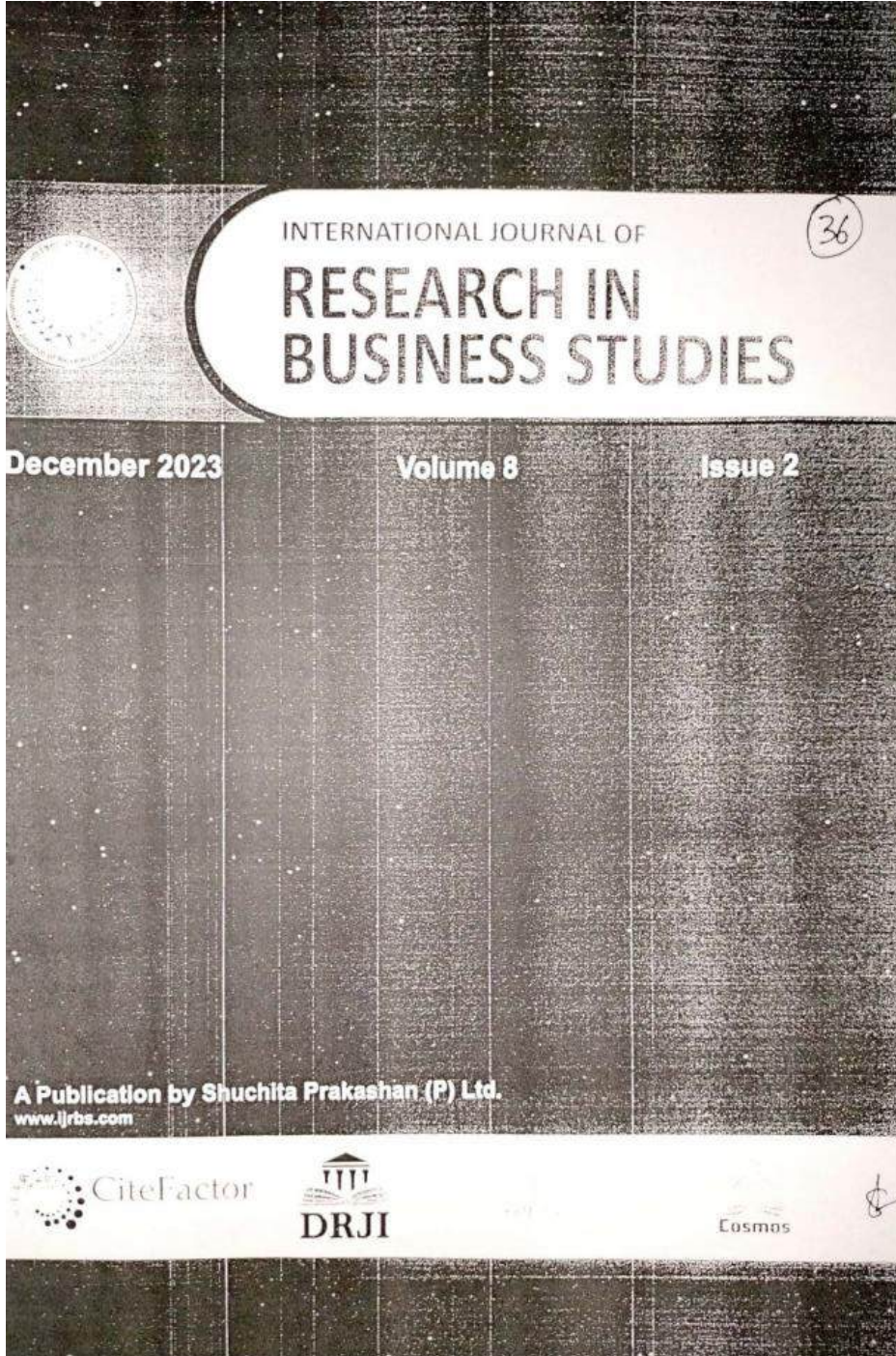
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A Study of the Effect of NPA on the Profitability of the Indian Banking Sector

Madhu Tolla
Assistant Professor
Shaheed Sukhdev College of
Business Studies
University of Delhi
New Delhi, India.

Sushma Maurya
Associate Professor
Janki Devi Memorial College
University of Delhi
New Delhi, India.

**Namrata
Kritika Bhojwani
Manvi**
Students
Shaheed Sukhdev College of
Business Studies
University of Delhi
New Delhi, India.

Abstract

This research paper examines the effect of NPAs on the performance of the Indian banking sector. Non-performing assets refer to loans and advances that have stopped generating interest income or principal repayments for banks. With the rising prominence of NPAs in recent years, understanding their implications for the entire banking sector in India is important.

The study employs a comprehensive research methodology that combines quantitative analysis and qualitative assessment. Firstly, it analyzes the historical trends of NPAs in the banking sector in the Indian economy, investigating the factors contributing to their growth. Secondly, it evaluates the financial performance of banks in relation to the presence of NPAs, examining key indicators such as profitability, liquidity, and capital adequacy.

Furthermore, the research investigates the macroeconomic consequences of NPAs on the Indian economy, including the potential spill over effects on credit availability, investment, and overall economic growth. The study also explores the regulations and legislative framework and the measures implemented by the Central Bank of India (RBI) to mitigate the impact of NPAs.

The findings reveal that NPAs have exerted a significant negative influence on the Indian banking sector. High levels of NPAs have weakened banks' financial positions, reduced profitability, and constrained lending capacity. Moreover, the study highlights the need for effective strategies to tackle NPAs, such as improved risk management practices, stricter loan underwriting standards, and expedited resolution mechanisms.



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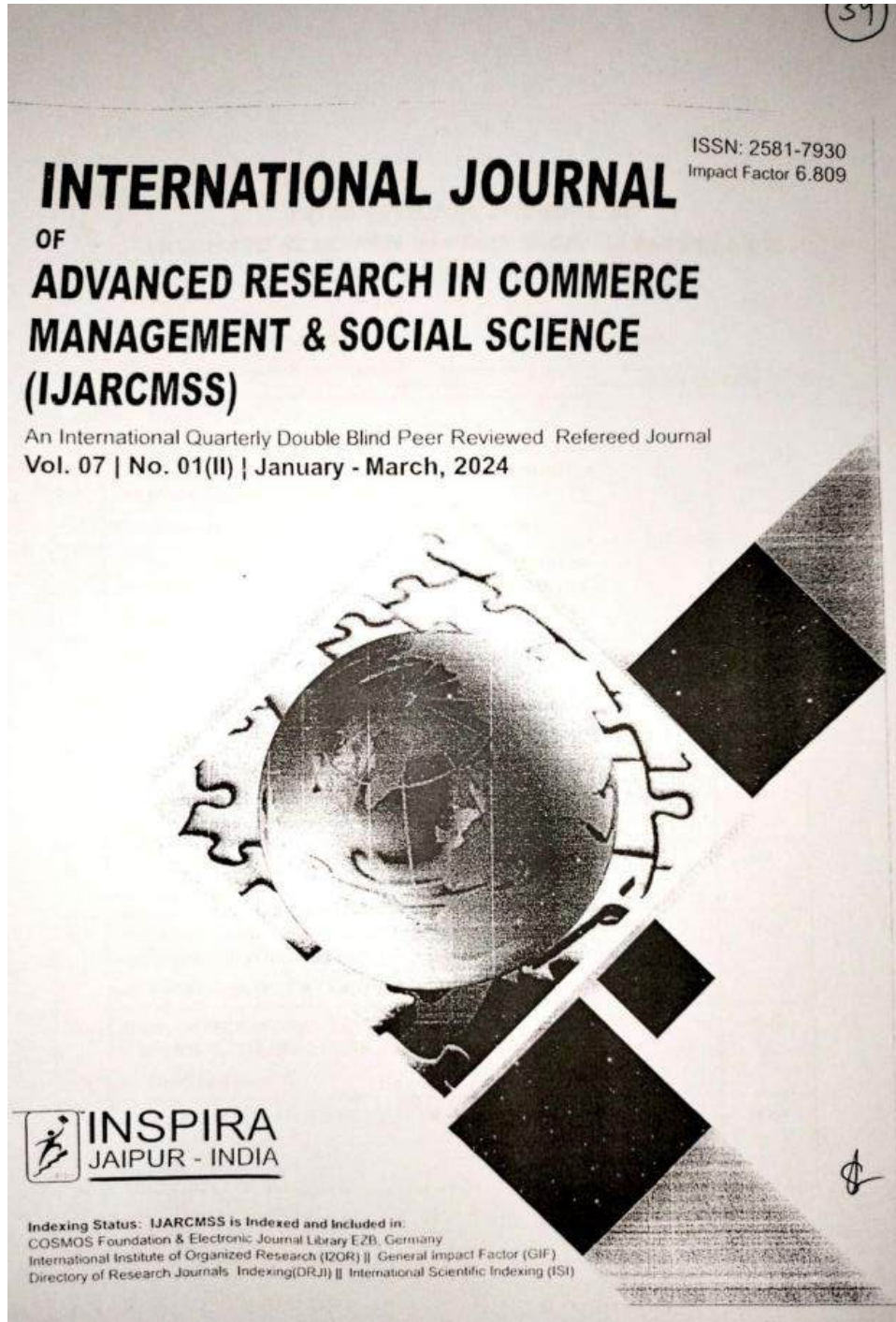
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32. Dr. Sushma Maurya - Factors Influencing Awareness and Consumer Behavior of Green Marketing Products: A Study In Delhi - NCR Region





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FACTORS INFLUENCING AWARENESS AND CONSUMER BEHAVIOR OF GREEN MARKETING PRODUCTS: A STUDY IN DELHI - NCR REGION

Dr. Sushma Maurya*

ABSTRACT

Green marketing, also known as environmental or sustainable marketing, has emerged as a pivotal strategy for businesses in response to growing environmental concerns. This paper delves into the concept and key principles of green marketing and examines the factors influencing awareness of consumers and their purchase behavior of green marketing products in selected areas of Delhi-NCR region. The study has used a survey method through developing a questionnaire and analysed the results through descriptive statistics, percentage analysis and Chi-Square tests. The results from Chi-Square tests and Fisher Exact Tests revealed that there is significant association of gender, age and occupation with the awareness about Green marketing. Also, it is found that willingness to pay high prices for buying Green products varies with gender significantly. A majority of respondents (88%) were found to be aware about Green marketing and more than 91% about Green products. The most popular source of information is social media for 46.8% respondents. More than half of the sample were found to be unwilling to pay high prices for Green products despite being aware of their advantages. So there should be efforts by the marketers to provide Green products at affordable prices.

KEYWORDS: Green Marketing, Sustainable Marketing, Consumer Behavior.

Introduction

The idea of green marketing developed in the last decades of 19th century, credited to Ottman (1993) and Polonsky (1994). Also referred to as sustainable or environmental marketing, it involves promoting products and services for their eco-friendly qualities. This strategy targets consumers who prioritize environmental concerns and sustainability. Its main objective is to encourage businesses to adopt practices that reduce environmental harm while fulfilling consumer needs.

Green marketing refers to the development, promotion, and sale of products or services that are eco-friendly and designed to minimize their impact on the planet. The basic objective of green marketing is to meet consumer demands for sustainable and eco-friendly options while promoting responsible business practices. This approach incorporates environmental considerations throughout the product life cycle, from design and production to distribution and disposal. The core idea behind green marketing is to integrate sustainability into various aspects of a business, from product design and production processes to communication strategies. This approach not only addresses the growing concern for environmental issues but also recognizes the role of businesses in contributing to positive ecological outcomes.

Green marketing offers a chance for creativity that can lead to financial gains while also supporting environmental sustainability efforts (Grant, 2007). While businesses frequently harm the environment, either directly or indirectly, there is a growing awareness of the importance of environmentally sustainable practices. Particularly, multinational corporations, with their ample resources, should take the lead in implementing eco-friendly initiatives (Tjarnemo, 2001).

* Associate Professor, Department of Commerce, Janki Devi Memorial College, University of Delhi, Delhi, India.



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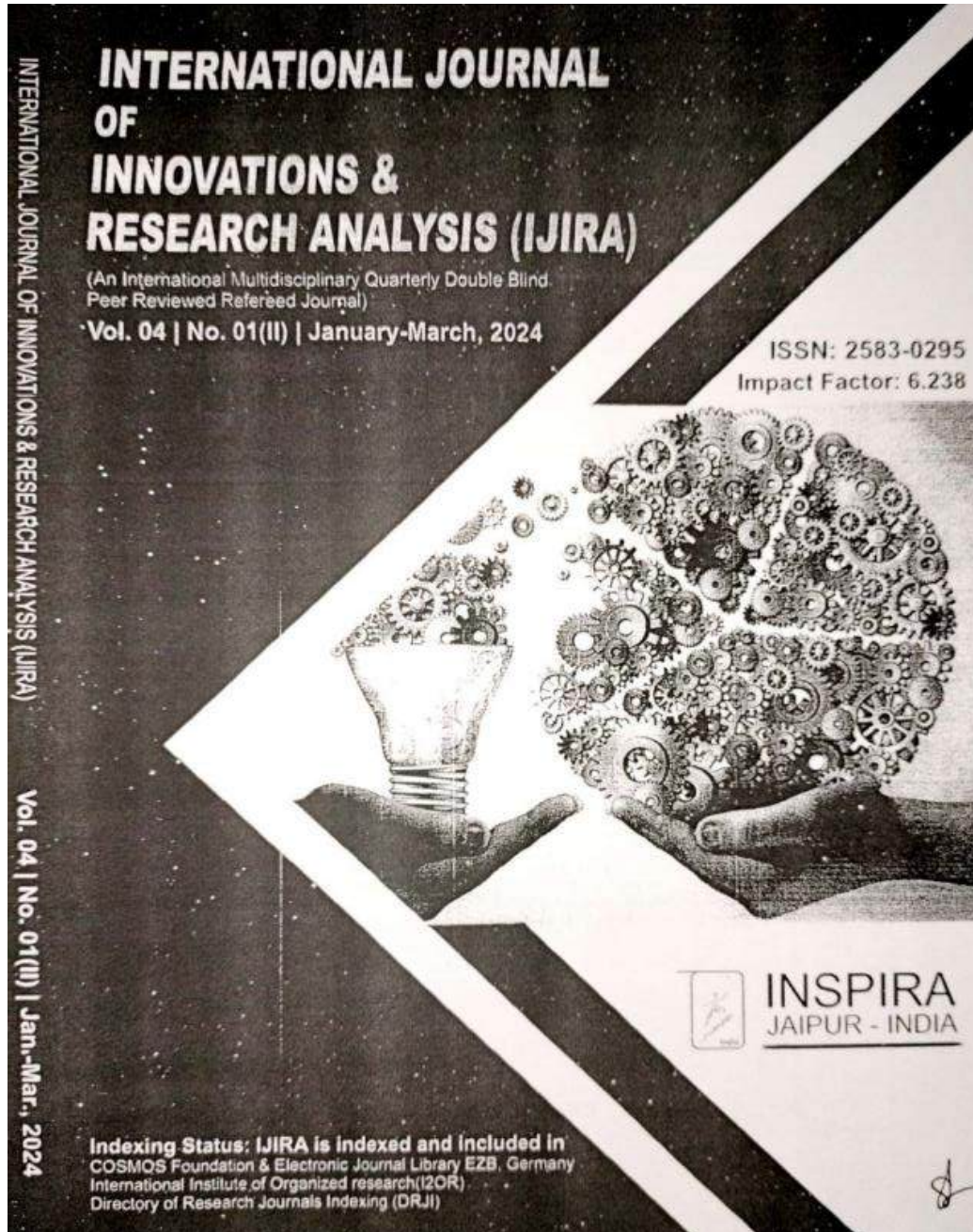
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RELATIONSHIP BETWEEN CORPORATE CHARACTERISTICS AND SUSTAINABILITY DISCLOSURE: A GLOBAL REVIEW OF LITERATURE

Dr. Sushma Maurya*

ABSTRACT

This review paper is an attempt to study and understand the relationship between corporate characteristics and sustainability disclosure through a critical review of various research studies across the world. The paper has reviewed and analysed literature from different countries around the world to develop an overall understanding on various determinants (corporate characteristics) affecting sustainability disclosure and also different methods adopted to analyse the same. Although research in this area has produced mixed results on the positive or negative relationship between various corporate characteristics and sustainability disclosure but a detailed review has identified a few significant variables like profitability, leverage, size, internationality, auditing by Big 4 auditing firms, presence of CSR committee and industry type that affect sustainability disclosure of corporations.

Keywords: Corporate Characteristics, Sustainability Disclosure, Global Review.

Introduction

During the last few decades, a vast amount of international literature has been developed which investigated the relationship between corporate disclosure and corporate characteristics (Ahmed & Courtis, 1999). In western nations, the research on voluntary disclosure started decades earlier than in India (Cerf, 1961; Singhvi & Desai, 1971; Belkaoui & Karpik, 1989). Later in nineteenth and twentieth centuries, a large number of studies were conducted in developed nations on corporate social and environmental reporting and CSR reporting (Deegan et al., 2002; Gray et al., 1995; Gray, 1994; Guthrie & Abeysekera, 2006; Hackston & Milne, 1996; Roberts, 1992) while formulating various theories and examining information disclosure through content analysis.

Objectives

- To develop an understanding about the relationship between various corporate characteristics and sustainability disclosure among the companies of different nations.
- To identify major determinants of sustainability disclosure based on a detailed review of literature across different nations around the world.

Research Methodology

The study is based on secondary sources of data in the form of various research articles, papers published in reputed journals, reports and other studies available on Scopus database. The author has manually analysed and reviewed about 40 research studies on the topic to obtain meaningful results and draw conclusions.

Review of Global Studies on Relationship between Corporate Characteristics and Sustainability Disclosure

Bansal (2005) conducted a longitudinal study of 45 Canadian firms for the period 1986-1995 for examining the reasons behind firms' commitment towards sustainable development through 3 principles of social equity, environmental integrity and economic prosperity. The results indicated that international experience, media pressure and size of the firm were positively related to corporate sustainability while return on equity was negatively related. The study identified resource-based theory and institutional theory responsible for the factors influencing corporate sustainable development.

* Associate Professor, Department of Commerce, Janki Devi Memorial College, University of Delhi, Delhi, India.



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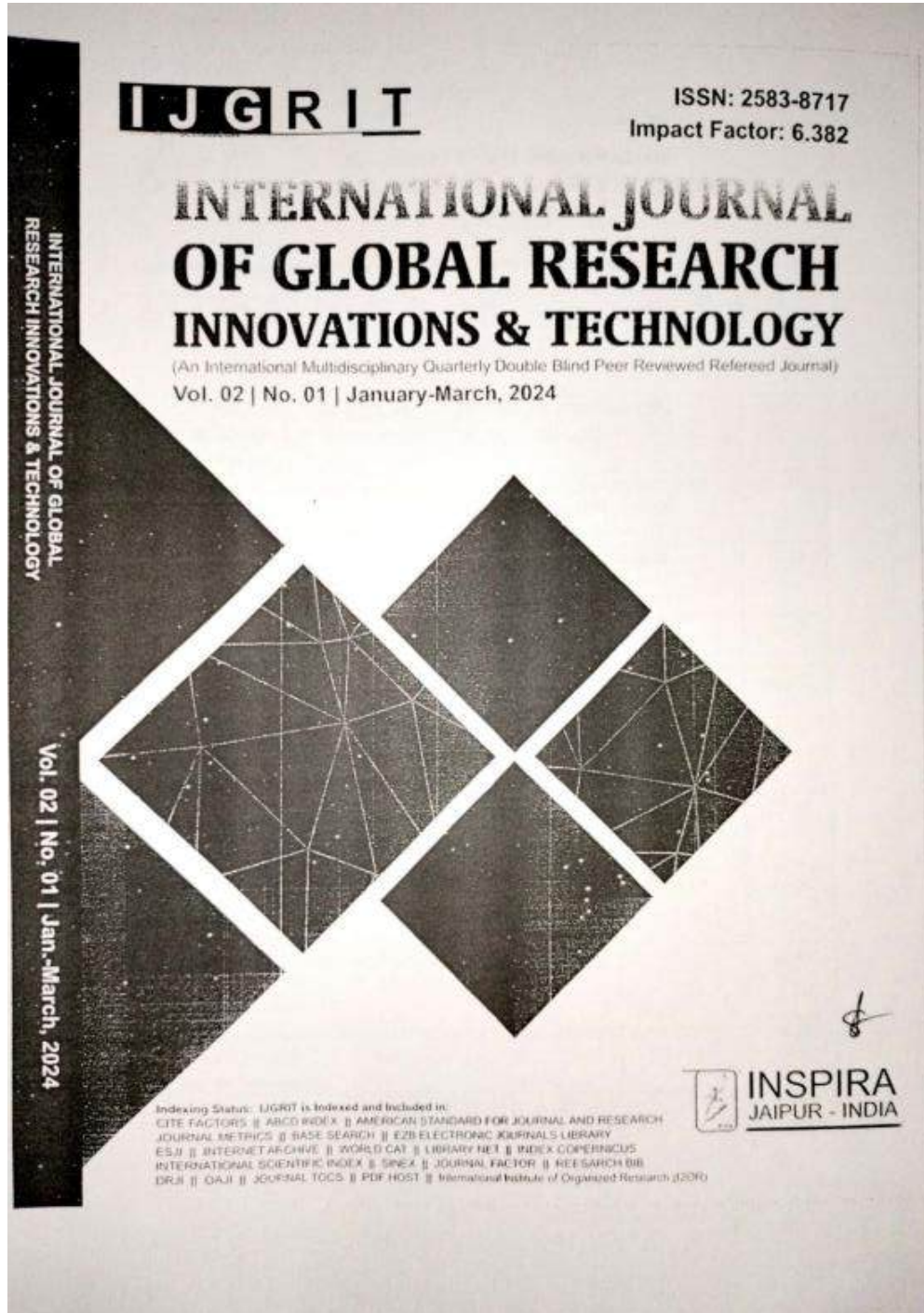
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34. Dr. Sushma Maurya - An Assessment of Theories and Reporting Frameworks on Sustainability





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AN ASSESSMENT OF THEORIES AND REPORTING FRAMEWORKS ON SUSTAINABILITY

Dr. Sushma Maurya*

ABSTRACT

The present review paper is a sincere attempt to synthesise dominant theories behind the sustainability disclosure of business organisations around the world. As studies by various researchers on sustainability reporting (SR) have employed several theories to explain the motive and rationale behind adopting sustainability disclosure practices, it is pertinent to study and understand all major theories in one study to develop a theoretical base for sustainability disclosure by corporations worldwide. Further, the study has provided a detailed account of all significant global standards and frameworks on sustainability reporting. The paper adds to the growing body of literature through developing an understanding of theoretical and reporting framework on sustainability.

Keywords: Sustainability Reporting, Legitimacy Theory, Sustainability Standards.

Introduction

"Sustainable development reports are public reports by companies to provide internal and external stakeholders with a picture of corporate position and activities on economic, environmental and social dimensions." – WBCSD (World Business Council for Sustainable Development). It gives information to various stakeholders about the manner in which a company is meeting the challenges of achieving corporate sustainability (Daub, 2007).

As studies by various researchers on sustainability reporting (SR) have employed several theories to explain the motive and rationale behind adopting sustainability disclosure practices, it is pertinent to study and understand all major theories in one study to develop a theoretical base for sustainability disclosure by corporations worldwide. Further, the study has provided a detailed account of all significant global standards and frameworks on sustainability reporting. The paper contributes to the literature by developing an understanding of theoretical and reporting framework on sustainability.

Legitimacy Theory

The most dominant theory in ESG reporting or Sustainability reporting is Legitimacy theory. This theory is based on the assumption of 'social contract' between organisations and society. It suggests that organisations engage in ESG reporting or sustainability reporting to legitimise their existence in society and to get 'license to operate'. Legitimacy theory suggests that for a company to thrive, it must possess legitimacy akin to a "social contract" or a "license to operate" (Deegan, 2002). This legitimacy entails meeting both explicit legal requirements and implicit societal expectations and norms regarding business conduct. In essence, the company's adherence to these expectations forms the foundation of its ability to access essential resources and operate successfully (Deegan et al., 2000).

* Associate Professor, Department of Commerce, Janki Devi Memorial College, University of Delhi, Delhi, India.



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ASSESSING THE IMPACT OF GREEN MARKETING PRACTICES ON RETAIL PRODUCTS IN INDIA

Dr. Sushma Maurya¹

Associate Professor, Department of Commerce

Janki Devi Memorial College, University of Delhi

ABSTRACT

This study explores the impact of green marketing practices on consumer spending patterns within shopping malls in the city of Haryana, India. Utilizing a quantitative research approach, data was collected from a diverse sample of 100 consumers across different demographics, and ANOVA analysis was employed to examine the impact of Green marketing practices on consumer decision-making. The findings revealed significant differences in consumer spending patterns across malls with varying levels of Green marketing practices. The study underscores the substantial influence of environmentally conscious initiatives on shaping consumer behavior. Based on these results, practical recommendations are offered, emphasizing the enhancement of Green marketing initiatives, tailored marketing strategies, educational campaigns, continuous monitoring, and collaboration among shopping malls. The insights derived from this research contribute to a nuanced understanding of the relationship between sustainable marketing practices and consumer behavior, providing valuable guidance for the strategic development of environmentally responsible initiatives within the retail sector.

Keywords: Green Marketing, Consumer Behaviour, Consumer Spending Patterns, Retail products, Sustainable marketing.

1. INTRODUCTION

Green marketing has gained prominence in recent years as businesses worldwide strive to address environmental concerns and meet the growing demand for sustainable products and services. In the Indian context, where environmental issues such as pollution, deforestation, and climate change are increasingly pressing, the adoption of green marketing strategies holds significant implications for both businesses and consumers.

Environmentally cognizant or "green" marketing makes references to both the conservation of environment and needs of the consumer. According to numerous environmentalists, green marketing deals with the four components of the marketing blend (item, cost, advancement, and appropriation) to give products that offer unmatched environmental benefits, like decreased squander, expanded energy efficiency, or conceivably diminished appearance of poisonous outpourings.

During the last few decades, environmental concerns, for example, global warming, environmental change and fast consumption of natural resources, and so on have been vital issues (Bashar, 2023). The crumbling of eco-framework and lack of natural resources genuinely influence people in an adverse manner.



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Noteworthy change in the climatic conditions represents a danger to the survival of the general public. Keeping in mind the end goal to react to basic issues emerging from overall environmental change and natural asset conservation, ideas concentrating on environmental obligation rose. Security of the earth is the essential duty of every last individual and the method of measures has turned out to be one of the greatest difficulties to advance.

1.1 The Emergence of Green Marketing

Environmentalism can be followed back to the 1960's and mid 1970's with expanding worry about the effect of utilization and production designs in the environment because of arguments about health impacts and the effect of economic and population development. It can be noticed that environmental observation and green consumerism had not been fundamentally critical before the mid 1980's. Green idea and green marketing had an exponential development amidst the most recent couple of decades and it made a global impact not just on business organisations but also consumers.

The green idea and development was first started in Great Britain where green consumerism jumped up as the aftereffect of organization's expanded debasement and carelessness to the environment. In this way, the idea of green marketing spread all through Great Britain. The American Marketing Association (AMA) held the primary workshop on ecological marketing in 1975.

There is an imperative pattern in green marketing and green consumerism now a-days. Asian nations have begun hinting at its development. Ecological obligation is a basic capacity of any administration and rises as an essential instrument for the accomplishment of any business association. Environmental awareness, expanding enthusiasm of consumers in green products, and so forth prompted corporate enthusiasm for green marketing, starting significant changes and innovations (Seman et al., 2019). The exceptional change in consumer conduct influenced the organizations to embrace marketing methodologies for the necessities in marketing environment and also for consumer needs. Rise in environmental concerns among consumers has been seen as the greatest open door by business undertakings. Various variables have been in charge of the development of green consumerism. These incorporate uplifted awareness of green issues among individuals, expanded levels of data accessible to green consumers, development of an expanding number of green substitutes to customary products; across the board utilization of green topics in advertising; a move in values towards worry for environment and society; expanded marketing and promoting action among environmental and social foundations. Companies while practicing environmental safety should remember their social responsibility. Henceforth, they should not abuse the green agenda for commercial closures but rather should give incredible push to sustainable development also. Along these lines, achievement in business relies upon the capacity of marketing practices to influence green contrasting options to seem natural and worthy. The significance of consumer interest likewise in green marketing activities becomes vital.

1.2 RESEARCH OBJECTIVES

- To examine the current Green marketing practices implemented by shopping malls in Haryana, India.
- To investigate the impact of Green marketing practices on consumer decision-making and spending pattern in shopping malls.
- To investigate the differences, if any, in consumer purchase patterns among shopping malls promoting green products with others not following such practices.

2. LITERATURE REVIEW

Green marketing has gained significant attention in recent years as consumers become increasingly aware of environmental issues and seek products and services that align with their values of sustainability and environmental responsibility. This literature review explores the various ways in which green marketing practices influence consumer behaviour, examining research findings and theoretical frameworks to provide insights into this evolving field.

Numerous studies have highlighted the role of green marketing in raising consumer awareness about environmental issues. For instance, a study by Ottman (1998) found that green marketing campaigns effectively communicate environmental benefits to consumers, leading to improved perceptions of environmentally friendly products. Similarly, research by Polonsky (1994) suggests that green marketing



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initiatives contribute to shaping consumer perceptions of companies as socially responsible entities, thereby influencing their buying behaviour.

Findings from studies by Menon and Menon (1997) and Lin and Huang (2012) indicate that information from credible sources such as environmental organizations or government agencies has a stronger impact on consumer attitudes and purchasing decisions compared to marketing messages from companies themselves. Thus, the credibility of information sources plays a crucial role in shaping consumer perceptions of green products.

Tanner & Kast (2003) distinguish relevant and individual obstructions that keep consumers from buying green food and to expand familiarity with the advancement of green buys. The effect of explicit classes of individual variables, like attitudes, guidelines, and information limits, as well as logical elements, like everyday environments, monetary attributes, and store qualities, are analysed corresponding to Swiss consumers' green buys utilizing review information. Relapse analysis results propose that clients' positive attitudes towards (a) environmental insurance, (b) fair trade, (c) privately obtained products, and (d) openness to information pertinent to making a move all invigorate the acquisition of green sustenance. Green behaviour is thusly adversely related with (e) noticed time obstructions and (f) the recurrence of market shopping. Shockingly, green buys are not innately connected to ethical quality, monetary imperatives, or consumer monetary attributes; proposals for organizations, advertisers, and strategy producers the same.

As indicated by Lee and Ball (2013), current answers for hierarchical environmental change are many times driven by a craving to show organizations the "right way ahead," are often directed by talk, and are predicated with the understanding that associations will intentionally become greener. None of these suspicions is upheld by much proof. Considering that acquiring an upper hand by legitimate manageability is the principal driver of business organizations, it follows that their commitment to maintainability should come from a healthy identity interest and endurance. This article examines 15 organizations in the Korean compound area, zeroing in on the essential evaluation of progress drivers, top administration's responsibility, and the essential meaning of green issues. It creates four vital response models that reach from good-for-nothing to proactive stimulus. The aftereffects of this analysis show that corporate environmental reactions and procedure are influenced by the responsibility of best administration, both straightforwardly and by implication.

Another study examines the impact of various green marketing strategies, including the eco-label, eco-brand, and environmental advertising. The sampling method employed was available cluster sampling, with Tehran city divided into four geographic areas: North, South, East, and West. The study focused on the western and northern regions. Through the utilization of the Spearman correlation test and multiple regression analysis, findings revealed that environmental advertising exerted the most substantial influence on consumer purchasing behaviour, while the eco-brand had the least impact (Delafrooz et al., 2014).

Using a quantitative, exploratory, and descriptive approach, a survey was conducted with a sample size of 100 consumers. The findings reveal that South African consumers possess a strong understanding of environmental issues. Components of the green marketing mix, particularly green promotional efforts, were observed to heighten awareness and foster positive shifts in consumption patterns. A considerable portion of participants expressed a preference for supporting socially responsible retailers, and they exhibited a preference for green products over conventional alternatives. However, price sensitivity was evident among respondents, influencing their purchasing choices. Interestingly, no significant disparities were detected between low and high-income earners in terms of price sensitivity, nor between individuals with differing levels of education concerning their awareness of environmental degradation and familiarity with green marketing strategies (Govender & Govender, 2016).

As indicated by Karna et al. (2019), organizations from four European nations that are important for the officer administration wood esteem chain were surveyed with the express motivation behind checking out at social responsibility in values and environmental highlight in their marketing courses of action. Most of organizations in Finland, Sweden, Germany, and the UK accentuate environmental issues in their hierarchical missions, marketing plans, and authoritative designs. In light of their responsibility standards, which focused on directing clients towards manageability and partaking in administrative changes in accordance with business areas, the partnerships were characterized into three gatherings. In their marketing system, "proactive green advertisers," or organizations that accentuate supportability and have confidence in the unrestricted economy, obviously stress environmental issues more than customary "utilization advertisers" or "responsive



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Bibliometric Analysis and Review of World Trade Organization Research: Suggesting Future Avenues using WOS Database

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Abstract

The study analyzes the intellectual structure of World Trade Organization (WTO) research, employing a bibliometric approach. The bibliographic information of 7203 publications in

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37. Varun Kumar Rai - Exchange rate volatility and international trade

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Exchange rate volatility and international trade

Madan Lal^a, Satish Kumar^{b,c}, Dharen Kumar Pandey^c, Varun Kumar Rai^{a,d,e,*}, Weng Marc Lim^{e,f,g}

^a Department of Commerce, Delhi School of Economics, University of Delhi, Delhi, India

^b Indian Institute of Management Nagpur, India

^c P. G. Department of Commerce, Magadh University, Bodh Gaya, India

^d Janki Devi Memorial College, Delhi, India

^e Sunway Business School, Sunway University, Sunway City, Selangor, Malaysia

^f School of Business, Law and Entrepreneurship, Swinburne University of Technology, Hawthorn, Victoria, Australia

^g Faculty of Business, Design and Arts, Swinburne University of Technology Sarawak Campus, Kuching, Sarawak, Malaysia

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ABSTRACT

As the volatility of exchange rates significantly influences international trade, understanding their complex interplay is paramount. In the face of a burgeoning body of knowledge that lacks a comprehensive and up-to-date review, this study employs performance analysis and science mapping to discern publication and citation trends, identify major contributors, and delineate key themes in the domain of exchange rate volatility and international trade. The exploration reveals a nuanced relationship where exchange rate volatility impacts varied exporters, sectors, and regions differently. The investigation also underscores the growing significance of firm-level analysis in international business and economics, highlighting a shift towards exploring how firms respond to and navigate through exchange rate fluctuations. The research also finds an imperative for robust risk management strategies to mitigate the repercussions of exchange rate volatility, alongside policy interventions tailored to account for these varied impacts. Consequently, the study fills existing knowledge gaps and proposes future research avenues, emphasizing the necessity of a global and collaborative approach to unravelling intricate relationships while providing a valuable resource for scholars, practitioners, and policymakers in the realm of exchange rate volatility and international trade.

1. Introduction

Exchange rate serves as a barometer for the economic health of a nation, influencing various facets of its economy, especially international trade (Edwards & Cabezas, 2022). The inherent volatility of exchange rates can pose a significant risk to global trade dynamics by escalating transaction costs and potentially curtailing trade interests, resulting in de-internationalization (Lim & Mandrinos, 2020, 2023; Mandrinos & Lim, 2023; Mandrinos et al., 2022). Exchange rate volatility arises from fluctuations in the value of a country's currency relative to others, which can be sparked by a plethora of factors such as changes in interest rates, inflation rates, political stability, economic performance, and speculation (Alshubiri, 2022; Hall et al., 2013; Liu & Lee, 2022).

Amid the progression of globalization, international trade—being

the exchange of goods and services across national borders—has become paramount in bolstering economic growth and development (Kumar et al., 2022a; Mandrinos et al., 2022; Porter, 1990). However, the palpable impact of exchange rate volatility on international trade underscores the necessity for a comprehensive and systematic study of their relationship. Existing empirical evidence points to the detrimental effects of exchange rate volatility on international trade (Coric & Pugh, 2010; Ozturk & Kalyoncu, 2009; Rahman & Serletis, 2009; Taglioni, 2002). Nonetheless, some studies suggest a positive effect under certain conditions (Aaseery & Peel, 1991; Artiz, 1998; Bailey et al., 1988, 1987; Hall et al., 2010).

Exchange-rate fluctuations can trigger symmetric or asymmetric effects on trade flows (Cheung et al., 2012; Rose, 1991). Symmetric effects suggest a direct proportional relation between exchange rate volatility and trade volume, while asymmetric effects involve varied reactions to

* Corresponding author at: Department of Commerce, Delhi School of Economics, University of Delhi, India.

E-mail addresses: mlal@commerce.du.ac.in (M. Lal), satish@iimnagpur.ac.in (S. Kumar), dharenp@gmail.com (D.K. Pandey), varun.dse.du@gmail.com, varun@jdm.du.ac.in (V.K. Rai), lim@sunway.edu.my, marclim@swin.edu.au, wlim@swinburne.edu.my (W.M. Lim).

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Mapping the landscape of FinTech in banking and finance: A bibliometric review

Dharen Kumar Pandey^{a,1}, M.Kabir Hassan^{b,2}, Vineeta Kumari^{a,3},
Younes Ben Zaied^c, Varun Kumar Rai^{d,e,*}

^a P. G. Department of Commerce, Magadh University, Bodh Gaya, Bihar 824234, India

^b Department of Economics and Finance, University of New Orleans, USA

^c OCRE Lab, EDC Paris Business School, Paris, France

^d Department of Commerce, Delhi School of Economics, University of Delhi, Delhi, India

^e Janki Devi Memorial College, Delhi, India

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ABSTRACT

With a sample of 366 Scopus-indexed publications, we use the bibliometric and content analysis method to present the publication trends in the FinTech literature in banking and finance. While highlighting the most influential studies, concurrent themes, and the intellectual structure of the FinTech literature, we present the current research trends, gaps, and future research agendas. FinTech has important implications for digital transformation of the existing banking and financial systems. Researchers are making significant efforts to figure out how FinTech relates to crowdfunding, lending, credit sourcing, and stock market integration. There is ample scope for theoretical and contextual coverage, including methodological contributions to the FinTech literature. We provide five clusters indicating the concentration of the extant literature and ten broader areas on which future researchers should focus.

1. Introduction

Banks, non-bank financial institutions, stock markets, and cryptocurrency platforms increasingly rely on different digital technologies and innovative business models (Cappa et al., 2022; Carlini et al., 2022; Lorenzo and Arroyo, 2022). In the period of information and communication technology, various firms and industries tend to use FinTech in financial matters, leading to an improved and automated delivery system and financial service applications (Hornuf et al., 2021). The global financial crisis of 2008 motivates the users of FinTech services to overcome the difficulties of traditional financial services (Barbu et al., 2021; Li et al., 2020). This includes all the sectors like education, banking, lending (including peer-to-peer (p2p) lending and shadow lending), and investments like stocks and cryptocurrencies using blockchain technology, which empowers the decentralized financial platforms (Chen

* Corresponding author at: Department of Commerce, Delhi School of Economics, University of Delhi, Delhi, India.

E-mail addresses: dharenp@gmail.com (D.K. Pandey), mhassan@uno.edu (M.Kabir Hassan), vidhatamu@gmail.com (V. Kumari), ybenzaied@edeparis.edu (Y.B. Zaied), varunrai181995@gmail.com, varun@jdm.du.ac.in (V.K. Rai).

¹ ORCID ID: <https://orcid.org/0009-0002-0030-1781>

² ORCID ID: <https://orcid.org/0000-0001-6274-3545>

³ ORCID ID: <https://orcid.org/0000-0001-8231-1213>

⁴ ORCID ID: <https://orcid.org/0000-0002-8090-9745>

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39. Varun Kumar Rai - Did the Indian stock market sail the Russia-Ukraine storm safely?

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Did the Indian stock market sail the Russia-Ukraine storm safely?

Dharen Kumar Pandey^a, Rima Assaf^b, Varun Kumar Rai^{c,*}

^a P. G. Department of Commerce, Magadh University, Bodhgaya, India

^b American University in Dubai, United Arab Emirates

^c Department of Commerce, Janki Devi Memorial College, University of Delhi, Delhi, India

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Ukrainian crisis
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ABSTRACT

With a sample of 1422 NSE-listed stocks, this study employs the event study method to find the impact of the Russian invasion of Ukraine 2022 on the Indian stock market. Further, cross-sectional regression captures the firm characteristics capable of driving abnormal returns. While the abnormal returns of the Indian stock markets are significant and negative during the pre-invasion period and on the date of military initiation, they are significantly positive during the post-invasion period except on $t + 6$. The cross-sectional examination of the cumulative abnormal returns with the firm-specific variables indicates that while size, leverage, and BTM negatively impact the pre-invasion abnormal returns, firm liquidity is insignificant; during the post-event period, the past returns and stock volatility positively impact and can predict the abnormal returns. The study provides important implications for policymakers, firms, banks, and investors in managing their financial structure and making informed investment decisions. The findings can also be applied to other emerging markets, serving as a reference for policymakers and contributing to the broader understanding of firms' behavior during crises.

1. Background and motivation

With 5.95 million deaths¹ as of 23 February 2022, the natural catastrophe, the COVID-19 pandemic, could undoubtedly be the most significant setback to humanity. Nevertheless, 24 February 2022 evidenced the Russian military action on Ukraine, leading to 7.65 million Ukrainian refugees across Europe as of 04 October 2022. Like the global pandemic, the ongoing Russia-Ukraine war introduces economic distress to economies worldwide.

Since the Russia-Ukraine war began, researchers worldwide have explored different questions on how the war has impacted asset prices (Halousková, Stasek, & Horváth, 2022), energy markets (Umar, Riaz, & Yousof, 2022; Zhou et al., 2023), currencies and cryptocurrencies (Altu, Hasková, & Bajra, 2022; Chortane & Pandey, 2022; Mnif, Mouakhar, & Jarbou, 2022; Theiri, Nekhili, & Sultan, 2022), mutual funds (Yarovaya & Mirza, 2022), and stock markets (Abbassi et al., 2022; Ahmed, Hasan, & Kamal, 2022; Boubaker, Goodell, Pandey, & Kumari, 2022; Clancey-Shang & Fu, 2022; Sun & Zhang, 2022). Additionally, the prior literature has also explored the safe haven opportunities (Mohamad, 2022), the systemic risk exposed (Qureshi, Rizwan, Ahmad, & Ashraf, 2022), and the spillover effects of the war (Adekoya, Oliyide, Yaya, & Al-Faryan, 2022; Just & Echaust, 2022; Singh, Patel, & Singh, 2022). While Russia is criticized for the Ukrainian crisis, researchers also examined how corporate decisions to stay and leave businesses in Russia affect their stock market performance (Basnet, Blomkvist, & Galariotis, 2022; Glambosky & Peterburgsky, 2022; Tosun &

* Corresponding author.

E-mail addresses: dharenp@gmail.com (D.K. Pandey), rassaf@adjunct.aud.edu (R. Assaf), varun@jdm.du.ac.in (V.K. Rai).

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
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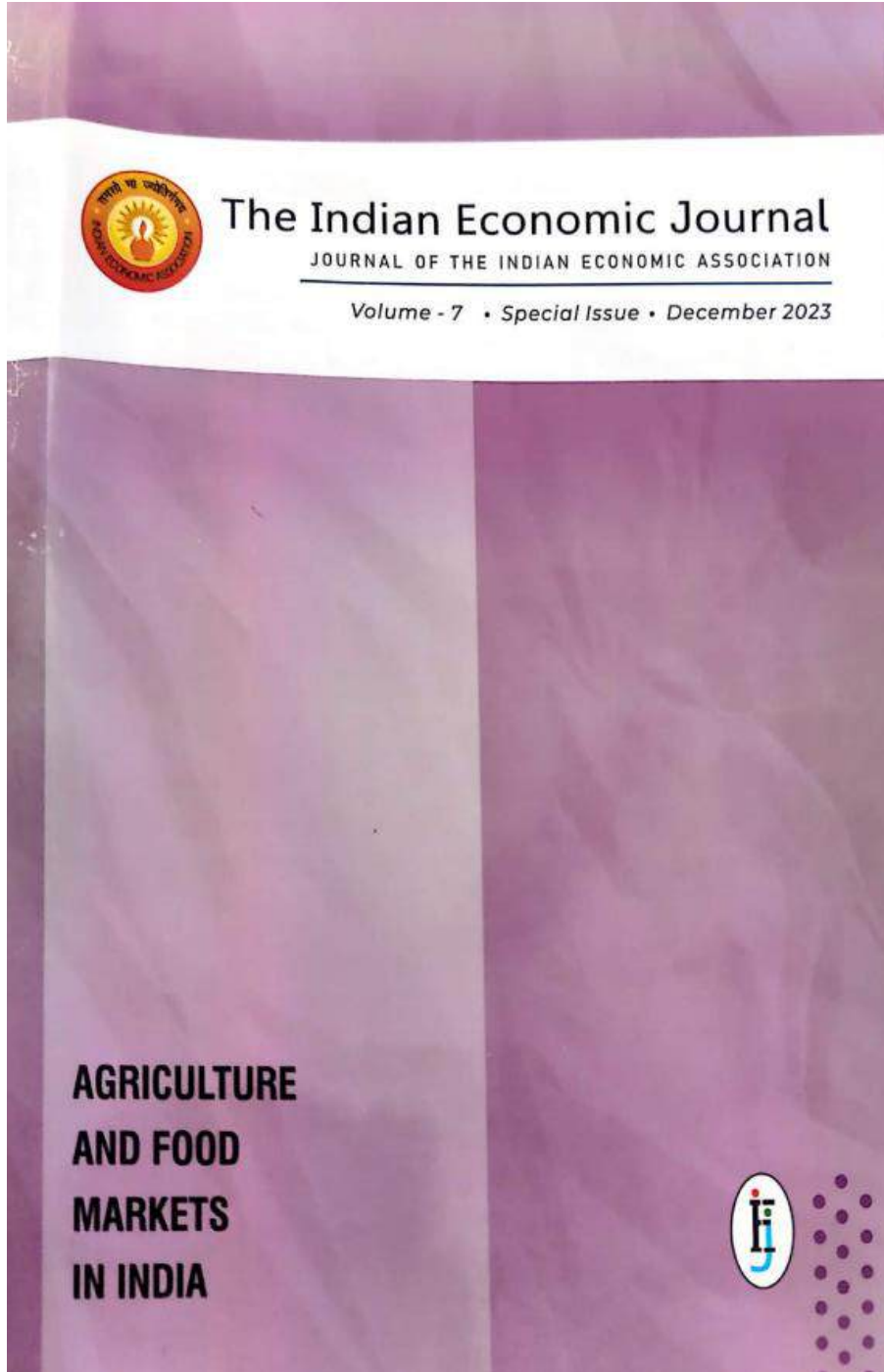
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43. Deepthi Sethi - Role of Fashion Industry and Its Impact on Economy





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Understanding the Dynamics of Price Transmission between Global Market and Domestic Market (A Case of Selected Agricultural Commodities in India)

Deepti Sethi *
Gagan Pahwa **

Abstract

Some of the persistent and pressing policy concerns have always been related to the inflation for food prices and its variability which have been an important source of concern to the policymakers. Since the end of the 1980s, they were concerned about the secular decline of agricultural prices and its adverse implications on overall food production, farmers' income, rural livelihoods and the food security in developing countries. Another policy concern is the variability of international food prices. Variability is more detrimental than inflation because it undermines the effectiveness of informed decision-making for both producers and consumers. Period from 2000 onwards, Indian rice prices have moved in tandem with the international prices, though they remained below the international prices throughout 1980-2022. Until 2014, the pattern for wheat and maize remained consistent; however, domestic prices surpassed international prices between 2014 and 2020.

The present study attempts to review recent developments in the study of extent of global food price transmission to domestic prices in India. The debate on the major factors behind the surge in food prices and volatility has assumed critical importance if policy makers are to deal with crisis and its aftermaths in an informed and effective manner. For minimal adverse impact on food security, policy making/designing can only be successful if one has better understanding of the responsible factors for price surge. In light of above, the study attempts to explore the theoretical and empirical review of literature relating to the price transmission from international market to domestic market for the rice, wheat and maize at wholesale level

Literature provides evidence towards limited transmission from international wheat prices to domestic wheat prices in India owing to the interventionist domestic agricultural policies. In addition it shows that government policies has remained successful in sheltering the growers/farmers by assuring higher prices for these crops, restricting exports and other interventions causing limited transmission.

Introduction

Some of the persistent and pressing policy concerns have always been related to the inflation for food prices and its variability which have been an important source of concern to the policymakers. Since the end of the 1980s, they were concerned about the secular decline of agricultural prices and its adverse implications on overall food production, farmers' income, rural livelihoods and the food security in developing countries. Another policy concern is the variability of international food prices. Variability is more detrimental than inflation because it undermines the effectiveness of informed decision-making for both producers and consumers. The most vulnerable section of population is net buyers of food and the poor, who spend relatively greater proportion of their budget on food. Advanced economies spend only around 16 percent of their total household expenditure on food (Wu, 2004). By contrast, the average household in the developing world spends roughly half of its total budget on food. Countries in South Asia spend more than 50 percent of their total expenditure on food (Asian Development Bank (ADB, 2011)).

* Assistant Professor, Department of Economics, Janki Devi Memorial College, University of Delhi
** Assistant Professor, Department of Economics, Vivekananda College, University of Delhi



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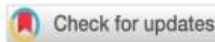
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Role of Fashion Industry and Its Impact on Economy

Vibha Aggarwal¹ , Sakshi Bansal^{2*} , Deepti Sethi³ 

¹Indraprastha College for Women, University of Delhi, INDIA

^{2,3}Janki Devi Memorial College, University of Delhi, INDIA

*Corresponding Author Email: sakshi@jdm.du.ac.in

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ABSTRACT: The purpose of this study is to ascertain whether a greater understanding of the detrimental environmental repercussions of fast fashion and its possible influence on college students' future shopping behaviour are related. In order to achieve this, we carried out a survey analysis of students' buying habits, taking into account the frequency of their clothing purchases, the popular brands they choose, and impact on environmental and their wardrobe choices. We examined results and their correlations with the fashion motto and their connectivity with clothing purchases, investigated their fast purchasing patterns, and the fashion chosen by individuals. According to our findings, a large number of people are unaware of the negative environmental effects that major brands have unless they are specifically educated about the matter.

KEYWORDS: Environment, Renewable Resources, Non-Renewable resources, Education

1. INTRODUCTION

Fast fashion entails the rapid production of affordable, fashionable clothing that rapidly transitions from fashion shows to retail stores to satisfy consumer preferences. This model emphasizes quick turnover and low prices, allowing fashion retailers to respond swiftly to the latest trends. However, it often involves the use of cheap labour, environmentally harmful practices, and produces a large amount of disposable clothing, contributing to environmental and social issues. The fast fashion industry typically prioritizes speed and cost efficiency over sustainability and ethical considerations.

2. COSTS OF FAST FASHION

Beyond the environmental repercussions of climate change and global warming, an often overlooked yet urgent threat to the environment is the phenomenon of 'fast fashion'. Fast fashion faces noteworthy challenges, particularly in terms of environmental impact. This industry contributes significantly to pollution, such as emission of greenhouse gases and waste, consuming substantial amounts of natural resources such as water, energy, and raw materials in the production of clothes.

According to UN Environment Programme (UNEP), there are massive environmental costs associated with the fast fashion industry. This industry is a second biggest consumer of water and 10 percent of global carbon emissions. The report highlighted that crafting a pair of jeans, from cotton production to the final product's retail delivery, requires 3,781 litres of water—equivalent to the amount an individual typically drinks over three years. The global textile industry emits more greenhouse gases than the emissions generated by shipping and international air travel together. Another estimate by UNCTAD reports that the fashion industry utilizes approximately 93 billion cubic meters of water annually, a quantity sufficient to satisfy the requirements of five million people. Additionally, about half a million tons of microfiber, every year, an amount equivalent to 3 million barrels of oil is being released into the ocean.

Fast fashion extracts a human toll as well. Textile workers, predominantly women in developing nations are the main victims, often settling for the meager wages and hefty hours that too under distressing conditions (UNEP, 2018; WRI, 2019). In addition, the chemicals used in clothing production raise serious health concerns





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for both industry workers and consumers. This environmental and social toll of the industry calls for an urgent reconsideration of fast fashion and signals the adoption of more sustainable business models and practices.

3. REVIEW OF LITERATURE

Paper by Ren (2022) pointed out that the fast fashion industry, while transforming consumer habits and significantly impacting the economy and e-commerce, is associated with adverse effects, particularly in terms of water use. In his paper he illustrated, particularly pertaining to the garment industry that in producing one cotton shirt requires 3,000 liters of water, while one kilogram of cotton demands 10,000 liters.

According to Niinimäki *et.al.*, 2020, cotton demand, driven by global factors, has led to significant water losses, such as the 20% decline in the Aral Sea attributed to EU cotton consumption. Research indicates that the textile and clothing sector attributes 7% of local groundwater and drinking water losses, particularly in water-stressed regions like China and India. In the same paper, authors mentioned that the garment industry not only contributes to local water resource issues by generating wastewater and exacerbating water scarcity but also Untreated wastewater entering local groundwater poses a severe threat to ecosystems due to the toxicity of manufacturing chemicals. Unfortunately, some wastewater is so contaminated that it cannot be effectively cleaned. The fashion industry in Cambodia, for example, causes 60% of water pollution and 34% of chemical pollution. This industry dominated 88% of all industrial production in the country as of 2008.

A study by Brewer (2019) pointed out that fast fashion is recognized for its substantial carbon footprint, accounting for 17-20% of global water pollution and necessitating 20,000 liters of water to produce 1 kg of cotton. According to a Forbes energy study, fast fashion has a notable environmental impact, utilizing 70 million barrels of oil annually and contributing to the depletion of 70 million trees each year for essential fiber production in clothing and these fibers, take 200 years to decompose as per Conca (2015).

Given these massive environmental costs, it becomes all the more imperative to curtail emissions and other pollutants in the fashion industry. There's a need to shift from high manufacturing volumes and the production of polyester to embracing renewable plant-based textiles. Additionally, efforts should be directed towards minimizing non-renewable energy consumption, and adopting sustainable practices in clothing production and shipping. . To address the issue of chemical pollution,

there is a requirement for increased oversight and regulation of the usage and measurement of chemical dyes by authoritative bodies. Simultaneously, there's a necessity to enhance public awareness regarding safety and environmental concerns.

4. OBJECTIVES

- To understand what exactly is fashion sustainability.
- To identify the ground cause and barriers to incorporating sustainability in the fashion industry.
- To amalgamate the field to identify opportunities for societal impact.

5. METHODOLOGY

The research paper used normative and utilitarian constructs. Every characteristic was measured using the Likert scale paradigm, which goes from "fully agree" to "do not agree." We have taken socio-demographic variables, frequency measures related to the scope and opportunities provided by the Fashion Industry in India. In order to analyse the contributions made by the Fashion Industry to promote sustainability; secondary sources will be used such as data collected from official websites and articles of major Fashion brands in India.

The research methodology used for this study is descriptive based on primary data, collected through a survey conducted across individuals having experience in trends of fashion such as fast fashion and the implication it causes on the economy through various economics principles such as supply, demand, scarcity it causes on resources, etc. who belonged to different age groups. More than 70 questionnaires have been filled to evaluate the impact of Fashion Sustainability on our Indian Economy. There was also usage of the secondary data that includes published reports, published research papers in national and international journals, and existing literature to study the role of the government of India to promote economic growth in the Fashion Industry and concerns for the sustainability of resources, various policies from official government sources will be studied.

Consumers nowadays reply their purchasing decisions not just on the product's appearance or exterior features, but also on the production cycle. Sustainability in a product is one such feature that has become increasingly important for consumers when determining what to buy and what not to buy in recent years.

Priorities for sustainability transcend age, region, product category, and, in certain cases, even socioeconomic classes. Such customers are eager to "transform ideas to practices" with regard to comes to long-term viability changing their habits, and sometimes willing to pay more



for organizations who do it appropriately. They choose products depending on whether or not they align with their personal convictions. As a result of their increased attention to sustainability, consumers are switching to new forms of consumption and purchases, which presents challenges to many established companies and opportunities for new ones. Given how important sustainability has become in consumers' decision-making, companies and retailers should indeed expand their attention and improve their capacity to match these needs. This allows competitors of all sizes to gain credibility, especially among purpose-driven customers.

As a result, it's crucial to examine how consumer purchasing patterns and behavior have changed in response to various fashion brands' strategy and sustainability approach.

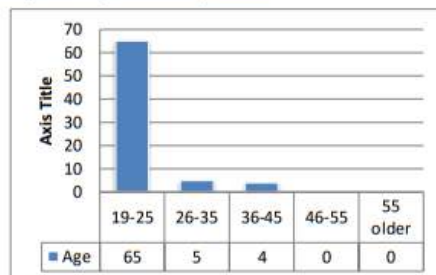
Recruitment Survey

Students that were enrolled at Delhi University were used to recruit the sample. Students at Delhi University conducted surveys beyond regular class hours, with the researcher sending survey links to them via email. 75 students from a variety of campus groups and organizations took part in the poll. The survey was distributed to a number of disciplines in an effort to obtain a varied viewpoint and a fair distribution of male to female responses.

Age Data

The mean age of the 65 participants who answered the age question, with a range of 19 to 25, was 18.629, rounding up to 19 for those who completed the survey.

Figure 1: Age of the Respondents



Sources: Author's calculation

Gender

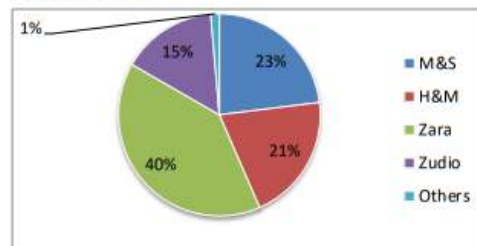
Since women represent more than half of the consumer market for fast fashion and purchase more of it than men do, they ought to be in charge of finding solutions.

Figure 2: Gender of the Respondents



Sources: Author's calculation

Figure 3: Variation in Buying Patterns in Relation to Brand Preference



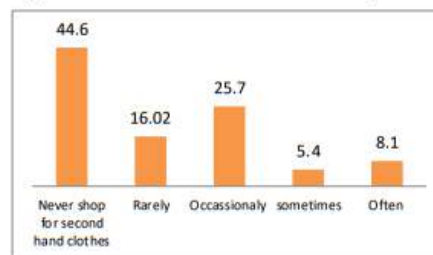
Sources: Author's calculation

Because they follow trends and receive a lot of support, brands like the ones mentioned above are regarded as being particularly trendy for women in the 19–25 age groups.

Circular Fashion Flow

Shopping for second hand clothes/Vintage collection to save and recycle the production in order to save plant from fast fashion and modify the consumption preferences. As figure below expresses that the 44.6 percentage of college students do not want to purchase the second-hand clothes and only 8.1 % believes in recycling the current fashion.

Figure 4: Circular Fashion collection of the respondents



Sources: Author's calculation



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Alternatives to Fast Fashion for Slower Sustainable Style

Since supply chains utilize oil-based insecticides, pump enormous quantities of water to irrigate cotton plantations, and employ other practices that worsen pollution, the fashion industry is accountable for 8% of carbon emissions.

There is a requirement to find solution and alternatives to fast fashion in order to maintain environment friendly products. As per our sample survey, 38% of our responses believe in local shopping and creating their own fashion statement. Our sample also suggested some alternatives of fast fashion as explained in table 1.

Table 1: Alternatives to fast fashion

Alternatives to Fast Fashion	Outcome
Shop Local	37.30%
Ethical made clothing	10%
Invest in timeless pieces	8%
second hand clothes	12%
Rented clothes	11.25%
Sustainable material	12.25%
Exchange of clothes	9%

Sources: Author's calculation

6. CONCLUSION

The phrase "fast fashion" has come to represent a frenzied cycle of wasteful consumption. A race to the bottom has resulted from high-street stores' ruthless desire to provide the newest fashions at deeply discounted costs, with disastrous effects for the environment and workers in textiles. However, as consciousness of these issues rises, a new wave of ethical and environmentally conscientious shoppers is rebelling and looking for fast fashion substitutes that put ethics and sustainability first.

An answer to the fast fashion industry's unsustainable tactics, it is important to spread awareness about sustainable fashion, recycled design and fabrics and use of alternative fashion in order to save our earth. There is a need to promote eco-friendly materials, moral production practices, and classic design. Fundamentally, slow fashion encourages customers to make more deliberate, long-lasting choices by placing an emphasis on quality over quantity. Customers may support fair labor practices and lessen their environmental impact by purchasing long-lasting, well-made clothing.

These solutions help the environment to minimise the impact of fast fashion and recycle the existing material to efficiently utilise all resources.

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Department of Management Studies, Jamia Milia Islamia

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46. Sakshi Bansal - Exploring Commonality in Liquidity and Volatility Risk Pricing in Indian Stock Markets

Exploring Commonality in Liquidity and Volatility Risk Pricing in Indian Stock Markets

Neha Bansal

Assistant Professor, Department of
Commerce, Satyawati College (Eve.),
University of Delhi
nehabansal268@gmail.com

Sakshi Bansal

Assistant Professor, Department of
Economics, Janki Devi Memorial
College, University of Delhi
sakshi.eco@gmail.com

Pankaj Kumar Gupta

Professor, Department of
Management Studies, Janta Mila
Islamia, New Delhi
plgfrms@gmail.com

ABSTRACT

Research and market analysts have been following the liquidity and volatility risk microstructures of stock markets with interest. Both types of risks have a significant impact on asset returns and exhibit a high level of persistence in various ways, viz. commonality in liquidity and illiquidity sensitivity to market returns. Returns shocks can be used to anticipate liquidity and volatility shocks across a variety of assets. The study attempts to extract the common factors for selected volatility and liquidity measures of stocks traded on the national stock exchange, NIFTY 50, over a time span of November 2010 to October 2022. Results indicate a high correlation between the selected measures and the uncertainty factor. There is no notable price phenomenon for the unique liquidity risk element in the cross-sections. The findings of our study carry important implications for regulators and policymakers for market controls and risk management mechanisms.

CCS CONCEPTS

- Commonality; - Liquidity Risk; - Volatility Risk; - Uncertainty; - Indian Stock Market

KEYWORDS

JEL Classification: D53, D81, G12, G14

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1 INTRODUCTION

The global financial system has evolved from a more primitive form to a more mature and complex system with strong dependencies among markets, asset classes, and participants. A financial system acts as an intermediary between lenders and borrowers and provides them with a catalogue of options from which they can choose a particular vehicle for investment having certain levels of risk and

return features [1]. [2] suggest that the growth of a robust financial system is very much related to the growth of the economy as a whole. Financial markets are an integrated part of the financial system and the integration of markets is a key to economic growth [3]. [4]. A major portion of economic thinkers believe that an efficient financial system can become the backbone of a well-functioning economy. Also, such an efficient financial system should contain all the features of direct/market-based financing as well as indirect or bank-based financing. The financial systems around the world have undergone significant transformation over the past few decades, leaving the financial markets vulnerable and raising serious issues with liquidity and volatility that have had a disastrous effect on the health of the economy as a whole [5]. Researchers have been measuring liquidity and volatility concerns and their consequent impact on the movements in the market as a result of financial market tensions, particularly in 2008 [6], [7].

Liquidity has been the fundamental force behind the ups and downs in stock markets. The lack of liquidity or an overdose can be hazardous to the growth of the stock markets, and regulators need to keep surveillance on the functioning of markets [8]–[10]. A fundamental change in the stock market may be caused by significant shifts in liquidity conditions. In a study on open-ended mutual funds, [11] have shown that exposures to liquidity risk can dampen market sentiments.

Another aspect of the dynamics of financial markets that causes erratic movements in stocks is "volatility." A consistent, non-threatening level of volatility is required in the market to maintain the asymmetric flow of information among participants. Volatility contagion across equity markets can be studied in the form of crash and non-crash risk [12], [13]. In various studies, the impact of volatility on asset returns is non-linear [14]– [16], and possibly stocks that are financially distressed are able to realize higher returns, and this relationship cannot be dismissed by some short-term effects on the returns. Volatility is of the utmost concern to market regulators, participants, and society at large. Volatility in asset returns creates significant implications for asset allocation strategies. Volatility clustering and persistence have been extensively explored by the researchers, and various models have been developed thereupon to formalize asset allocation strategies.

The traditional models of risk that estimate risk from simple addition have been criticized by researchers. [17] have argued that the conventional VaR models that are subject to a high level of constraints in handling liquidity risk result in an underestimation of overall risks in the context of financial institutions.

[18] question the use of the traditional liquidity-adjusted VaR measure by simple risk addition since it may underestimate the risk. In present times, we find that portfolio strategies for investors may

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47. Sakshi Bansal - Dynamics Of Convergence In Indian States In The Post Reforms Period

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Dynamics of Convergence in Indian States in the Post-Reforms Period

Sakshi Bansal

Abstract

Convergence theory of economic growth has important implications for developing countries that strive for balanced growth and sustainability. In every nation, inequalities among regions create tensions in the socio-economic setting, thus creating a challenge for policy makers. The true measurement of convergence is extremely important for a host of economic and political reasons. There are ongoing researches globally that attempt to address the dynamics of convergence which are largely neo-classical convergence hypothesis. In developing countries, including India, the researches have yielded contrasting results owing to the data set and methodologies. We find that researches in India have used either the time series or cross section to estimate convergence and are mostly inconclusive. To address this issue we have attempted a panel co-integration examination of convergence using a large data set that comprise of states together significantly representing the Indian growth story for a period of twenty-six years from 1990-91 to 2020-21 using a relatively wider range of representative socio-economic variables. Results indicate that there is an increasing regional disparity in economic growth of Indian states during the study period. Our finding has direct implications for policy makers to correct the disequilibrium for achieving socio-economic justice.

Key Words: Convergence, Sustainability, Economic Growth, health and education.

JEL Classification: O47, Q56, F43, I1, I2

1. INTRODUCTION

Convergence is an important issue in the current scenario, both across and within economies of developing countries to achieve balanced growth and sustainability in longer periods. The growth of industrialization draws resources from various pockets of the economy and across nations that involve transfer of wealth to the transacting regions and nations leading to disequilibrium and adjusted equilibriums. The notion of convergence thus becomes important to balance out disparities for development and social justice.

We put forth our argument based on neo-classical growth theory that foretells that the poorer economies grow faster than their richer counterparts because of diminishing marginal returns on capital input. Accordingly, a convergence in per capita income over time depending on parametric values is anticipated and which inter-alia assumes technological progress as an exogenous variable. In the case of economies with comparable economic parameters the neo-classical models predict an absolute convergence while different parameter values lead economies to reach steady state at different levels of per capita income. Thus, backward economies record higher growth rates compared to developed ones.

Traditionally, growth theory has emphasized the accumulation of physical capital as a factor of economic growth, at least in the short-run, while exogenous technical progress has been stipulated as the long-run determinant of growth. The exogeneity of technological progress in neoclassical growth theory and the difficulty of explaining long-term economic growth (because in the underlying diminishing returns on physical capital) have restricted its empirical verification.



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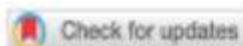
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48. Sakshi Bansal - Role of Fashion Industry and Its Impact on Economy

Research Article 

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Role of Fashion Industry and Its Impact on Economy

Vibha Aggarwal¹, Sakshi Bansal², Deepthi Sethi³

¹Indraprastha College for Women, University of Delhi, INDIA

²Janki Devi Memorial College, University of Delhi, INDIA

*Corresponding Author Email: sakshi@jdm.du.ac.in

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ABSTRACT: The purpose of this study is to ascertain whether a greater understanding of the detrimental environmental repercussions of fast fashion and its possible influence on college students' future shopping behaviour are related. In order to achieve this, we carried out a survey analysis of students' buying habits, taking into account the frequency of their clothing purchases, the popular brands they choose, and impact on environmental and their wardrobe choices. We examined results and their correlations with the fashion motto and their connectivity with clothing purchases, investigated their fast purchasing patterns, and the fashion chosen by individuals. According to our findings, a large number of people are unaware of the negative environmental effects that major brands have unless they are specifically educated about the matter.

KEYWORDS: Environment, Renewable Resources, Non-Renewable resources, Education

1. INTRODUCTION

Fast fashion entails the rapid production of affordable, fashionable clothing that rapidly transitions from fashion shows to retail stores to satisfy consumer preferences. This model emphasizes quick turnover and low prices, allowing fashion retailers to respond swiftly to the latest trends. However, it often involves the use of cheap labour, environmentally harmful practices, and produces a large amount of disposable clothing, contributing to environmental and social issues. The fast fashion industry typically prioritizes speed and cost efficiency over sustainability and ethical considerations.

2. COSTS OF FAST FASHION

Beyond the environmental repercussions of climate change and global warming, an often overlooked yet urgent threat to the environment is the phenomenon of 'fast fashion'. Fast fashion faces noteworthy challenges, particularly in terms of environmental impact. This industry contributes significantly to pollution, such as emission of greenhouse gases and waste, consuming substantial amounts of natural resources such as water, energy, and raw materials in the production of clothes.

According to UN Environment Programme (UNEP), there are massive environmental costs associated with the fast fashion industry. This industry is a second biggest consumer of water and 10 percent of global carbon emissions. The report highlighted that crafting a pair of jeans, from cotton production to the final product's retail delivery, requires 3,781 litres of water—equivalent to the amount an individual typically drinks over three years. The global textile industry emits more greenhouse gases than the emissions generated by shipping and international air travel together. Another estimate by UNCTAD reports that the fashion industry utilizes approximately 93 billion cubic meters of water annually, a quantity sufficient to satisfy the requirements of five million people. Additionally, about half a million tons of microfiber, every year, an amount equivalent to 3 million barrels of oil is being released into the ocean.

Fast fashion extracts a human toll as well. Textile workers, predominantly women in developing nations are the main victims, often settling for meager wages and hefty hours that too under distressing conditions (UNEP, 2018; WRI, 2019). In addition, the chemicals used in clothing production raise serious health concerns



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49. Rajni Kapoor - Rationalising Economic Freedom for enhancing efficiency in the agricultural sector -an empirical analysis

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*Department of Economics, Janki Devi Memorial College, University of Delhi, New Delhi-110 017, India.
2Indian Institute of Forest Management, Bhopal-462 003, Madhya Pradesh, India.



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50. Rajni Kapoor - Analyzing the impact of Economic Freedom on Farm's efficiency - An Empirical Analysis





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Analyzing the impact of economic freedom on farm-level efficiency - An empirical analysis

Oral

Rajni Kapoor

Janki Devi Memorial College, University of Delhi, New Delhi, India

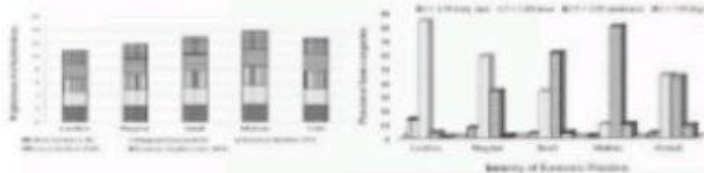
Abstract

This article explores economic freedom in the agricultural sector to analyse its impact on farm-level efficiency. Indeed, freedom is required for growth, development and efficiency. The current study aims to review and estimate economic freedom index for the agricultural sector which is the composite average of labour, financial, technical, and business freedom indexes, measured through primary survey in one of the agricultural leading state of India. A questionnaire was designed to assess qualitative responses of all freedom indexes quantitatively. Principal component analysis is used for reducing the size of data sets by measuring the interrelationships among 20 specified indicators of economic freedom. In the first stage of economic analysis, input-output data (cost and output data) for cereals is collected in the reference year 2020-21. The data is used to quantify farm-level efficiency using the stochastic production frontier. In the second stage of the economic analysis, Tobit framework is used to analyse the impact of freedom indexes on farm efficiency. The result depicts the fact about strong association between size-based different categories of farms and intensity of freedom indexes, although the extent of the freedom indicators varies across farms, it is observed that marginal and medium-sized farms are more efficient than smaller ones.

Nevertheless, a group of farmers have obtained the lowest index of economic freedom index because economic opportunities could not be fully accessed by them. Thus, the paper has created the awareness and responsiveness among the farming community towards freedoms and opportunities provided by the authorities for the growth and development of the agricultural sector.

Keywords: India, economic freedom, agricultural efficiency, policy reforms

Graphs: Farm-wise Weighted Average of all Freedom Indexes



Biography:

Rajni Kapoor has completed her master's, M. Phil in Economics from Kurukshetra University and qualified for the UGC NET examination in 2004. She has been awarded PhD Degree on the topic, 'Economic Freedom in agriculture and farm level efficiency' in April, 2023. Dr. Rajni Kapoor joined University of Delhi, Shaheed Bhagat Singh College as Assistant Professor of Economics in August, 2011 and worked till March, 2023. Currently, she is working as Assistant Professor in Janki Devi Memorial College, University of Delhi. She worked at several reputed AICTE approved management colleges like Asia Pacific Institute of Management (2007-2010), IIM, New Delhi (2010-11) and M.L.N.College, Yamuna Nagar (2001-2007) Haryana. She participated and presented a lot of papers in many national and international conferences throughout her journey of teaching and learning till now. She used to attend POP, Technical sessions, Research Oriented Programs relevant to the field of research. Her research papers are published in SCOPUS, UGC care and good peer-reviewed journals.

Dr. rajnikapoor@jdm.du.ac.in



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51. Rajni Kapoor - Assessing labour freedom in agriculture: Developing world perspective focusing on India

Assessing labour freedom in agriculture: Developing world perspective focusing on India


Nimai Das  Rajni Kapoor

First published: 20 March 2024

<https://doi.org/10.1002/pa.2914>

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Abstract

This piece of work evaluates the choices and opportunities opened up in rural labour market through institutional reforms and developmental policies fostering agricultural growth and efficiency in developing countries, with a focus on India. It finds that policy reforms on property rights, involving legal approvals of land ownership or partial possession with rental contracts, strengthen bargaining capacity



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52. Rajni Kapoor - Agricultural Marketing Reforms to Enhance Business Freedom and Efficiency in the Agricultural Sector- an Empirical Analysis

Rajni Kapoor, Nimai Das

International Journal of Agricultural Science
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Agricultural marketing reforms to enhance business freedom and efficiency in the agricultural sector- An Empirical Analysis

RAJNI KAPOOR*

Department of Economics, Janki Devi Memorial College,
University of Delhi, New Delhi, INDIA

NIMAI DAS

Faculty of Environment and Developmental Economics,
Indian Institute of Forest Management Bhopal
Deemed University, Bhopal, INDIA

*Corresponding author

Abstract: - This research attempts to evaluate business freedom in the agricultural sector as a whole, which is weighted through agricultural marketing reforms, contract farming, market access, food security and liberal trade policies. Business freedom in agriculture is a comprehensive set of agribusiness ideas, options and opportunities opening for the farming community. It encompasses various aspects of the production, processing, and marketing of agricultural products. Freedom to agribusiness involves the management of the entire value chain, from farm to fork. The resolution of trade and transaction-related concerns related to agricultural products through business freedom and opportunities improves farms' efficiency. A developed nation, however, has the option and opportunity to invest in better farm technology and research, while an emerging nation that relies heavily on agriculture needs to expand its technical and marketing structure. Highlighting the significance of Farm Bills, 2020 in the Indian context, that were introduced as marketing reforms in the agricultural sector, the study provides insight to introduce agribusiness freedom and opportunities for small and marginal farmers, merchants, traders, and mills. A primary survey was conducted in one of the agricultural leading states of India. The study has estimated business freedom index using principal component analysis and has investigated how it affects farm-level technical efficiency. Output-oriented efficiency is measured using a data envelopment analysis. The results reveal that the degree of agribusiness freedom and farm size have been found to be positively correlated, while its indicators' extent varies throughout farms. According to technical efficiency estimates, marginal farms are considered to be less efficient than small and medium-sized farms. As per results, the ability to adapt efficient technology is positively and strongly correlated with agribusiness freedoms. The study proposes that in order to improve farm-level efficiency in technology, governments should implement these farm-specific business freedom measures. Therefore, the study has raised knowledge and responsiveness among farming community to embrace for sector expansion and accessibility through innovative farming techniques.

Key-Words: - Marketing, business freedom, efficiency, trade, India

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1 Introduction

Business freedom in agriculture is a comprehensive set of agribusiness ideas, options and opportunities opening for the farming community. It encompasses various aspects of the production, processing, and marketing of agricultural products. Freedom to agribusiness involves the management of the entire value chain, from farm to fork. Previous group of literature examined the provisions of agribusiness, which is contingent to market infrastructure, and lawful improvements [1]. Market access and marketing issues related to farm produce have been reported by several studies [2]. The policy reforms related to trade and protections are emphasized to improve marketing, scale and technical efficiency of

farming [3]. In short, the business freedom in the agricultural sector has a significant role in the supply chain process of the farm products.

The paper identifies marketing policy reforms as the first component of business freedom in agriculture which is required to resolve trade and transactional aspects of a farm product [4]. The marketing reforms promote the big landlords, traders, merchants and new agri startups facilitating trade without any license, cess or fee to transact inter-state or intra-state [5]. Marketing policy reform enable significant advancements in agriculture, which led to the rise of agribusiness. Thus, these reforms have paved the way for the growth of agribusiness.



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Rajni Kapoor, Nimai Das

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In the same way, market access expands opportunities for farmers to reach regional and local markets through investing in cold storage and transportation. Subsequently, agribusiness freedom can be increased by building transaction capabilities of the buyers and sellers while trading the products in an open market and shifting from one state to another for better price options [6]. Only then regulated markets will become more competitive and cooperative for the traders to obtain the benefits of mandi infrastructure [7]. Thus, business freedom explores a good trading environment.

Similarly, liberal trade policies are required to improve the competency level of products and their flow across nations [8]. Tariffs, customs, and non-tariff barriers are reduced, resulting in an increased demand for the product [9]. As well, agribusiness freedom and opportunities expand to set protection policy goals for achieving food self-sufficiency and security by providing region-specific policy changes in tariff and non-tariff barriers [10]. The protection covers the choices of ceiling tariff rates or bound tariffs ensuing special safeguards for products related to food security and self-sufficiency whose non-tariff limits are changed to tariffs in a special emergency package [11].

In this regard, the present study both develop a theoretical model and empirical analysis of how to evaluate the components of business freedom in agriculture and examine its impact on farm-level technical efficiency. A primary survey was conducted in the reference year 2020-21 to get information on size-based different categories of farmers, landless, marginal, small, and medium. Each cultivating household in the village listed in one of the four categories. In this way, a total of 336 farms were randomly selected from villages in the state of Haryana in India. The study covered three districts, namely; Ambala, Karnal and Yamuna Nagar. Cross-sectional data was compiled to analyze the impact of the business freedom index on output-oriented technical efficiency. A scheduled questionnaire was aimed to get responses against each quantifiable component and indicator of business freedom on a four-point assessment scale. We calculated farm level technical efficiency using data envelopment analysis.

The subsequent section defines agribusiness freedom for enhancing technical efficiency in India, next to next section presents data sources and procedures used to measure the agribusiness



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53. Dr Deepak Rawat - Integrating microalgae into textile wastewater treatment processes: Advancements and opportunities

12:06 ↗

4G

Journal of Water Process Engineering

Volume 55, October 2023, 104128

Integrating microalgae into textile wastewater treatment processes: Advancements and opportunities

Vandana Mishra^{a b 1} ✉, Nikhil Mudgal^{a 1},
Deepak Rawat^{a c 1}, Pankaj Poria^a,
Paromita Mukherjee^a, Udita Sharma^a,
Poonam Kumria^d, Balaram Pani^e, Mrinalini Singh^{a d}
, Archana Yadav^{a f}, Furqan Farooqi^a,
Radhey Shyam Sharma^{a g} ✉

- ^a Bioresources & Environmental Biotechnology Laboratory, Department of Environmental Studies, University of Delhi, Delhi 110007, India
- ^b Centre for Interdisciplinary Studies of Mountain & Hill Environment (CISMHE), University of Delhi, Delhi 110007, India
- ^c Department of Environmental Studies, Janki Devi Memorial College (University of Delhi), Delhi 110060, India



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54. Dr Deepak Rawat - Microbial communities drive flux of acid orange 7 and crystal violet dyes in water-sediment system

12:04

4G



Journal of Environmental Management

Volume 351, February 2024, 119699



Research article

Microbial communities drive flux of acid orange 7 and crystal violet dyes in water-sediment system

Paromita Mukherjee^a,

Radhey Shyam Sharma^{a b}  , Deepak Rawat^{a c},

Udita Sharma^a, Swagata Karmakar^d,

Archana Yadav^a, Vandana Mishra^{a e f}  

- ^a Bioresources and Environmental Biotechnology Laboratory, Department of Environmental Studies, University of Delhi, Delhi, 110 007, India
- ^b Delhi School of Climate Change & Sustainability, Institute of Eminence, University of Delhi, Delhi, 110007, India
- ^c Department of Environmental Studies, Janki Devi Memorial College (University of Delhi), New Delhi, 110060, India
- ^d Department of Environmental Studies, Ram



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55. Dr Sana Rehman - It's Not Happening? Understanding the Reality of Climate change sceptics

Volume IV, Perspectives - A Peer-Reviewed, Bilingual, Interdisciplinary E-Journal
<https://perspectives-jdmc.in/>
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It's Not Happening? Understanding the Reality of Climate change sceptics

Sana Rehman, Ph.D

Assistant Professor

Department of Environmental Studies

Janki Devi Memorial College, University of Delhi

&

Anju Gupta, Ph.D

Assistant Professor

Department of Physics

Rajdhani College, University of Delhi



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Abstract

Even if misperceptions and false information persist in clouding the public's comprehension of this intricate problem, climate change continues to rank among humanity's most pressing issues. Global warming, the gradual increase in Earth's average surface temperature, has become one of the most pressing environmental challenges of our time. Despite overwhelming scientific evidence supporting its existence and human causes, there are still misconceptions and myths perpetuated by sceptics and contrarians. In this article, we will address some of the most common myths surrounding global warming and provide scientific evidence to debunk them. This study looks at consensus, the most recent research, and scientific evidence to dispel popular misunderstandings and misconceptions about climate change. We address common misunderstandings and highlight the enormous body of scientific evidence supporting the fact of climate change, from the denial of human-induced warming to false beliefs about climate models and the role of carbon dioxide. Our goal is to improve people's comprehension of climate science and provide them with the tools they need to make educated decisions and take action to address this urgent global issue by providing simple explanations and scientific data.

Keywords: Climate Change, Global Warming, anthropogenic causes, scepticism, myths and misconceptions

Introduction

The history of understanding global warming spans several centuries, from early observations of the greenhouse effect to the contemporary recognition of its anthropogenic causes. In the 19th century, scientists like Joseph Fourier and John Tyndall first proposed the concept of the greenhouse



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effect, demonstrating how certain gases trap heat in Earth's atmosphere (Weart, 2003). Swedish scientist Svante Arrhenius further quantified the greenhouse effect's potential impact on global climate in 1896, hypothesizing that increased CO₂ concentrations from fossil fuel combustion could lead to global warming (Arrhenius, 1896). Throughout the early to mid-20th century scientific understanding of the greenhouse effect continued to advance with researchers like Guy Stewart Callendar demonstrating correlations between rising CO₂ levels and global temperature increases (Callendar, 1938). However, the scientific consensus on climate change was not firmly established during this time, and public awareness remained limited. It wasn't until the late 20th century that climate science began to emerge as a distinct field driven by advances in technology and increased environmental awareness. The establishment of organisations like the Intergovernmental Panel on Climate Change (IPCC) in 1988 provided a platform for international collaboration and the synthesis of climate research (IPCC, 1990). Landmark reports from the IPCC, such as the First Assessment Report in 1990, highlighted the scientific consensus on anthropogenic global warming and its potential consequences. Despite the growing body of scientific evidence supporting the reality of global warming, skepticism and denial persisted into the late 20th century and continue to the present day, fueled by factors such as political ideology, economic interests, and misinformation campaigns. However, in the early 21st century, there was a notable shift towards widespread acceptance of the reality of anthropogenic global warming, driven by increasingly compelling scientific evidence and growing public awareness. International agreements like the Kyoto Protocol (1997) and the Paris Agreement (2015) demonstrated global recognition of the need for collective action on climate change, leading to the implementation of measures to reduce greenhouse gas emissions, promote renewable energy, and adapt to the impacts of climate change.

Despite the vast body of scientific evidence supporting the reality of global warming, a minority of sceptics persist in disputing its existence (Cook et al. 2013). One argument often presented is the notion that global warming is a natural phenomenon rather than a result of human activities. Some



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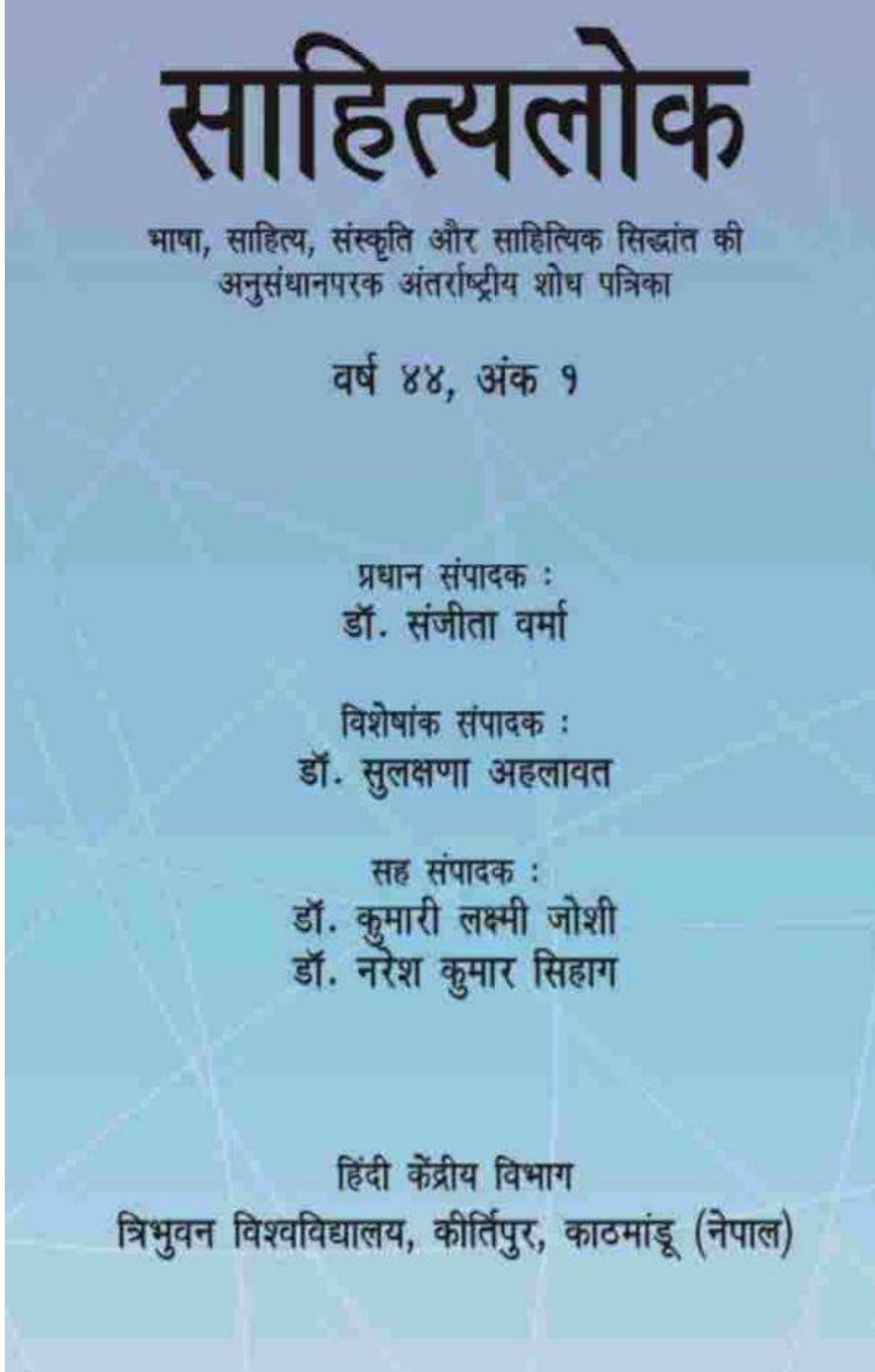
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**56. Sangeeta Gupta - SAMAJIK SANSKRITK PRIVRTAN MAI ANUVAD
KI BHUMIKA**





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आईएसएसएन २७०५.४८१०

साहित्यलोक

भाषा, साहित्य, संस्कृति और साहित्यिक सिद्धांत की
अनुसंधानपरक अंतर्राष्ट्रीय शोध पत्रिका

वर्ष ४४, अंक १

प्रधान संपादक :

डॉ. संजीता वर्मा

विशेषांक संपादक :

डॉ. सुलक्षणा अहलावत

सह संपादक :

डॉ. कुमारी लक्ष्मी जोशी

डॉ. नरेश कुमार सिहाग

हिंदी केंद्रीय विभाग

त्रिभुवन विश्वविद्यालय, कीर्तिपुर, काठमांडू (नेपाल)



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(दिल्ली विश्वविद्यालय)/(University Of Delhi)

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हिन्दी केन्द्रीय विभाग, त्रिभुवन विश्वविद्यालय, कीर्तिपुर, काठमांडू (नेपाल)
समाज कार्य विभाग महात्मा गांधी काशी विद्यापीठ, वाराणसी (भारत)
गुरु विद्यापीठ, रोहतक (भारत) के संयुक्त तत्वावधान में ६-१० जून २०२४ को
“वैश्विक परिदृश्य में भारत एवं नेपाल में सामाजिक परिवर्तन”
विषय पर आयोजित अंतर्राष्ट्रीय संगोष्ठी अंक

सामाजिक सांस्कृतिक परिवर्तन में अनुवाद की भूमिका

प्रोफेसर संगीता गुप्ता

जानकी देवी मेमोरियल कॉलेज, दिल्ली विश्वविद्यालय।

प्रस्तावना :-

सामाजिक परिवर्तन मानव समाज की विभिन्न पहलुओं में निहित बदलाव है। यह बदलाव विभिन्न क्षेत्रों में होते हैं, जैसे राजनीति, अर्थव्यवस्था, सांस्कृतिक परिदृश्य, तकनीकी विकास, और भाषा। सामाजिक परिवर्तन न केवल एक सामाजिक वैज्ञानिक अध्ययन है, बल्कि यह मानव इतिहास के साथ संबंधित भी है। अनुवाद इस परिवर्तन में एक महत्वपूर्ण भूमिका निभाता है। यह न केवल भाषा की अनुवाद न क्षमता को प्रकट करता है, बल्कि सामाजिक, सांस्कृतिक, और आर्थिक प्रभावों का भी परिचय देता है।

बीज शब्द :- सांस्कृतिकता, भूमंडलीकरण, बहुभाषिक, वैश्विक साइबर विलेज, समसिकता।

प्रारूप :

सामाजिक सांस्कृतिक परिवर्तन और भाषाओं का अनुवाद :-

मनुष्यता की दृष्टि से सभी देश व प्रदेश बच के मनुष्य एक ही है पर भौगोलिक, सामाजिक, सांस्कृतिक भाषिक सीमाएं उन्हें एक-दूसरे से अलग कर देती है। मानव मन सीमाओं में बंद कर नहीं रहता। वह सीमाओं को तोड़कर विश्वव्यापी होना चाहता है और इसमें सबसे बड़ा माध्यम अनुवाद है। अनुवाद के माध्यम से अपनी भाषा में अन्य भाषाओं की रचनाओं को पढ़ने का अवसर मिलता है। जिससे व्यक्ति इस निष्कर्ष पर पहुंचता है कि भौगोलिक, सामाजिक, आर्थिक सीमाएं स्वाभाविक नहीं है। यह सभी बनावटी सीमाएं हैं। वास्तव में मनुष्य समाज एक ही है। सुख-दुःख की भाँति मनुष्य ज्ञान को भी दूसरों के साथ बाँट लेना चाहता है। इस प्रक्रिया में कई बार भाषा की सीमाएं सामने आती है इसीलिए अनुवाद। आज ज्ञान विज्ञान के विकास और प्रसार का अनिवार्य साधन बन गया है। अनुवाद के संबंध में विद्वानों ने कई परिभाषाएं भी दी है से अनुवाद का कार्य विश्व को एकसूत्रता में बांधना है। अनुवाद एक जैसे संदर्भ में एक जैसी भूमिका निभाने वाले दो पाठों का संबंध है। एक भाषा के प्रतिकों को दूसरी भाषा के प्रति को में प्रतिबंधित करना अनुवाद है। अनुवाद देश और काल की सीमाओं का अतिक्रमण करके वह भाषिक साधन है। जो सामाजिक सांस्कृतिक विभेदों को दूर कर परस्पर संबंध स्थापित करता है विश्व की अनगिनत भाषाएँ आज अपनी-अपनी संस्कृतियों और जीवन की विधियों को संचालित कर रही हैं। इन विविधताओं में समन्वय अनुवाद के द्वारा

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वर्ष-४४, अंक-१ (जून-२०२४)

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डॉ. वंदना

शोध सार : राष्ट्रीयता सच्चे अर्थों में मानस की संकल्पनात्मक अनुभूति है जो प्रत्येक मनुष्य में देश के प्रति गौरव एवं प्रेम का भाव भर देती है। अतः कहा जा सकता है कि अपने देश और राष्ट्र के विशिष्ट गुणों के प्रति गौरव का भाव एवं उनके अनुरूप अभिव्यक्ति ही राष्ट्रीयता की मूल भावना है। जयशंकर प्रसाद हिंदी साहित्य के ऐसे मूर्धन्य रचनाकार हैं, जिन्होंने हर विधा में अपनी लेखनी चलाई है। काव्य, नाटक, उपन्यास, कहानी, निबंध सभी विधाओं में लिखकर जयशंकर प्रसाद ने हिंदी साहित्य को समृद्ध किया है और प्रसाद की रचनाओं का विषय कभी एक सा भी नहीं रहा। अलग-अलग विषयों पर लिखकर उन्होंने अपनी रचनाओं से जनता में चेतना जगाने का प्रयत्न किया। किन्तु प्रसाद जी की रचनाओं में राष्ट्रीय चेतना का स्वर मुखर रूप में मिलता है, चाहे उनके नाटक हों, कविताएँ हों, कहानियाँ हों अथवा उपन्यास हों। उनकी राष्ट्रीय चेतना इतनी प्रबल थी कि वे इतिहास की गहराई में जाकर देशवासियों को जागृत करने के लिए वहाँ से तथ्य उद्धाटित करते हैं। उनके साहित्य में कितना भी इतिहास का पुट हो, उसका मूल प्रतिपाद्य देशप्रेम एवं राष्ट्रीयता ही रहा है।

बीज शब्द : साहित्य, देशप्रेम, राष्ट्रीयता, काव्य, नाटक, उपन्यास, कहानी, संकल्पनात्मक अनुभूति

मूल आलेख : भारत में 'राष्ट्र' शब्द का प्रयोग प्राचीनकाल से होता रहा है। यह शब्द क्रमशः वेदों, महाभारत, शुकनीति और कौटिल्य के अर्थशास्त्र में भी मिलता है। वर्तमान में 'राष्ट्र' शब्द का प्रयोग अंग्रेजी के 'नेशन' के पर्याय के रूप में किया जाता है। जहाँ एक ओर जॉन गिल क्राइस्ट ने 'नेशन' शब्द की व्युत्पत्ति लेटिन भाषा के 'नेट्स' शब्द से मानी है वहीं दूसरी ओर श्री बोरजेस ने राष्ट्रवाद के मूल में अंग्रेजी के 'नेचर' शब्द को स्वीकार किया है। उनके अनुसार 'मानव मन प्रकृतितः सामूहिकता की ओर प्रवृत्त होता है, यही प्रवृत्ति विकसित होकर राष्ट्र के रूप में सामने आती है।'

जिर्मन के शब्दों में 'ऐसा जन-समूह जो विशिष्ट भू-भाग के प्रति तीव्रता, अंतरंगता और गौरव की संसृष्ट भावना से संयुक्त हो, राष्ट्र है।'² डॉ. सुधींद्र के शब्दों में 'भूमि, भूमि-वासी जन और जन-संस्कृति तीनों के सम्मिलन से राष्ट्र का स्वरूप बनता है। भूमि अर्थात् भौगोलिक एकता, जन अर्थात् जनगण की राजनैतिक एकता और जन सांस्कृतिक अर्थात् सांस्कृतिक एकता तीनों के समुच्चय का नाम राष्ट्र है। राष्ट्र में भौगोलिक, राजनैतिक और सांस्कृतिक इकाइयाँ पूँजीभूत हैं।'³ इस प्रकार राष्ट्र की संज्ञा हम ऐसे भू-भाग को दे सकते हैं जिसमें रहने वाले लोगों के मध्य ऐसी एकता की भावना हो जिसके कारण वे अपने आप को एक पृथक सत्ता के रूप में अनुभव करते हों। राष्ट्रीयता का संबंध जन-मानस की भावना से है। किसी भू-भाग में निवास



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जयशंकर प्रसाद के साहित्य में राष्ट्रीय चेतना

डॉ. वंदना

शोध सार : राष्ट्रीयता सच्चे अर्थों में मानस की संकल्पनात्मक अनुभूति है जो प्रत्येक मनुष्य में देश के प्रति गौरव एवं प्रेम का भाव भर देती है। अतः कहा जा सकता है कि अपने देश और राष्ट्र के विशिष्ट गुणों के प्रति गौरव का भाव एवं उनके अनुरूप अभिव्यक्ति ही राष्ट्रीयता की मूल भावना है। जयशंकर प्रसाद हिंदी साहित्य के ऐसे मूर्धन्य रचनाकार हैं, जिन्होंने हर विधा में अपनी लेखनी चलाई है। काव्य, नाटक, उपन्यास, कहानी, निबंध सभी विधाओं में लिखकर जयशंकर प्रसाद ने हिंदी साहित्य को समृद्ध किया है और प्रसाद की रचनाओं का विषय कभी एक सा भी नहीं रहा। अलग-अलग विषयों पर लिखकर उन्होंने अपनी रचनाओं से जनता में चेतना जगाने का प्रयत्न किया। किन्तु प्रसाद जी की रचनाओं में राष्ट्रीय चेतना का स्वर मुखर रूप में मिलता है, चाहे उनके नाटक हों, कविताएँ हों, कहानियाँ हों अथवा उपन्यास हों। उनकी राष्ट्रीय चेतना इतनी प्रबल थी कि वे इतिहास की गहराई में जाकर देशवासियों को जागृत करने के लिए वहाँ से तथ्य उद्धाटित करते हैं। उनके साहित्य में कितना भी इतिहास का पुट हो, उसका मूल प्रतिपाद्य देशप्रेम एवं राष्ट्रीयता ही रहा है।

बीज शब्द : साहित्य, देशप्रेम, राष्ट्रीयता, काव्य, नाटक, उपन्यास, कहानी, संकल्पनात्मक अनुभूति

मूल आलेख : भारत में 'राष्ट्र' शब्द का प्रयोग प्राचीनकाल से होता रहा है। यह शब्द क्रमशः वेदों, महाभारत, शुक्नीति और कौटिल्य के अर्थशास्त्र में भी मिलता है। वर्तमान में 'राष्ट्र' शब्द का प्रयोग अंग्रेजी के 'नेशन' के पर्याय के रूप में किया जाता है। जहाँ एक ओर जॉन गिल क्राइस्ट ने 'नेशन' शब्द की व्युत्पत्ति लेटिन भाषा के 'नेटस' शब्द से मानी है वहीं दूसरी ओर श्री बार्जेस ने राष्ट्रवाद के मूल में अंग्रेजी के 'नेचर' शब्द को स्वीकार किया है। उनके अनुसार 'मानव मन प्रकृतितः सामूहिकता की ओर प्रवृत्त होता है, यही प्रवृत्ति विकसित होकर राष्ट्र के रूप में सामने आती है।'

जिर्मन के शब्दों में 'ऐसा जन-समूह जो विशिष्ट भू-भाग के प्रति तीव्रता, अंतरंगता और गौरव की संसृष्ट भावना से संयुक्त हो, राष्ट्र है।'² डॉ. सुधींद्र के शब्दों में 'भूमि, भूमि-वासी जन और जन-संस्कृति तीनों के सम्मिलन से राष्ट्र का स्वरूप बनता है। भूमि अर्थात् भौगोलिक एकता, जन अर्थात् जनगण की राजनैतिक एकता और जन सांस्कृतिक अर्थात् सांस्कृतिक एकता तीनों के समुच्चय का नाम राष्ट्र है। राष्ट्र में भौगोलिक, राजनैतिक और सांस्कृतिक इकाइयाँ पूँजीभूत हैं।'³ इस प्रकार राष्ट्र की संज्ञा हम ऐसे भू-भाग को दे सकते हैं जिसमें रहने वाले लोगों के मध्य ऐसी एकता की भावना हो जिसके कारण वे अपने आप को एक पृथक सत्ता के रूप में अनुभव करते हों। राष्ट्रीयता का संबंध जन-मानस की भावना से है। किसी भू-भाग में निवास



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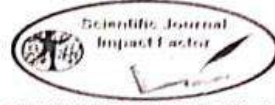
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प्रो. शैलेन्द्रकुमार शर्मा

कुलानुशासक एवं हिन्दी विभागाध्यक्ष
विक्रम विश्वविद्यालय, उज्जैन, मप्र.

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डॉ. मोहन बैरागी

अक्षरवार्ता अंतरराष्ट्रीय शोध पत्रिका

संपादक मंडल

प्रो. जगदीशचन्द्र शर्मा, प्राध्यापक
विक्रम विश्वविद्यालय, उज्जैन, मप्र.
प्रो. राजश्री शर्मा, प्राध्यापक
माधव महाविद्यालय, उज्जैन, मप्र.
प्रो. डी. डी. बेदिया, विभागाध्यक्ष
पं. जवाहर लाल नेहरू व्याख्यास्य प्रबंध
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युनिवर्सिटी, उज्जैन, मप्र.
डॉ. शशि रंजन 'अकेला' जनसंपर्क

अधिकारी, आरजीपीवी, भोपाल, मप्र.
प्रो. उमापति दिक्षित, प्राध्यापक
केंद्रीय हिन्दी संस्थान, अग्रा, उप्र.
प्रो. मोहसिन खान, विभागाध्यक्ष
शासकीय महाविद्यालय, रायगढ़, महाराष्ट्र
डॉ. दिग्विजय शर्मा, सहायक प्राध्यापक
केंद्रीय हिन्दी संस्थान, अग्रा, उप्र.
डॉ. भेरूलाल मालवीय, सहायक प्राध्यापक
शा. नवीन महाविद्यालय, शाजापुर, मप्र.

डॉ. उपेन्द्र भार्गव, सहायक प्राध्यापक
महर्षि पाणिनि विश्वविद्यालय, उज्जैन, मप्र.
डॉ. रूपाक्षी सारथे, सहा. प्राध्यापक
भाषा विभाग, देवी अहिल्या वि.वि., इंदौर
डॉ. अतनीश कुमार अस्थाना, एसो. प्रोफेसर,
डॉ. एपीजे अब्दुल कलाम वि.वि, इंदौर, मप्र.
डॉ. पराक्रम सिंह, के.हि.सं., दिल्ली

विशेषज्ञ समिति

डॉ. सुरेशचन्द्र शुक्ल 'शरद आलोक' (नर्वे),
श्री शेर बहादुर सिंह (यूएसए), डॉ. रामदेव धुरंधर (मैरीशस),
डॉ. स्नेह ठाकुर (कनाडा) डॉ. जय वर्मा (यू.के.), प्रो. गुणशेखर गंगाप्रसाद शर्मा (चीन), डॉ. अलका धनपत (मैरीशस),
प्रो. टी. जी. प्रभाकर प्रेमी (बैंगलुरु), प्रो. अब्दुल अलीम (अलीगढ़), प्रो. आरसु (कालिकट), डॉ. रवि शर्मा (दिल्ली),
डॉ. सुधीर सोनी (जयपुर), डॉ. अनिल सिंह (मुंबई),
डॉ. तुलसीदास परौह, महर्षि पाणिनि संस्कृत विश्वविद्यालय, उज्जैन, मप्र.

सह संपादक

डॉ. उषा श्रीवास्तव (कर्नाटक), डॉ. मधुकांता समाधिया
(उत्तर प्रदेश), डॉ. अनिल जूनवाल (मप्र), डॉ. प्रणु शुक्ला (राजस्थान), डॉ. मनीष कुमार मिश्रा (मुम्बई/वाराणसी), डॉ. पवन व्यास (उड़ीसा), डॉ. गोविंद
नंदाणिया (गुजरात), डॉ. रत्ना कुशवाह, (अंडमान निकोबाद), प्रो. डॉ. किरण खन्ना (अमृतसर, पंजाब)

आवरण चित्र - इंटरनेट से सामान

नोट :- अक्षरवार्ता में सभी पद मान्य व अवैतनिक है। शोध पत्रिका में प्रकाशित सभी लेखों में लेखकों के अपने विचार है, संपादक मंडल का इससे सहमत होना आवश्यक नहीं है।



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आदि के लिए अक्षर वार्ता अंतरराष्ट्रीय शोध पत्रिका एवं संस्था कृष्ण वसंती
शैक्षणिक एवं सामाजिक जनकल्याण समिति, उज्जैन, मप्र. एम ओ यू हस्तप्रक्षरित।



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संपादकीय

भारतीय संस्कृति व सभ्यता विश्व की सर्वाधिक प्राचीन एवं समृद्ध संस्कृति व सभ्यता है। इसे विश्व की सभी संस्कृतियों की जननी माना जाता है। जीने की कला हो, विज्ञान हो या राजनीति का क्षेत्र भारतीय संस्कृति का सदैव विशेष स्थान रहा है। अन्य देशों की संस्कृतियों तो समय की धारा के साथ-साथ नष्ट होती रही हैं किंतु भारत की संस्कृति व सभ्यता आदिकाल से ही अपने परंपरागत अस्तित्व के साथ अजर-अमर बनी हुई है।

संस्कृति किसी भी देश, जाति और समुदाय की आत्मा होती है। संस्कृति से ही देश, जाति या समुदाय के उन समस्त संस्कारों का बोध होता है जिनके सहारे वह अपने आदर्शों, जीवन मूल्यों, आदि का निर्धारण करता है। अतः संस्कृति का साधारण अर्थ होता है-संस्कार, सुधार, परिष्कार, शुद्धि, सजावट आदि। आज के समय में सभ्यता और संस्कृति को एक-दूसरे का पर्याय समझा जाने लगा है जिसके फलस्वरूप संस्कृति के संदर्भ में अनेक भ्रांतियाँ पैदा हो गई हैं। लेकिन वास्तव में संस्कृति और सभ्यता अलग-अलग होती हैं। सभ्यता का संबंध हमारे बाहरी जीवन के ढंग से होता है यथा- खान-पान, रहन-सहन, बोलचाल आदि जबकि संस्कृति का संबंध हमारी सोच, चिंतन और विचारधारा से होता है। संस्कृति का क्षेत्र सभ्यता से कहीं अधिक व्यापक और गहन होता है। सभ्यता का अनुकरण किया जा सकता है लेकिन संस्कृति का अनुकरण नहीं किया जा सकता है।

उपर्युक्त अंतर से स्पष्ट है कि दोनों के क्रियाकलाप अलग-अलग हैं और दोनों परस्पर जुड़े हुए भी हैं। सभ्यता में मनुष्य के राजनीतिक, प्रशासनिक, आर्थिक, प्रौद्योगिकीय व दृश्य कला रूपों का प्रदर्शन होता है जो जीवन को सुखमय बनाने में महत्वपूर्ण भूमिका निभाते हैं। जबकि संस्कृति में कला, विज्ञान, संगीत, नृत्य और मानव जीवन की उच्चतर उपलब्धियाँ सम्मिलित हैं। अतः यही कहा जा सकता है कि सभ्यता वह है जो हम बनाते हैं तथा संस्कृति वह है जो हम हैं।

भारतीय संस्कृति विश्व की प्राचीनतम संस्कृतियों में से एक है। यह माना जाता है कि भारतीय संस्कृति यूनान, रोम, मिस्र, सुमेर और चीन की संस्कृतियों के समान ही प्राचीन है। कई भारतीय विद्वान तो भारतीय संस्कृति को विश्व की सर्वाधिक प्राचीन संस्कृति मानते हैं। भारतीय संस्कृति का सर्वाधिक व्यवस्थित रूप हमें सर्वप्रथम वैदिक युग में प्राप्त होता है। वैदिक विश्व के प्राचीनतम ग्रंथ माने जाते हैं। प्रारंभ से ही भारतीय संस्कृति अत्यंत उदात्त, समन्वयवादी, सशक्त एवं जीवंत रही हैं, जिसमें जीवन के प्रति वैज्ञानिक दृष्टिकोण तथा आध्यात्मिक प्रवृत्ति का अद्भुत समन्वय पाया जाता है। भारतीय विचारक आदिकाल से ही संपूर्ण विश्व को एक परिवार के रूप में मानते रहे हैं इसका कारण उनका उदार दृष्टिकोण है। हमारे विचारकों की 'उदारचरितानां तु वसुधैव कुटुंबकम्' के सिद्धांत में गहरी आस्था रही है। वस्तुतः शारीरिक, मानसिक और आत्मिक शक्तियों का विकास ही संस्कृति की कसौटी है। इस कसौटी पर भारतीय संस्कृति पूर्ण रूप से उतरती है। प्राचीन भारत में शारीरिक विकास के लिये व्यायाम, यम, नियम, प्राणायाम, आसन ब्रह्मचर्य आदि के द्वारा शरीर को पुष्ट किया जाता था। लोग दीर्घ जीवी होते थे। आश्रम व्यवस्था का पालन करते हुए धर्म, अर्थ, काम और मोक्ष की प्राप्ति भारतीय संस्कृति का मूल मंत्र रहा है। प्राचीन भारत के धर्म, दर्शन, शास्त्र, विद्या, कला, साहित्य, राजनीति, समाजशास्त्र इत्यादि में भारतीय संस्कृति के सच्चे स्वरूप को देखा जा सकता है।

भारतीय समाज में मानव संस्कृति ऐसे सिद्धांतों पर आश्रित है जो प्राचीन होते हुए भी नये हैं। ये सिद्धांत किसी देश या जाति के लिये नहीं अपितु समस्त मानव जाति के कल्याण के लिये हैं। इस दृष्टि से भारतीय संस्कृति को सच्चे अर्थ में मानव संस्कृति कहा जा सकता है। मानवता के सिद्धांतों पर स्थित होने के कारण ही तमाम आघातों के बावजूद भी यह संस्कृति अपने अस्तित्व को सुरक्षित रख सकी है। यूनानी, पार्शियन, शक आदि विदेशी जातियों के हमले, मुगलों और अंग्रेजों साम्राज्यों के आघातों के बीच भी यह संस्कृति नष्ट नहीं हुई। अपितु प्राणशीलता के अपने स्वभावगत गुण के कारण और अधिक पुष्ट एवं समृद्ध हुई।

भारतीय संस्कृति का नूतन आयाम ब्रिटिश साम्राज्य की नींव के साथ प्रारंभ हुआ। इस काल में सभ्यता ने संस्कृति को दबाने की चेष्टा की अतः संस्कृति का यथार्थ स्वरूप उभर नहीं सका। इस युग में सामाजिक आचार-विचार पर पश्चिमी संस्कृति का प्रभाव पड़ा। संयुक्त कुटुंब प्रथा के स्थान पर परिवारों का पुथक्करण होने लगा। धर्मनिरपेक्षता के सिद्धांत ने धर्म को पीछे धकेल दिया। विज्ञान ने ज्ञान के अपेक्षित स्वरूप की अपेक्षा कर दी भौतिकवाद उभरकर सामने आया और भारतीयों का सांस्कृतिक दृष्टिकोण अपने मूल लक्ष्य से भटक गया। आधुनिकतावाद की अवधारणा का समाज में आना आसान हो गया। वैधुकरण और अधुनिकरण के मध्य में गहरा संबंध है। जब भारतीय संस्कृति का स्वरूप आधुनिक हो गया तब निश्चित दिशा में होने वाले परिवर्तन भी दिखाई देने लगे। बुद्धिवाद, विवेकीकरण और उपयोगितावाद आदि दर्शन का उदय संस्कृति का नया स्वरूप बन गया जिसमें प्रगति की आकांक्षा, विकास की आशा और परिवर्तन के अनुरूप अपने आपको ढालने का गुण होता है। आधुनिकता की जड़ें यूरोपीय पुनर्जागरण से जुड़ी हैं। यूरोपीय पुनर्जागरण में नए-नए अन्वेषण और अविष्कार हुए, धर्म और दर्शन का नया संस्करण सामने आया। कला और विज्ञान के नवीन साधना का श्रीगणेश हुआ, राजनीतिक तथा समाज व्यवस्था में मौलिक क्रांति का सूत्रपात हुआ। अतः इसके परिणामस्वरूप पश्चिमी यूरोप एवं एशिया (भारत) में एक नवीन चेतना का संचार हुआ। प्रौद्योगिकी विकास, विवेकीकरण एक तर्जना आदि द्वारा सभी क्षेत्रों में बुनियादी परिवर्तन हुए जिसके परिणामस्वरूप समाज की एक विशिष्ट स्थिति को प्रदर्शित करने वाली अवधारणा बनी। महिला को उचित स्थान मिला। अर्थात् बदली हुई संस्कृति में महिलाओं के प्रति सोच बदली अब उसे सशक्तिकरण की ओर ले जाने के प्रयास किये जाने लगे। कई आंदोलन व चर्चाओं का सहारा लिया गया। इस प्रकार सांस्कृतिक, मानववादी व व्यक्तिवादी स्वरूप देखने को मिला। मानव के विकासशील एवं सृजनात्मक स्वभाव पर बल देते हुए धर्म एवं तर्क, विज्ञान एवं धर्म का ही नहीं, वरन् एवं प्राच्य एवं पाश्चात्य विचारधाराओं के समन्वय का प्रयास किया गया। संस्कृति के नए स्वरूप में गाँवों की संस्कृति को छोड़कर शहरीकरण देखा गया। इस पर विशेष ध्यान दिया जाने लगा। शहरीकरण से पलायन भी देखा गया। इस प्रकार लोग पुरानी संस्कृति को छोड़कर आधुनिक संस्कृति को अपनाने लगे।

अतः यह स्पष्ट रूप से उल्लेखनीय है कि भारत में कभी भी एक ही संस्कृति पूर्ण रूप से व्याप्त नहीं रही और न ही शायद किसी भी बड़े प्रदेश में कभी एक ही संस्कृति रही है। इस देश में आध्यात्मिक संस्कृति की प्रमुखता रही है। अतः संस्कृति में बदलाव निरंतर रहेगा।

जिला सिरमौर के हाटी समुदाय की नारी (पौराणिक एवं वर्तमान सन्दर्भ में)

सरला कुमारी

शोधार्थी, समाजशास्त्र विभाग, मानविकी एवं सामाजिक विज्ञान संकाय, आई.ई.सी विश्वविद्यालय, बद्दी, सोलान, हिमाचल प्रदेश

नारी विधाता की कमनीय कृति और मनुष्य के इतिहास की जननी है। नारी एक ऐसी शक्ति है जो समाज को अनेक रूप प्रदान कर सकती है। देव से लेकर मानव तक सभी एक नारी की कोख से ही जन्म लेते हैं। वीर-महावीर, योद्धा, महापुरुष सभी एक नारी की गोद में खेले हैं। भारतीय समाज के विकास एवं प्रगति में नारी महत्वपूर्ण भूमिका निभाती है। नारी बिना विकसित तथा समृद्ध समाज की कल्पना नहीं की जा सकती। जन्म से लेकर मृत्यु तक नारी हर रूप में अपने कर्तव्यों का पालन करती है। आदिकाल से भारत में नारी को विशेष स्थान दिया गया है। अनेक ग्रंथों में उल्लेख है कि प्रचीन काल से नारी को पूजनीय माना जाता है और हर रूप में उसका गुणगान किया गया है। यह भी माना गया है कि नारी ही सर्वश्रेष्ठ रत्न है, जहां नारी का आदर होता है वहां देवताओं का वास होता है इस पुरुष प्रधान देश में स्त्रियों की ऐतिहासिक स्थिति का 'भारत के आदिनिवासियों का इतिहास' पुस्तक में उल्लेख है- भारत की स्त्रियों पर बहुत प्रतिबंध और अयोग्यता लादी गई थी अतः भारत के सभी धार्मिक और सामाजिक सुधारकों ने स्त्रियों को शताब्दियों पुरानी रूढ़ियों व असमर्थताओं की बेड़ियों से मुक्त कराने के प्रयत्न किये। भारत में राष्ट्रीय आंदोलन ने भी स्त्रियों के उत्थान के लिए मार्ग प्रशस्त किया और मध्यवर्ग की बहुत सी महिलाओं ने शिक्षा प्राप्त कर कांग्रेस दल में उच्च स्थान प्राप्त किए। भारतीय समाज में हर युग में जहां नारी का सम्मान हुआ वहां अज्ञानता, गरीबी, शोषण, दासता, सती प्रथा, दहेज प्रथा, बाल विवाह, लिंग भेद, भ्रूण हत्या इत्यादि जैसी रूढ़ियों से अपमानित भी हुईं और जहां भी नारी का अपमान हुआ वहां के परिणाम भी भयानक हुए हैं। भारतीय समाज में नारी की महत्ता की निरन्तरता में जिला सिरमौर के हाटी समुदाय की नारियों के जीवन को उल्लिखित करना अत्यंत आवश्यक है क्योंकि शायद ही इनका उल्लेख किसी पुस्तक में हो।

हिमाचल प्रदेश के जिला सिरमौर में बसता हाटी समुदाय की सभ्यता और संस्कृति देश तथा राज्य के अन्य समुदायों से काफी पिछड़ी व भिन्न प्रकार की है। इस समुदाय की नारियां कई योद्धाओं, सतियों एवं वीरांगनाओं की जननी हैं। 'हिमाचल गिरिपार का हाटी समुदाय' पुस्तक में उल्लेख है- सिरमौर वीरों व वीरांगनाओं की धरती है, जहां मदना, कमना, सामा, सिन्धु, छिछ्र, नंतराम व जगदेव जैसे वीर हुए, जिन्होंने अपनी आन व शान के लिए जान दे दी, वहीं यह क्षेत्र मैना सूरमी, बिंवी, गाथू जैसी सतियों का रह है। सिरमौर में आज भी योद्धाओं, सतियों व वीरांगनाओं पर अनेक गाथायें गायी जाती हैं। उपरोक्त उल्लेख से ज्ञात होता है कि सिरमौर भूमि के वीर, योद्धा, सतियों, वीरांगनाएं आदि हाटी समुदाय की नारियों की कोख से ही जन्मे हैं। इसके अतिरिक्त इस समुदाय की नारी हर रूप में अपनी

महत्वपूर्ण भूमिका निभाती है। अधिकतर नारियां गृह जीवन ही यापन करती हैं। वे जन्म से ही कठोर परिश्रमी होती हैं। उनका सम्पूर्ण जीवन खेत-खलिहान, चूल्हा-चौका, गाय-गोबर आदि कार्यों में ही व्यतीत होता है। वे खेतों में काम करके दिहाड़ी कमाती हैं और अधिकतर फसलें-अनेक किस्म की दालें, फल, सब्जियाँ इत्यादि अपने ही खेतों में उगाती हैं। बहुत ही कम संख्या में जिसका उत्पाद आस-पास न होता हो उन्हीं वस्तुओं जैसे- कपड़े, नमक, गुड़ इत्यादि के लिए ही बाहर के अन्य बाजारों से खरीददारी करने की उन्हें आवश्यकता पड़ती है। अधिकतर नारियां दिहाड़ी कमा कर ही अपने परिवार का पालन-पोषण करती हैं। वे अपने परिवार की रीढ़ होती हैं और अपने परिवार की खुशियों जुटाने के लिए सदैव समर्पित रहती हैं।

हाटी समुदाय में धार्मिक अनुष्ठानों, मेलों-उत्सवों, तीज-त्योहारों एवं अन्य समारोह के अवसर पर नारियां ही घर के सभी कार्यों को करती हैं। सिरमौर के महत्वपूर्ण त्योहार के विषय में सुदर्शन वशिष्ठ लिखते हैं- सिरमौर में बुढ़ी दिवाली का त्योहार एक महत्वपूर्ण त्योहार है। दीवाली के एक मास बाद मनाया जाने वाला यह त्योहार एक सप्ताह तक चलता है। मुख्य त्योहार से एक सप्ताह पूर्व कन्याएं घरों के सांझे आंगन में गीत गाती हैं। यदि कन्याएं गीत न गाएं तो देवता नाराज हो जाते हैं। सिरमौर जिला का मुख्य त्योहार 'बुढ़ी दिवाली' हर्षोउल्लास के साथ मनाया जाता है। यह दिवाली त्योहार के ठीक एक माह बाद मनाया जाता है। इस त्योहार के आरम्भ होने से चार-पाँच दिन पूर्व विवाहिता बेटियों मायके आती हैं और एक विशेष गान 'भिंऊरी' की प्रस्तुति देती है। इनके साथ-साथ अविवाहिता बेटियों के गान का रिवाज भी आम है, जिसे अति शुभ माना जाता है। इस त्योहार के अतिरिक्त यदि अन्य त्योहारों की बात की जाए तो हाटी समुदाय की नारियां प्रत्येक अवसर पर अपनी उपस्थिति देती हैं। माघी त्योहार के बारे में सुदर्शन वशिष्ठ लिखते हैं कि इस दिन लोग नये कपड़े पहन नावते-गाते हैं-

ओटे रे सौकुलो दे ताइबरे मोरे रे लाइबरे।

रुआणी घ्याहणिये कोटे पाणे रे लोईरे शोणे नी लोईरे।

प्रत्येक त्योहारों के अवसर की भांति माघी त्योहार में भी अनेक प्रकार के पकवान बनाए जाते हैं, जिनमें मुख्य हैं-खेड़ा, सुतौले, खीर-पटाण्डे, बिलोम, लुहश्के, बेड़ोली, तेलपाकी, चिल्टे, पोली, सिडकू, खोबले, उलीले, चुले, धरोटी, दाल-भात, अस्कोली, टिडके, डोणे इत्यादि। ये पकवान घर की स्त्रियों द्वारा ही बनाए जाते हैं। इन पकवानों को बनाने के लिए उन्हें चाहे जितना भी समय लगे वे लगाती हैं ताकि उनके परिवार एवं त्योहारों में उपस्थित सभी लोग भोजन का आनन्द ले सकें। हाटी परिवारों में ऐसी मान्यता है कि घर की स्त्रियों द्वारा बनाया गया भोजन स्वच्छ व पीठिक होता है। खान-



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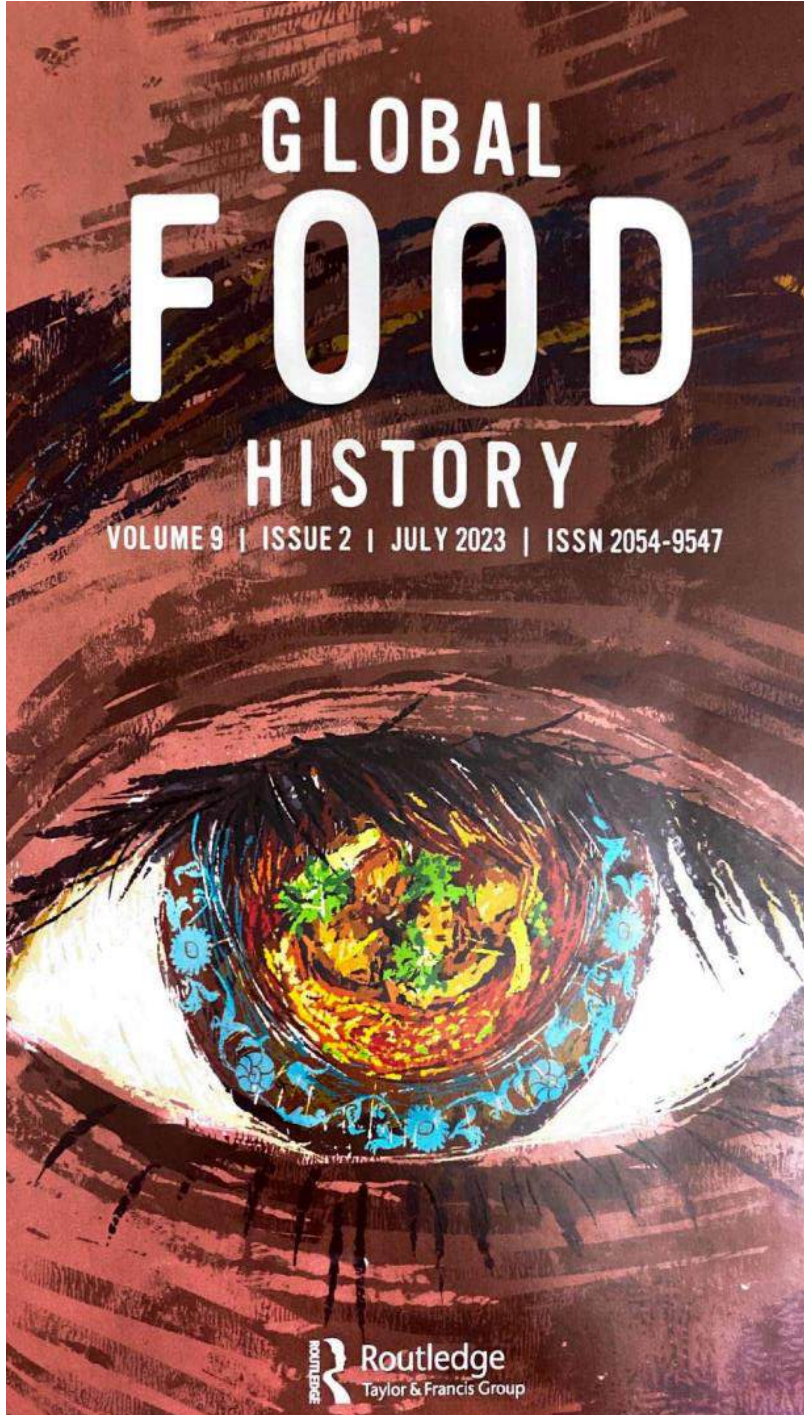
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60. SAUMYA GUPTA - Culinary Codes for an Emergent Nation: Prescriptions from Pak Chandrika, 1926'





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Culinary Codes for an Emergent Nation: Prescriptions from *Pak Chandrika*, 1926

Saumya Gupta

JDM College, University of Delhi, Delhi, India

ABSTRACT

Cuisines are never neutral, innocent concoctions, but products of dominant ideologies and power structures. This paper explores culinary codes advanced by popular Hindi cookbooks from the early twentieth century to see how they re-define the kitchen and the culinary world of urban, middle-class Hindu families. Focusing especially on *Pak Chandrika*, a cookbook published from Allahabad in 1926, the paper argues that these Hindi cookbooks contributed to the residual ground – especially in relation to the intimate, the everyday and the comestible – that potentially fed into the emergent nationalism in early twentieth century north India.

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KEYWORDS

Hindi cookbooks;
vegetarianism; domesticity;
nationalism

In the imagining of nations, culinary tropes make the imagination intimate. They bring with them the intimacy of the familiar and the everyday that resides in the cultural memory of a people. The challenge is usually two-fold: to mark up the routine as ritual, and then to claim the ritual as essential for the full realization of the nation. This was no easy task in light of the overwhelming diversity of cuisines and foodways of India, and the notion of a representative Indian cuisine therefore justifiably remained an objective not easy to conceive, and very difficult to achieve.¹ Possibly, the first scholarly notice of the construction of an Indian national cuisine was taken by Arjun Appadurai, who credited the “post-industrial, postcolonial ... spatially mobile, multi-ethnic, multi-caste, polyglot professional middle class with Westernized tastes” for fashioning out a national cuisine.² Thus, an Indian cuisine was devised by picking and choosing different recipes from a diverse range of regional and local culinary traditions, much like the Indian nation itself had been imagined and indeed brought into being as a federal entity, superimposed over its many regional distinctions.

Veering away from this salad-bowl description of national cuisine, this paper is concerned with the imagining of the Indian nation in the Hindi heartland from the first half of the twentieth century.³ Within the Hindi heartland, the state of Uttar Pradesh (UP, colonial United Provinces) claims a privileged position exhibiting the core ideas of language, religion, and culture idealized in Hinduism. Supposedly the site of the legendary *Aryavarta*, a land inhabited by the *Aryas* (“the noble ones”), spatially spread between the rivers Ganga and the Yamuna, and socially described as where “the norms of *varna* and *asrama* were observed,”⁴ the region has constantly been the center of various empires

CONTACT Saumya Gupta  saumya.saumyagupta@gmail.com  JDM College, University of Delhi, Delhi, India

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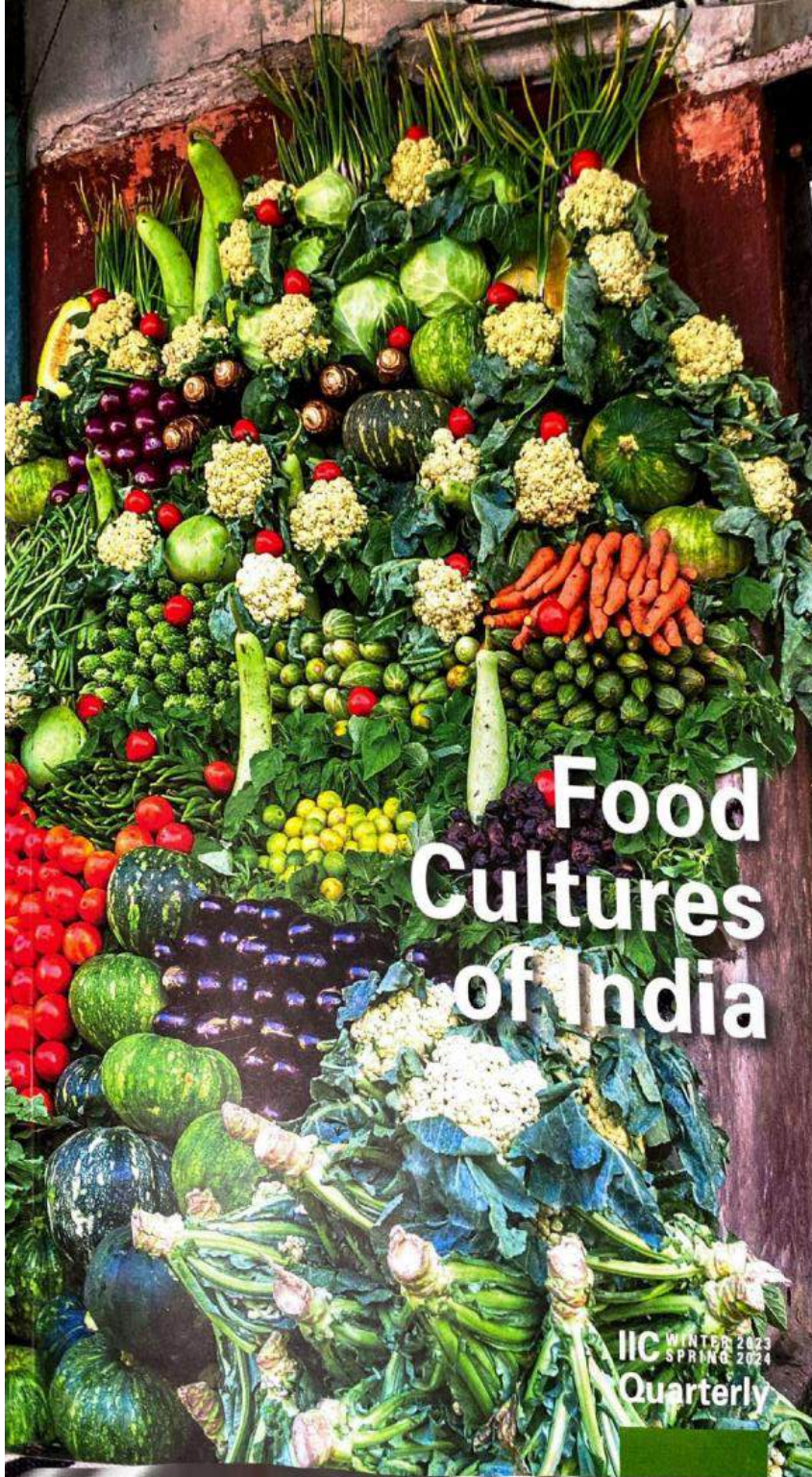
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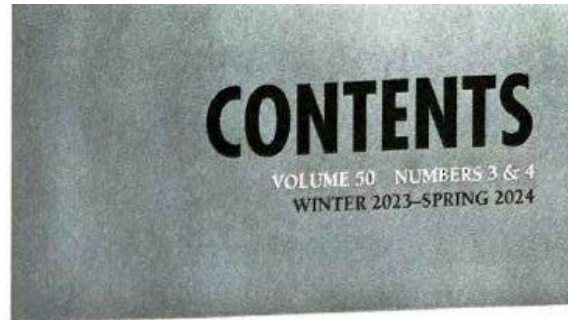
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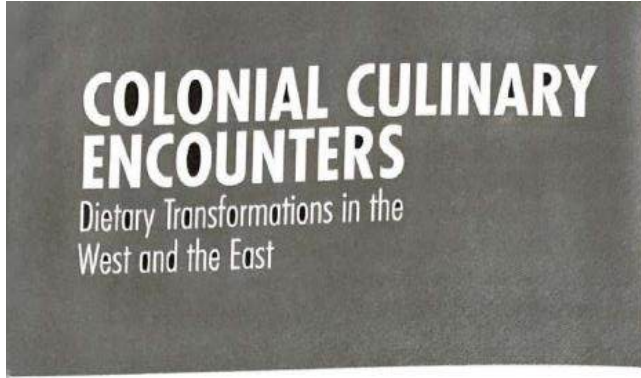
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SAUMYA
GUPTA

In his Introduction to *Popular Religion and Folklore of Northern India*, celebrated colonial ethnographer William Crooke noted that along with onions and turnips, the Brahmans and Rajputs also objected to potatoes, and refused to consume them (Crooke, 1894: 288–89). Local ethnographic accounts from the late 19th century also list the potato as a foreign vegetable (*vilayati tarkari*), generally avoided by Hindus (Lal, 1875: 33). These ethnographers—colonial as well as Indian—would have had no clue that in the next hundred years or so, the *foreign* potato was going to conquer the culinary world of the vegetarian and fastidious Hindu, especially if one thinks of the varieties of ‘fasting’ foods that involve potato! As Jeffrey Pilcher has noted, the most basic associations of culinary identity are historical artefacts, often of surprisingly recent vintage (Pilcher, 2005: 2).

Food was among the prime drivers of colonialism. As Europeans mastered the seas and conquered the Americas and Asia, they changed how the world ate. From the 17th century onwards, colonialism became the primary agency, via media, of a constant and continuous culinary transformation and food became a prominent material medium for the enactment of colonialism. Contemporary foodways and identities worldwide are in large measure the product of a long history of colonial encounters. Colonies evolved into more than just points of contact between the West and the East; they became domains where European powers could exploit land, labour and resources unchecked. Additionally, colonies gave European merchants special advantages in terms of access to markets. These markets

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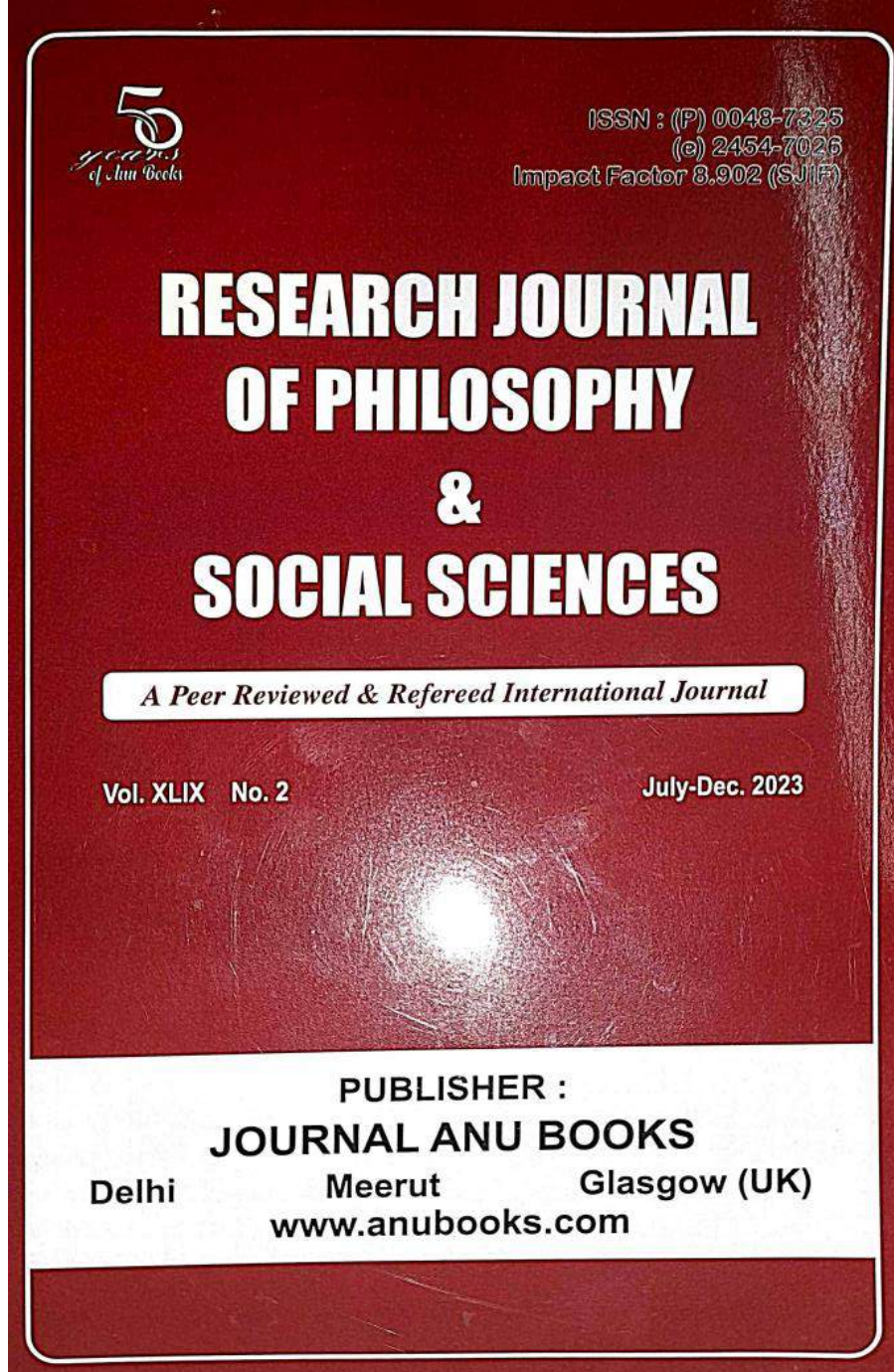
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Sushil Malik, Dr. Ajeet Kumar

A REVIEW OF KASHMIR'S RIGHT TO SELF-DETERMINATION FROM A HISTORICAL-ANALYTICAL-LEGAL STANDPOINT

Sushil Malik
Research Scholar
Department of History
School of Liberal Arts, AUH Gurugram
Email: sushilmalik1@gmail.com

Dr. Ajeet Kumar
Assistant Professor
University of Delhi
Email: ajeetbhu07@gmail.com

Abstract

The 1970 Statement of Standards of International Law on Friendly Relations and Cooperation between States recognized the rights of all people to freedom of thought, expression, association, and assembly, as well as the right to self-determination. It's based on the principle that every group of people should be allowed to determine its own form of government and pursue its own economic, social, and cultural development without external interference. In any case, this right now and then clashes with the obligation of larger states to maintain it, as outlined within the UN Charter. The complexities of bunch politics and global open opposition often make the proper of self-determination challenging, given that states are imperial and must regard each other's sovereignty. Despite these challenges, political leaders of unused states contend that the importance of self-determination has diminished since the decline of colonialism and apartheid. The thought of individual autonomy picked up a noticeable quality after World War II, driving to quick decolonization and the recognition of people's rights inside their conventional social structures.

Keywords

Self Determination, Historical Analytical, Legal Standpoint, Kashmir, States, Uncharter.

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To,
Dr. Ajeet Kumar,
Assistant Professor,
University of Delhi

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Dear, Neelima Rai, Co-author, Lecturer, DIET, Sarnath, Varanasi

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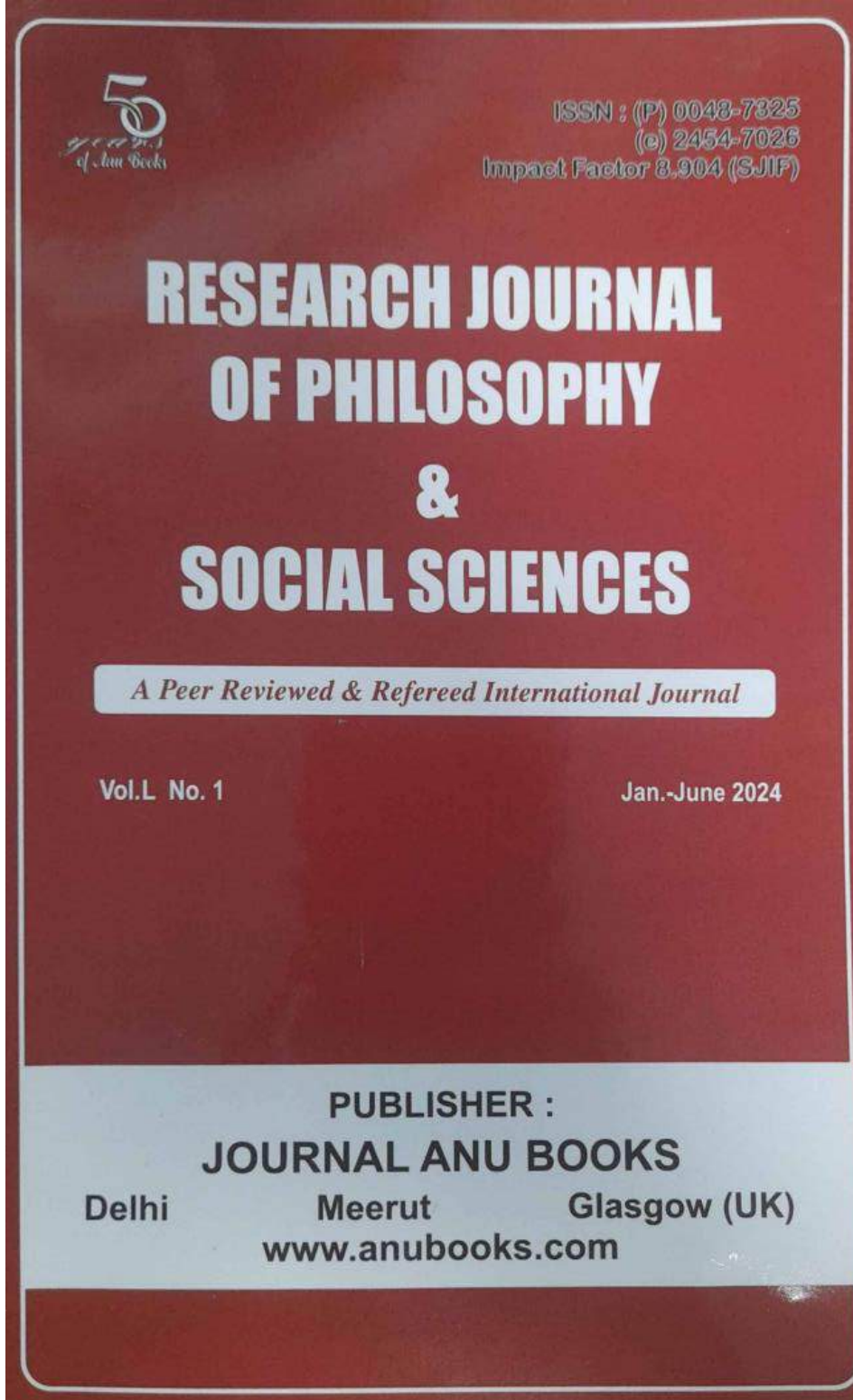
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UNANSWERED QUESTIONS ON OUR COLONIAL LEGACY: KASHMIR FROM THE INQUISITIVE EYE AND HISTORICAL LENS
DR. AJEET KUMAR, SUSHIL MALIK

UNANSWERED QUESTIONS ON OUR COLONIAL LEGACY: KASHMIR FROM THE INQUISITIVE EYE AND HISTORICAL LENS

Dr. Ajeet Kumar
Assistant Professor
JDMC
University of Delhi
Email: ajeetbhu07@gmail.com

Sushil Malik
Research Scholar
School of Liberal Arts
Amity University, Gurugram

"If I were to look over the whole world to find a country most richly endowed with all the wealth, power, and beauty that nature could bestow- in some places, a very paradise on Earth- I should point to India." -Friedrich Max Müller

Abstract

When India and Pakistan gained independence in 1947, Kashmir was the ultimate bone of contention for multiple reasons- it was a geopolitical stronghold, placed at in the middle of The People's Republic of China and the two newly independent states of India and Pakistan. Tales of its beauty and fine imagery were already immortalized in literature and culture, and it was fully intended that Kashmir, a majority Muslim State with its Hindu Ruler, would be symbolic of the new secular India that the Indian National Congress and Pt. Jawaharlal Nehru, then Prime Minister, had inherited in a very fragile and communally divided condition from the British Empire.

The Congress took an offensive tack against Kashmir because of the strategic significance of the state. Colonel Webb, the British Resident in Kashmir at the time, declared in 1946 that Nehru had already developed his Kashmir plan. People sometimes assume that Nehru's interest in Kashmir sprang from some sort of sentimental connection to the region because members of his family originally hail from there, but in reality, the region's strategic significance was what really piqued his attention. Kashmir is located on the historic Silk Route and has borders with the former Soviet Union, China, Afghanistan, and Pakistan. Kashmir may provide India with the benefit of having a scientific frontier while also ensuring the safety of India's North-Western Frontier, which has traditionally left India vulnerable. Furthermore, Nehru's secular nationalist beliefs would be strengthened by the accession of Muslim-majority Kashmir, which is practically a "miniature Pakistan," and would have a "powerful influence on communal forces in India. Given these considerations, Nehru sent a telegram to Mountbatten during the latter's

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Sir Ganga Ram Hospital Marg, New Delhi-110060

दूरभाष/Tel. : 49876630. ई-मेल/E-mail : jdmcollege@hotmail.com, वेबसाइट/Website : http://jdm.du.ac.in

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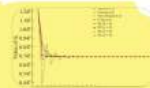
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A Novel Iterative Scheme To Approximate the Fixed Points of Zamfirescu Operator and Generalized Non-Expansive Map with an Application

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Approximating the fixed points of Suzuki's Generalized non-expansive map via an efficient iterative scheme with an application

Pragati Gautam, Chanpreet Kaur

Abstract. This paper is aimed at proving the efficiency of a faster iterative scheme called PC^* -iterative scheme to approximate the fixed points for the class of Suzuki's Generalized non-expansive mapping in a uniformly convex Banach space. We will prove some weak and strong convergence results. It is justified numerically that the PC^* -iterative scheme converges faster than many other remarkable iterative schemes. We will also provide numerical illustrations with graphical representations to prove the efficiency of PC^* iterative scheme. As an application of the solution of a fractional differential equation is obtained by using PC^* iterative scheme.

Keywords. Suzuki's Generalized non-expansive mapping, Iterative scheme, Uniformly convex Banach space, Fixed point

1 Introduction

Iterative schemes plays an important role in approximating the fixed point in the field of fixed point theory. Various problems in applied sciences uses iterative schemes as an important tool and helps to solve many non-linear problems in different fields like Differential equations, Engineering, Integral equations, Game theory, Approximation theory etc. In 1922 [4], Stefan Banach used Picard iterative scheme [25] to prove the existence of a unique fixed point for a contraction map in the framework of a complete metric space. The generalizations of Banach contraction mapping principle are attained by weakening the contractive conditions and to compensate that the structure of the metric space is enriched by endowing it with some geometrical properties. In 1955 Kransolekii [21] proved that for non-expansive mapping Picard iteration scheme may fail to converge to a fixed point even if the map T has a unique fixed point. Browder [8], Gohde [14], Kirk [20] studied non expansive maps independently. After this many other iterative schemes were introduced such as Mann[24], Ishikawa [18] so on. An iterative scheme is considered better than the other if it approaches to the fixed point in lesser number of iterations. Over the last decade, the area of approximating fixed points via iterative scheme has become very popular amongst the researchers. The notion of generalized non-expansive mapping was given by Hardy-Rogers [15] in 1973.

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Corresponding author: Ms. Chanpreet Kaur.



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(दिल्ली विश्वविद्यालय)/(University Of Delhi)

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Definition 1. [15] Let X be a nonempty subset of a Banach space Y . A self map $G : X \rightarrow X$ is said to be a generalized non-expansive map if for all $x, y \in X$,

$$\|Gx - Gy\| \leq a\|x - y\| + b(\|x - Gx\| + \|y - Gy\|) + c(\|x - Gy\| + \|y - Gx\|). \quad (1.1)$$

The class of generalized non-expansive mappings contain the class of non-expansive mappings. The class of generalized non-expansive mappings and non-expansive mappings has been studied by many researchers. Some of the recent and interesting works can be referred to in [1], [3], [4], [5], [6], [10], [11], [12], [16], [19], [26], [28], [29], [32], [34], [35] and [36]. In 2008, Suzuki [34] introduced the concept of Suzuki's Generalized non expansive map defined as

A self map $T : C \rightarrow C$ where C is a non empty subset of a Banach Space is a Suzuki's Generalized non expansive map if for all $x, y \in C$

$$\frac{1}{2}\|x - Tx\| \leq \|x - y\| \Rightarrow \|Tx - Ty\| \leq \|x - y\| \quad (1.2)$$

In 2008, [34] Suzuki proved that the class of Suzuki's generalized non-expansive map contains the class of non-expansive maps.

In this paper, we aim at proving that PC^* -iterative scheme for approximating the fixed points of Suzuki's generalized non-expansive map. The convergence and stability results are proved and numerical examples along with graphical representation are provided. The numerical experiments are performed using MATLAB programming language.



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67. Dr. Rakesh - Immunogenicity of cancer cells: An overview

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Immunogenicity of cancer cells: An overview

Tanya Singh^a, Madhuri Bhattacharya^a, Anil Kumar Mavi^{b,*,†}, Anita Gulati^c, Rakesh^d,
Naresh Kumar Sharma^e, Sonal Gaur^f, Umesh Kumar^{g,*,†}

^a Department of Microbiology, Ram Lal Anand College University of Delhi, Delhi 110021, India

^b Department of Botany, Sri Aurobindo College, University of Delhi, Delhi 110017, India

^c Department of Zoology, Dean Deyal Upadhyaya College, University of Delhi, Delhi 110078, India

^d Janki Devi Memorial College, University of Delhi, Delhi 110060, India

^e Department of Medical Microbiology & Infectious Diseases, University of Manitoba, Winnipeg, Manitoba, Canada

^f Department of Ophthalmology, Medical University of South Carolina, Charleston, SC 29425, USA

^g Department of Bioscience, Institute of Management Ghaziabad (University Courses Campus) NH9, Adhyatmik Nagar, Ghaziabad, Uttar Pradesh 201015, India

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ABSTRACT

The immune system assumes a pivotal role in the organism's capacity to discern and obliterate malignant cells. The immunogenicity of a cancer cell pertains to its proficiency in inciting an immunological response. The prowess of immunogenicity stands as a pivotal determinant in the triumph of formulating immunotherapeutic methodologies. Immunotherapeutic strategies include immune checkpoint inhibitors, chimeric antigen receptor (CAR) T-cell therapy, and on vaccines. Immunogenic cell death (ICD) epitomizes a form of cellular demise that incites an immune response against dying cells. ICD is characterized by the liberation of distinct specific molecules that activate the immune system, thereby leading to the identification and elimination of dying cells by immunocytes. One of the salient characteristics inherent to the ICD phenomenon resides in the vigorous liberation of adenosine triphosphate (ATP) by cellular entities dedicated to embarking upon the process of programmed cell death, yet refraining from complete apoptotic demise. ICD is initiated by a sequence of molecular events that occur during cell death. These occurrences encompass the unveiling or discharge of molecules such as calreticulin, high-mobility group box 1 (HMGB1), and adenosine triphosphate (ATP) from dying cells. These molecules act as "eat-me" signals, which are recognized by immune cells, thereby prompting the engulfment and deterioration of expiring cells by phagocytes including various pathways such as Necroptosis, Apoptosis, and pyroptosis. Here, we review our current understanding of the pathophysiological importance of the immune responses against dying cells and the mechanisms underlying their activation. Overall, the ICD represents an important mechanism by which the immune system recognizes and eliminates dying cells, including cancer cells. Understanding the molecular events that underlie ICD bears the potential to engender innovative cancer therapeutics that harness the power of the immune system to combat cancer.

I. Introduction

According to The World Health Organization, there were 18.1 million new cancer cases and 9.6 million fatalities caused by it in 2018 which is expected to rise to 28.4 million cases in 2040, almost a 47% increase. Cancer has been the second leading cause of death hence a challenging and often impossible group of illnesses since decades [1,2]. During the past few years, substantial advancements have been made in

surgical procedures like immunotherapy, chemotherapy, and radiotherapy for its therapy purposes. Nevertheless, there is resistance caused among tumor cells by the virtue of constant biochemical changes and genetic changes induced by treatment in the cell [3]. A well-known process known as Immune surveillance plays a pivotal role throughout the neoplasm multistage progression by eliminating most of the aberrant cells [5] and acting as a regulator in cell death mechanisms, cancer cell proliferation, and normal cell differentiation. To evade immune

* Correspondence to: U. Kumar, Institute of Management Ghaziabad (University Courses Campus), NH9, Adhyatmik Nagar, Ghaziabad, Uttar Pradesh 201015, India.

† Correspondence to: A.K. Mavi, Department of Botany & Life Sciences, Sri Aurobindo College, University of Delhi, Delhi 110017, India.

E-mail addresses: anilmavi100@gmail.com (A.K. Mavi), anitagulati@ddu.du.ac.in (A. Gulati), makeshposwal@jdm.du.ac.in (Rakesh), umeshkumar82@gmail.com (U. Kumar).

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68. Prof. Ritu Arora - Linear Codes Detecting Repeated b (fixed) Bursts of Unequal Lengths in Distinct Sub-Blocks



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LINEAR CODES DETECTING REPEATED b (FIXED) BURSTS OF UNEQUAL LENGTHS IN DISTINCT SUB-BLOCKS

Ritu Arora, Poonam Garg* and Surbhi Madan

Department of Mathematics

Janki Devi Memorial College (University of Delhi)

Sir Ganga Ram Hospital Marg

New Delhi 110060

India

e-mail: rituaroraind@gmail.com; ritu@jdm.du.ac.in

Department of Mathematics

Deen Dayal Upadhyaya College (University of Delhi)

Azad Hind Fauj Marg

Dwarka, Delhi 110078

India

e-mail: poonamgarg_68@yahoo.co.in; pgarg@ddu.du.ac.in

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69. DR. TEENA KOHLI - A NOTE ON FRAMES IN NON-LOCALLY CONVEX BANACH SPACES

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A NOTE ON FRAMES IN NON-LOCALLY CONVEX BANACH SPACES

JHAVI LAL GHIMIRE[†], TEENA KOHLI, AND NARAYAN PRASAD PAHARI

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Abstract. Shrinking atomic decompositions in locally convex Banach spaces were studied by Carando and Lassalle [2]. In this paper, we define strongly shrinking atomic decompositions in p -Banach spaces and give necessary and sufficient condition for atomic decomposition to be shrinking and boundedly complete.

1. Introduction

Let X be a vector space over a field \mathbb{F} . A p -norm $\|\cdot\|_p$ for $0 < p \leq 1$ on X is a mapping from $X \rightarrow \mathbb{R}$ satisfying the following properties:

- (1) $\|x\|_p \geq 0$, for all $x \in X$.
- (2) $\|x\|_p = 0 \iff x = 0$.
- (3) $\|\alpha x\|_p = |\alpha|^p \|x\|_p$, for all $x \in X$ and $\alpha \in \mathbb{F}$.
- (4) $\|x + y\|_p \leq \|x\|_p + \|y\|_p$, for all $x, y \in X$.

The pair $(X, \|\cdot\|_p)$ is called a p -normed linear space.

If $p = 1$, then the p -norm is equal to norm on X .

A p -normed linear space X over a field \mathbb{F} is called a p -Banach space if it is complete.

A linear operator $T : (X, \|\cdot\|_p) \rightarrow (Y, \|\cdot\|_q)$ is said to be bounded if there exists a real number $M > 0$ such that $\|T(x)\|_q^{\frac{1}{q}} \leq M \|x\|_p^{\frac{1}{p}}$, for all $x \in X$.

The collection of all bounded linear operators from the p -Banach space X to the q -Banach space Y is denoted by $B(X, Y)$ which is a Banach space with norm given by

$$\|T\| = \sup_{\substack{x \in X \\ x \neq 0}} \frac{\|T(x)\|_q^{\frac{1}{q}}}{\|x\|_p^{\frac{1}{p}}}.$$

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[†] *Corresponding author*



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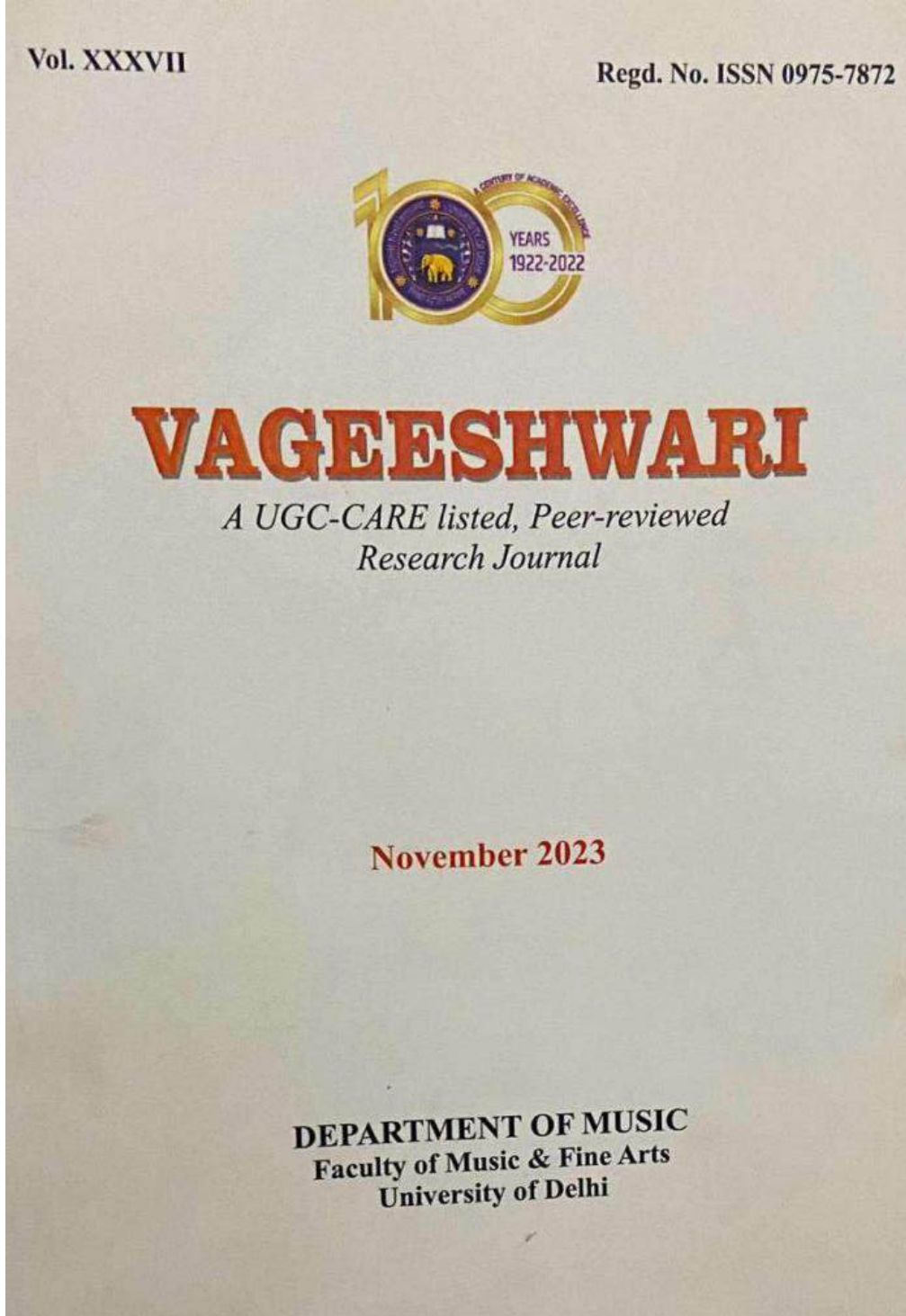
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(दिल्ली विश्वविद्यालय) / (University Of Delhi)

सर गंगा राम अस्पताल मार्ग, नई दिल्ली-110060
Sir Ganga Ram Hospital Marg, New Delhi-110060

दूरभाष/Tel. : 49876630, ई-मेल/E-mail : jdmcollege@hotmail.com, वेबसाइट/Website : http://jdm.du.ac.in

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Gurbani the Sublime Healer

Dr. Gurinder H. Singh

Associate Professor

Department of Music, Janki Devi Memorial College

University of Delhi

Email: gsingh@jdm.du.ac.in

Mobile no: 9811310510

Abstract: Gurbani although universal and secular in content is a significant source of spiritual evolvment and healing particularly for the Sikhs as they relate to the language and dialect of the holy scripture. Reciting, singing, and meditating on Gurbani is a way of life for them and a part of their daily prayer regime. They experience inner tranquility, comfort, feeling of direction and purpose. *Simran*, or remembering the Divine Name, is a vital component of Sikh theology which fosters inner peace and mental clarity.

The purpose of this paper is to take cognizance of the implausible range of Gurbani *Shabads* etched in the Siri Guru Granth Sahib by the Sikh Gurus on all aspects of life. Imbibing and listening to them in their assigned ragas would have a sublime effect of healing, calm and solace and consequently appraise the readers of this paper regarding this.

If the significance and diversity of the spiritual and musical wealth is enthused amongst the desirous and impetus given towards its awareness then it will have a salutary effect on them.

For writing this paper both the primary and secondary sources have been taken into account. While the primary sources were from personal experiences through living a Sikh way of life, reading the Guru Granth Sahib on daily basis, singing *Shabad* Gurbani Kirtan in the Gurudwaras, engaging with the *Ragis*, *Kirtanias* and *Kathakars*, the secondary sources were the very old reference books on this subject in my personal collection.

The healing power of Gurbani has been experienced by those who believe in the virtue of the Shabad.

Introduction

Shabad Gurbani, is the cherished teachings by the Sikh Gurus contained in the Sri Guru Granth Sahib, the ultimate religious text of Sikhism. It is a source of spiritual direction, comfort, and healing. The word "*Gurbani*" itself is recognized as the heavenly knowledge



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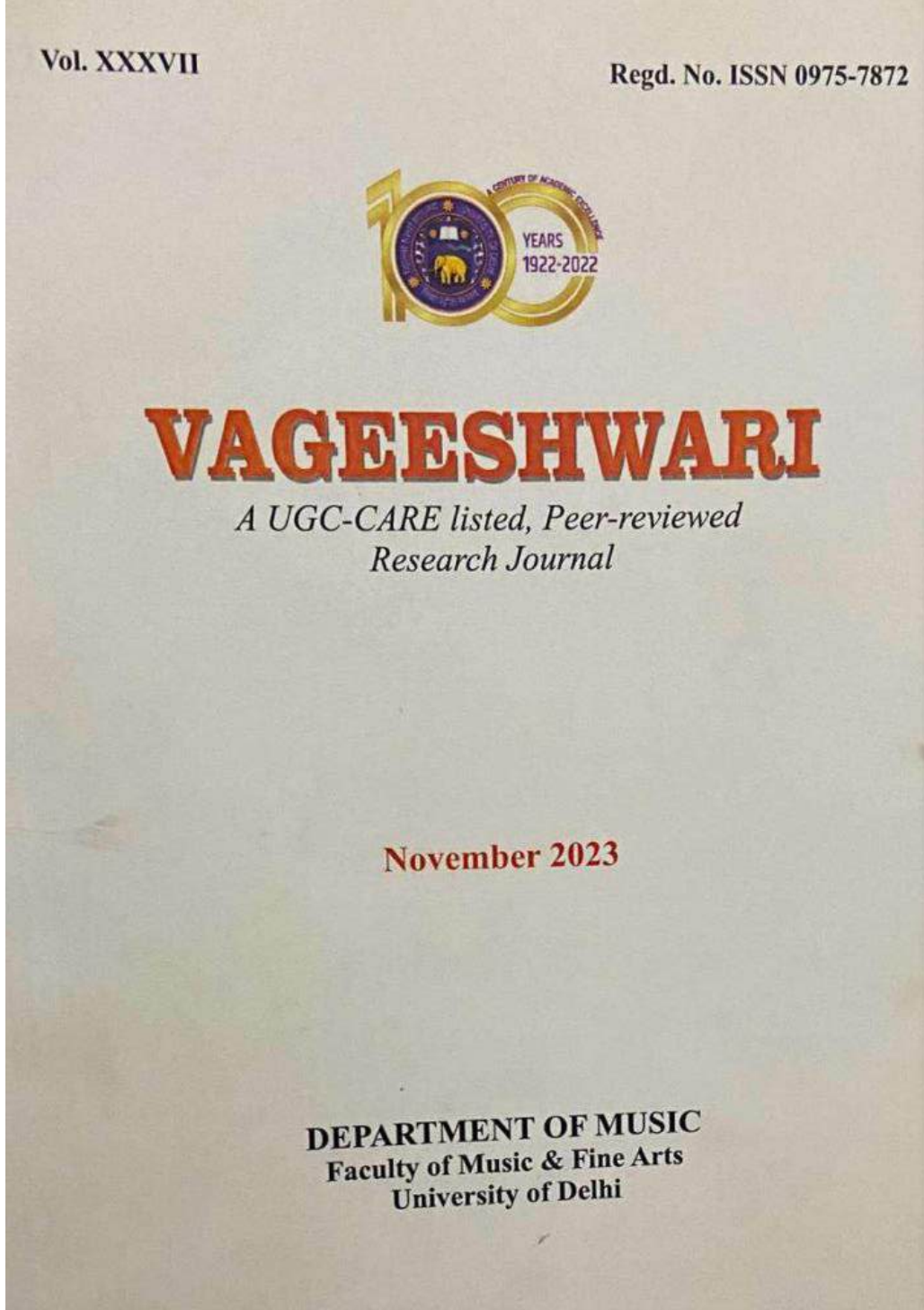
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मानव मस्तिष्क में संगीत ग्रहण प्रक्रिया

डॉ. प्रेरणा अरोड़ा

एसोसिएट प्रोफेसर (संगीत विभाग)

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सार संक्षेप

मानव मस्तिष्क प्रति की ऐसी संरचना है जिससे मनुष्य बाह्य वातावरण से ज्ञानेन्द्रियों द्वारा सूचना संकेत ग्रहण करने के पश्चात् उन्हें बोधगम्य कर व्याख्यायित करता है। वैज्ञानिकों के लिए कर्णेन्द्रिय द्वारा संगीत श्रवण के आंतरिक मस्तिष्क में प्रक्रियाओं का घटित होना एक आश्चर्यजनक प्रश्न रहा है। हमारे मस्तिष्क के विभिन्न भाग संगीत के समायोजन में भिन्न-भिन्न प्रकार से क्रियारत होते हैं। यह प्रक्रिया संगीतज्ञ एवं साधारणजन में भिन्न-भिन्न प्रकार से होती है। अंतरराष्ट्रीय स्तर पर इस विषय में अनेक अनुसंधान किया जा रहे हैं। प्रस्तुत शोध प्रबंध इस विषय पर विभिन्न मतों को दर्शाता है।

मुख्य बिंदु: संगीत, मस्तिष्क, प्रक्रिया, अवबोधन, सेरेब्रल-कॉर्टेक्स

संगीत का प्रभाव मानव मस्तिष्क एवं मन पर पड़ता है—ऐसा अनुभव सभी मनुष्यों का सदैव होता रहा है फिर वह चाहे संगीत शिक्षित हो या केवल संगीत अनुरागी। भारतीय दर्शन में परमपिता श्री कृष्ण के हाथ की बांसुरी चराचर जगत् को अपने संगीत माधुरी से मोहित करने वाली रही है। शिव जी के हाथ में डमरु संपूर्ण सृष्टि के खगोलीय पिंडों को लयबद्ध रूप से आकाशीय मार्ग में श्वरैवेति चरैवेति सिद्धांत अनुसार गतिमान रखता है। संगीत की इस अद्भुत निराली शक्ति से साधारणजन से लेकर परमेश्वर तक के जुड़ाव का वैज्ञानिक आधार क्या है?

जहां एक ओर संगीतज्ञ, संगीत की साधना एवं उसके मंत्र प्रदर्शन पर ही अपना ध्यान केंद्रित रखते हैं, वहीं वैज्ञानिक इस रहस्य को सुलझाने में अपने मस्तिष्क की ऊर्जा को केंद्रित करते हैं। ऐसा क्या है जो हमें संगीत इतना द्रवित कर देता है कि जिससे कभी आंखों से अश्रुधार झर झर बहने लगती है तथा कभी तनावों से मुक्त हो हमारा हृदय आह्लादित हो झूम उठता है? चित्रपट एवं धारावाहिकों के पृष्ठ संगीत से कभी मेरुरज्जु में सिहरन व्याप्त हो जाती है तो कभी देशभक्ति



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72. Rajshree Chandra - Shades of the Sheikh

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News / Columns / J Sai Deepak is man-splaining and savarna-splaining. Majority will isn't majoritarianism

Premium

J Sai Deepak is man-splaining and savarna-splaining. Majority will isn't majoritarianism

To conflate the two very different concepts is mischievous and politically motivated

Written by [Rajshree Chandra](#)
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MAJORITY WILL, NOT MAJORITARIANISM

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The conduct of majoritarianis
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J Sai Deepak in a recent article ([“The “Majoritarianism” slur](#)), June 22) argues that “majoritarianism” is used to gaslight Hindus and makes a case for majoritarianism. Further, he proposes that since Bharat, historically and civilisationally, has always been Hindu, constitutional morality too should be located in this civilisational context. In other words, it is okay if court judgments abide by and uphold majoritarian interests, faith and morality. These unabashed Hindu-first arguments are not new, but given Sai Deepak’s intellectual standing, his article falls short on reasoning, substance and “good faith”.

First, JSD begins with a conceptual error. His definition of majoritarianism — “as that form of legitimate political authority which expresses the will of the majority” — conflates a principle with its perverted form. The bottom line of a democracy is that it represents the majority will. The majoritarian principle becomes the basis to form governments, make laws and policies. However, once laws/policies are made, the processes of implementation and the principles of justice are not (or should not), in any democratic set-up, subjected to majority will tests. If it did, we would not have had the judgment that decriminalised homosexuality, or the [Sabarimala](#)



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73. Poonam Kanwal - Universal Declaration of Human Rights: The Issue of Universalism and Cultural Relativism

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UNIVERSAL DECLARATION OF HUMAN RIGHTS: THE ISSUE OF UNIVERSALISM AND CULTURAL RELATIVISM

Dr. Poonam Kanwal

Associate Professor, Janki Devi Memorial College University of Delhi

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ABSTRACT

This article examines the Universal Declaration of Human Rights and the charge of universalism leveled against it by cultural relativists. The UDHR is the first document that enshrines rights and freedoms for human beings. The rights enshrined are available to all individuals, irrespective of their religious, cultural, or political moral systems. It is a normative statement on how human beings should be treated.

The UDHR faces the charge of universalism, that it imposes the same values which are Eurocentric in nature on all nation-states. It is considered by critics as a hegemonic project, which reflects the moral chauvinism of Western liberal individualistic societies. Cultural



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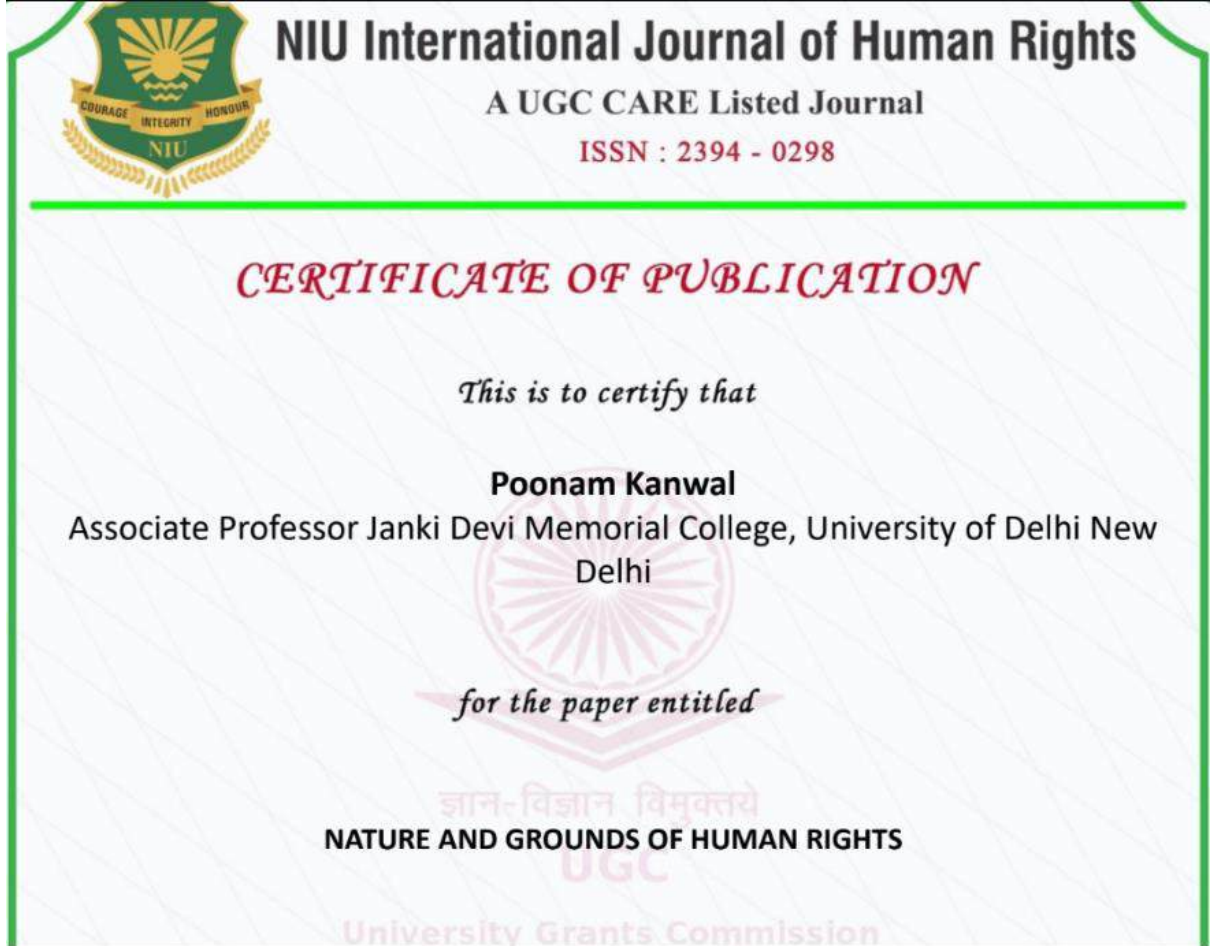
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74. Poonam Kanwal - Nature and Grounds of Human Rights





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75. Poonam Kanwal - India's Role in Global Climate Change Management

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India's Role in Global Climate Change Management

Poonam Kanwal

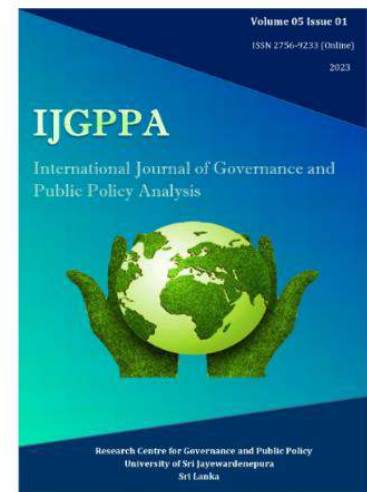
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Abstract

Global Climate change refers to the long-term shifts that take place in temperature and weather conditions. These changes can occur on their own, due to variations in the solar cycle but the changes that are being referred to here are not natural they have been caused by anthropogenic activities. Green House Gases (GHGs) emissions have accumulated in the

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76. Poonam Kanwal - Civil and Political Rights

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CIVIL AND POLITICAL RIGHTS

Poonam Kanwal Janki Devi Memorial College, University of Delhi New Delhi, India
pmkanwal63@gmail.com

Abstract

There were significant differences of opinion while constituting the civil & political rights and social & economic rights. These differences were the result of the cold war politics. Some gave primacy to civil & political rights and others claimed that these rights are nothing without social and economic guarantees. The article discusses the nature of civil & political rights and holds that they cannot be relegated to the background, they are as important as social and economic rights. The article emphasises upon the mutually symbiotic relationship between various rights, where one right impacts the other and also gets impacted. Honoring one kind of right reinforces, compliments and enhances the other; similarly, violation of one set of rights leads to violation of others.

Key Words:

Universal Declaration of Human Rights; International Covenant on Civil and Political Rights; International Covenant of Economic, Social and Cultural Rights.

Introduction

The Universal Declaration of Human Rights (UDHR) enunciated in 1948, is a normative statement on how human beings ought to be treated. It is the first international declaration which protects the inherent dignity of human beings by vesting them with human rights. (Morsink, J, 1999) These rights



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77. Poonam Kanwal - Public Interest Environmental Litigations in India: An Overview

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PUBLIC INTEREST ENVIRONMENTAL LITIGATIONS IN INDIA: AN OVERVIEW

Poonam Kanwal

Janki Devi Memorial College, University of Delhi, New Delhi, India

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ABSTRACT

Society is an ensemble of individuals living together. To serve their purposes individuals create and develop institutions of different kinds. The state is one such institution that owes its emergence and existence to society. The state is a political institution and the society in which it is established is a politically organized society.

The state is all-pervasive, it is difficult to understand any phenomenon without referring to the state. The state is a principal actor shaping society, individuals, and their lives. The mosaic that the state establishes on the canvas consisting of the society reflects its normative character. Understanding the state from its normative standpoint (what it does to society) is important but it is equally important to see how society thinks about the state. The way the state forms its mosaic



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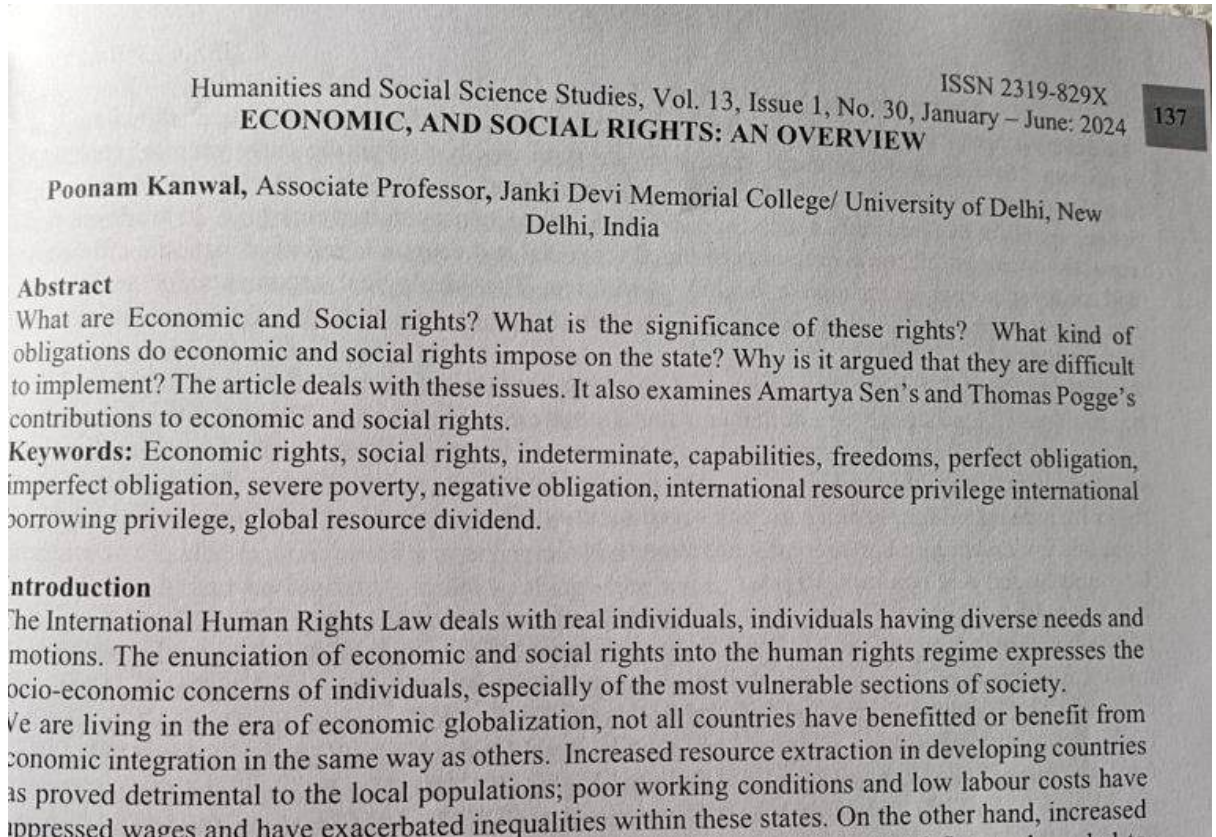
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78. Poonam Kanwal - Economic and Social Rights: An Overview





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Stuti S. Mandala Associate Editor

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Prof. D. Gopal, Professor (Retd.) Department of Political Science, IGNOU, Maidan Garhi New Delhi-110068, Email: dgopal@ignou.ac.in

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EDITORIAL

India has been looming large all over the globe and in different sectors of interactions among nation-states of the world. 21st century seems to be more of India's century than Asia's. The erstwhile nomenclature of Asia-Pacific has given way to Indo-Pacific. Politically stable India has ensured unprecedented boost to its economy. India is transforming itself into a growing giant in infrastructure development whether it is digital or physical; it is India's story all the way. Policy interventions on domestic turf as well as on foreign lands have started delivering the results. Today liquid fertilizer Urea and DAP from IFFCO, an Indian fertilizer company, the world's largest cooperative that is economically robust is used locally and exported to the world, which bears a benchmark of Indian technical excellence.

India has been making all this possible because of a strong, dedicated and a value driven political leadership of Prime Minister Narendra Modi. Today India is on its way to become 5 trillion-economy which is fifth largest as of today and scheduled to be fourth largest soon.

India has strongly and meaningfully carved out a space for itself in global narratives and rule making on different pressing issues. Global warming and consequent climate change is the most pressing issue before the contemporary global leadership. India through its missionary zeal has been using multilateral forum like G-20 and CoPs to step into the shoes of rule-shaper rather than activism alone. India has also taken initiatives to transform its energy-use profile by reducing reliance on non-renewable sources and move towards renewable. By planting additional forest and tree cover India is all set to create an additional carbon sink of 2.5-3 billion tones. India's five-point agenda or '*panchamrit*' as well as 'LiFE Mission' has more ambitious climate goals for itself than those announced in COP26 in Glasgow in 2021. Thus, India has taken a great leap forward on the globe with strong and determining international personality.

New Delhi
December 2023

G. Kishore Babu
Editor

December 2023 3



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Ancient Indian Political Thought: The Impact of Buddhist Traditions on Global Society

Dr. Vinceta Bhatt and Shubhangi Singh

Introduction

"Hatred never ceases by hatred in this world. Hatred ceases by love-this is the ancient law"

Verse from *The Dhammapada*, a sacred Buddhist scripture

Ancient Indian Buddhist philosophy represents a rich and influential intellectual tradition that emerged in India over two millennia ago. The paper discusses the watershed moment in Ancient History of India, during the sixth and fifth century B.C., when Aryan culture reached its peak in the upper reaches of Ganges and Yamuna in North

India, leading to the emergence of Buddhism, which revolutionised religious societies. It

denied the existence of "self, soul" (atman) and 'God'. (Collins, 1994:64)

Buddhism's rise is attributed to the rigidity of the 'Varna system' in later Vedic times, which attracted lower-status people. During the early stages of Buddhism, there was no emphasis on philosophical discussions, which attracted ordinary people. Widespread agriculture in the Mid-Gangetic Plains, expansion of trade and commerce, and the rise of societal sections with improved demands contributed to its rise. (Darian, 1997: 226-230)

Siddhartha Gautama, also known as Shakyamuni, was a significant figure

Buddhism is one of the world's major religions and philosophical systems that originated in the ancient Kingdom of Magadha around the fifth century B.C.E. It was founded by Siddhartha Gautama, who is commonly known as the Buddha, which means an "enlightened one" who has attained freedom from the state of suffering and ignorance, having attained the state of enlightenment (nirvana). Buddhism is characterised by its central teachings and practices aimed at understanding and transcending suffering, achieving spiritual awakening, and ultimately attaining liberation from the cycle of birth, death, and rebirth (samsara). Ancient Indian Buddhist traditions have had a profound and enduring impact on global society, with their thought spreading globally and leaving a lasting legacy. The objectives of the paper are to explain the causes of the origin of Buddhism and to discuss various key aspects of Buddhist education in the ancient Indian knowledge system. Accordingly, the key research question is to study how Buddhism has expanded its historical influence sphere and developed over significant parts of the globe.

Dr. Vinceta Bhatt

Assistant Professor,

Department of Political Science, Janki Devi Memorial College, University of Delhi

and

Shubhangi Singh

Ex MA Student of JNU



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80. Mamta - Gurukulshatakam me varnit prachinkalin gurukuloan ka swroop

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ममता

**‘गुरुकुलशतकम्’ में वर्णित
प्राचीनकालीन गुरुकुलों का स्वरूप**

शोध सारांश

भारत में गुरुकुल परंपरा प्राचीनकाल से ही चलती आ रही है। प्राचीनकाल में गुरुकुल शिक्षा का मुख्य केंद्र होते थे। गुरुकुलों में रहकर विद्यार्थी अपने जीवन को सफल बनाकर एक सुदृढ़ राष्ट्र का निर्माण करने में सहयोग देते थे। गुरुकुलों में प्रकृति संरक्षण पर बल दिया जाता था। प्रकृति के सानिध्य से ब्रह्मचारी आध्यात्मिक ज्ञान को सरलता से प्राप्त कर लेते थे। गुरुकुल पद्धति का वर्णन संस्कृत कवियों ने भी अपने काव्य में किसी न किसी रूप में वर्णित किया है। आदिकाव्य रामायण में महर्षि वाल्मीकि के आश्रम का बहुत सुंदर वर्णन किया गया है। महाकवि कालिदास द्वारा रचित प्रसिद्ध नाटक अभिज्ञानशाकुंतल में कण्व ऋषि के आश्रम को बहुत सुंदर झांकी प्रस्तुत की गई है। इसी प्रकार रघुवंश महाकाव्य में वशिष्ठ ऋषि के आश्रम का वर्णन प्राप्त होता है। गुरुकुल पद्धति का चित्रण करने वाले कवियों में महाकवि मेधाव्रत का नाम सर्वोपरि आता है। आधुनिक संस्कृत कवि मेधाव्रत ने ‘गुरुकुलशतकम्’ में गुरुकुलीय प्रणाली को चित्रित करते हुए प्राचीनकालीन गुरुकुलों के स्वरूप का बहुत सुन्दर वर्णन किया है।

कूट शब्द

ब्रह्मचारी, आच्छादित, शिक्षणालय, ब्रह्ममुहूर्त, तलहटी।

भूमिका

आधुनिक संस्कृत कवि मेधाव्रत ने अनेक संस्कृत रचनाओं का प्रणयन किया है। महाकवि मेधाव्रत का बाल्यावस्था से ही गुरुकुलों के साथ गहरा संबंध रहा है इसलिए उनकी सभी रचनाओं में गुरुकुल छवि स्पष्टतया परिलक्षित होती है। उनके द्वारा रचित गुरुकुलशतकम् में

गुरुकुल प्रणाली का बहुत सुन्दर चित्रण किया गया है। इस ग्रन्थ में 116 पद्य हैं तथा प्रत्येक पद्य के ऊपर वृत्तनाम देकर नीचे टिप्पणी में कवि ने उसका लक्षण भी दिया है। कवि ने गुरुकुलशतकम् में गुरुकुल के माहात्म्य वर्णन के साथ साथ ब्रह्मचारियों की दिनचर्या को भी व्याख्यायित किया है। इसके अतिरिक्त प्राचीनकालीन ऋषियों के आश्रमों के वर्णन के साथ-साथ कवि ने महर्षि दयानंद द्वारा गुरुकुलों के उद्धार हेतु किये गए प्रयासों को भी ग्रन्थ के अन्त में उद्धृत किया है।

ग्रन्थ के प्रारंभ में महाकवि गुरुकुलों के निर्माण के योग्य स्थान का वर्णन करते हुए कहते हैं कि नदी के किनारे वृक्षों से आच्छादित पवित्र वन में तथा प्राकृतिक सुंदरता से युक्त पर्वत की तलहटी में अथवा पर्वत के शिखर पर जहां पर ईश्वर का चिंतन आसानी से हो सके, ऐसे स्थान पर गुरुकुल का निर्माण करना चाहिए। कवि ने ब्रह्मचारियों की दिनचर्या पर भी विस्तृत प्रकाश डाला है। कवि कहता है कि सर्वप्रथम ब्रह्मचारी प्रातःकाल में ब्रह्ममुहूर्त में उठकर प्रसन्नचित से ईश्वर वंदना करें, उसके बाद शौचादि क्रिया से निवृत्त होकर शुद्ध अन्तःकरण से हवन करके व्यायाम करें। तत्पश्चात् ब्रह्मचारी अपने शिक्षकों के पास जाकर पूर्ण तत्परता से विभिन्न विषयों का गूढ़ अध्ययन करें। विद्या अध्ययन के पश्चात् हाथ मुंह धोकर भोजन करें तथा अपने पात्रों को शुद्ध करके विश्राम करें। संध्याकाल में क्रीड़ा के पश्चात् सभी ब्रह्मचारी यज्ञशाला में जाकर संध्या हवन करके प्रसन्न मन से संध्याकालीन भोजन करके सभी ब्रह्मचारी भ्रमण करते हुए पाठ का स्मरण करें। शयन की घंटी बजने पर शीघ्र ही पंक्तिबद्ध



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सर गंगा राम अस्पताल मार्ग, नई दिल्ली-110060
Sir Ganga Ram Hospital Marg, New Delhi-110060

दूरभाष/Tel. : 49876630, ई-मेल/E-mail : jdmcollege@hotmail.com, वेबसाइट/Website : http://jdm.du.ac.in

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Sir Ganga Ram Hospital Marg, New Delhi-110060

दूरभाष/Tel. : 49876630. ई-मेल/E-mail : jdmcollege@hotmail.com, वेबसाइट/Website : http://jdm.du.ac.in

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ममता

संस्कृत नाटकों में अभिनेता तथा अभिनय की भूमिका

शोध सारांश

अभिनय तथा अभिनेता दोनों शब्द परस्पर एक दूसरे के पूरक हैं। किसी भी नाटक का मंचन करने के लिए अभिनेता तथा अभिनय दोनों की आवश्यकता होती है। संस्कृत नाटकों में दोनों की महत्वपूर्ण भूमिका होती है। इन दोनों के बिना किसी भी नाटक का मंचन नहीं किया जा सकता है। अपने अभिनय के माध्यम से नाटक की कथावस्तु को प्रभावशाली बनाने वाले पात्र को 'अभिनेता' शब्द से संबोधित किया जाता है। एक अभिनेता की पहचान उसके अभिनय से होती है। अभिनेता शब्द से केवल नायक तथा नायिका का ही बोध नहीं होता है अपितु नाटक में प्रयुक्त सूत्रधार, विदूषक इत्यादि सभी पात्रों का भी समावेश होता है। सभी अभिनेताओं में अपने व्यक्तित्व तथा अपनी भूमिका के मध्य में निरंतर अंतर्द्वंद्व होता रहता है। एक कुशल अभिनेता ही दोनों परिस्थितियों के मध्य में सामंजस्य स्थापित करने में समर्थ हो पाता है। किसी भी सफल नाटक के मंचन का श्रेय उसके सभी कलाकारों को ही दिया जाता है। संस्कृत साहित्य में अभिनय की उत्पत्ति वैदिक काल से ही मानी जाती है। उसके बाद आचार्य भरतमुनि जी ने सर्वप्रथम अपने नाट्यशास्त्र में अभिनय तथा अभिनेता पर विस्तृत प्रकाश डाला है। नाट्यशास्त्र में वर्णित नाट्य से संबंधित सभी विषयों का विस्तृत विवेचन हमें प्राप्त होता है। भरतमुनि के नाट्यशास्त्र को आधार बनाकर इस शोध पत्र के माध्यम से अभिनय तथा अभिनेता दोनों पर प्रकाश डालने की कोशिश की जाएगी।

कूट शब्द - नाट्यशास्त्रीय, अनुकर्ता, सम्प्रेषण,

कविकल्पित।

भूमिका

आदिकाल से ही मनुष्य अपनी शारीरिक क्रियाओं के माध्यम से अपने भावों को प्रकट करता आया है। इस प्रकार की प्रवृत्ति सभी प्राणियों में समान रूप से पायी जाती है। नाटकीय क्रियाओं द्वारा मनुष्य अपनी भावनाओं को दूसरों तक आसानी से पहुँचा सकता है। इनसे ही धीरे-धीरे आंगिक चेष्टाओं तथा मुखमुद्राओं की उत्पत्ति हुई थी। इन सभी चेष्टाओं को नाट्यशास्त्र में अभिनय के नाम से संबोधित किया जाता है। अभिनय के माध्यम से ही कथावस्तु को प्रभावशाली बनाकर दर्शकों के समक्ष प्रस्तुत किया जाता है।

आचार्य भरतमुनि ने ही सर्वप्रथम नाट्यशास्त्र में अभिनयकला का बहुत सुन्दर वर्णन किया है। भरतमुनि द्वारा रचित नाट्यशास्त्र नाट्य से सम्बन्धित सभी विषयों का वर्णन करने वाला प्राचीनतम ग्रन्थ है। आचार्य भरतमुनि नाट्यशास्त्र में कहते हैं कि संसार का स्वभाव सुख और दुख दोनों से मिश्रित है और जब एक अभिनेता द्वारा आङ्गिक, वाचिक, सात्विक एवं आहार्य अभिनय का प्रयोग करते हुए रंगमंच पर इनको प्रदर्शित किया जाता है तब उसे नाट्य कहा जाता है।

योऽयं स्वभावो लोकस्य सुखदुःखसमन्वितः।

सोऽङ्गाद्यभिनयोपेतो नाट्यमित्यभिधीयते।।119।।¹

अभिनय की परिभाषा-

अभि उपसर्ग "णीञ् प्रापणे" धातु "अच्" प्रत्यय के संयोग से 'अभिनय' शब्द की उत्पत्ति हुई है।² सामान्यतः दर्शकों के समक्ष अभिनेताओं द्वारा आरोपित भावों की

82. Dr. Rajinder Kumar - Nyayamrit main akhandarth ki charcha

शोध-पत्र



डॉ. राजेन्द्र कुमार

न्यायामृत में वर्णित अखण्डार्थ विवेचन की समीक्षा

बा दरायण व्यास के ब्रह्मसूत्र से वेदान्त दर्शन का उद्भव स्वीकार किया जाता है, जिससे वेदान्त दर्शन के अनेक सम्प्रदायों का विकास हुआ। अद्वैतवेदान्त दर्शन उस विकास का प्रथम स्रोत है जिसके अनन्तर अनेकों वेदान्त सम्प्रदायों का सूत्रपात हुआ, जिनमें एक सध्याचार्य का द्वैतवाद है। श्रीहर्ष ने खण्डनाखण्डनखाण्ड नामक ग्रन्थ की रचना न्यायदर्शन के सिद्धान्तों के खण्डन के लिए की, तो न्यायदर्शन के आचार्य श्रीहर्ष के ग्रन्थ को क्लिष्टा कह उसे निरादर की दृष्टि से देखने लगे उस प्रतिपात का उत्तर देने के लिए चित्सुखी नामक ग्रन्थ लिखा, जिसमें उन्होंने भेदवाद का ही खण्डन कर दिया इस पर द्वैतवेदान्त सम्प्रदाय असन्तुष्ट हो गया और द्वैतवेदान्त के आचार्य व्यासतीर्थ ने अद्वैतवाद के सिद्धान्तों के खण्डन के लिए न्यायामृत की रचना की। इस ग्रन्थ के द्वितीय अध्याय में अभेदवाद को सुदृढ़ करने वाले अखण्डार्थ के सभी आचार्यों द्वारा दिए गए लक्षणों का खण्डन किया गया है, जो इस प्रकार हैं-

2.1 अखण्डार्थ से अभिप्राय

अखण्डार्थ पद दो शब्दों से मिलकर बना है, अखण्ड और अर्थ। प्रथम प्रयुक्त पद अखण्ड में नञ् तत्पुरुष समास है, जिससे अभिप्राय है, जिसे खण्डित न किया जा सके, वह अखण्ड है तथा द्वितीय पद अर्थ का समायोजन करने पर सम्पूर्ण पद का अर्थ यह बनता है, कि जिस अर्थ को खण्डित अथवा तोड़ा न जा सके, उसे ही अखण्डार्थ कहा जा सकता है। अतः जिस वाक्य में सभी पद मिलकर एक अर्थ को कहें, पृथक्-पृथक् अर्थ को न कहें वह अखण्डार्थ है।

अद्वैतवेदान्त दर्शन अभेदवादी दर्शन है, जो एक मात्र तत्त्व ब्रह्म की ही सत्ता को स्वीकार करता है, उसके अतिरिक्त अन्य सम्पूर्ण जगत् को मिथ्या मानता है, इसलिए उसके अनुसार उपनिषद् के सभी वाक्य एक ही अर्थ ब्रह्म का ही प्रतिपादन करते हैं। उसके अतिरिक्त किसी पृथक् अर्थ को नहीं कहते हैं। इसीलिए अद्वैतवेदान्त दर्शन उपनिषद् के वाक्यों में अखण्डार्थ को स्वीकार करता है, जिसकी सिद्धि के लिए विभिन्न परिभाषाओं एवं उदाहरणों को प्रस्तुत करता है, जिससे एकमात्र तत्त्व ब्रह्म की सिद्धि हो सके।

इस कारण अद्वैतवेदान्त दर्शन की दार्शनिक परम्परा में अखण्डार्थ का महत्वपूर्ण स्थान है, जिस पर उसका अभेदवादी दर्शन स्थिर है।

2.2 अखण्डार्थ लक्षण निराकरण

अद्वैतवेदान्त के अभेदवादी होने के कारण द्वैतवादी सम्प्रदाय का खण्डन स्वतः हो जाता है, जिससे द्वैतवेदान्त सम्प्रदाय कदापि सहन नहीं कर सकता, इसलिए अद्वैतवेदान्त का खण्डन द्वैतवेदान्त की दृष्टि से अनिवार्य हो जाता है। उसमें भी अखण्डार्थ तो वेदान्त का मूल है, इसलिए उसका खण्डन किए बिना द्वैत की सिद्धि नहीं हो सकती। द्वैतमतवाला श्री व्यासतीर्थ ने न्यायामृत के द्वितीय अध्याय में सर्वप्रथम अखण्डार्थ को अपने खण्डन का आधार बनाया है, जिसमें अद्वैतवेदान्त के विभिन्न आचार्यों का खण्डन कार्यक्रम से किया गया है, जिसका वर्णन प्रस्तुत है-

2.2.1 प्रथम लक्षण प्रस्तुतीकरण

प्रथम लक्षण के अनुसार अखण्डार्थ से अभिप्राय है, "भेद रहित अर्थों की प्रतीति कराना"। अर्थात् जो वाक्य

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शोध-पत्र



डॉ. राजेन्द्र कुमार

जापान, चीन एवं मंगोलिया में बौद्ध वास्तुकला

जापान, चीन और मंगोलिया में बौद्ध वास्तुकला की भूमिका अत्यंत महत्वपूर्ण रही है। यहाँ बौद्ध धर्म के प्रचार और प्रसार के साथ-साथ उसकी स्थापत्यकला को भी महत्वपूर्ण धार्मिक, सांस्कृतिक, और ऐतिहासिक महत्व दिया गया है। इन देशों में बनाए गए बौद्ध मंदिर, विहार, और स्तूप धर्म के महत्वपूर्ण स्थलों के रूप में माने जाते हैं, जो धार्मिक और सांस्कृतिक परंपराओं का प्रतिनिधित्व करते हैं। इन भूमिकाओं के माध्यम से, बौद्ध वास्तुकला ने इन देशों की सांस्कृतिक और कला विरासत को विश्व स्तर पर प्रस्तुत किया है।

जापानी बौद्ध वास्तुकला
जापानी बौद्ध वास्तुकला के विकास को मुख्य रूप से निम्नलिखित अवधियों में विभाजित किया जा सकता है।

असुका और नारा काल
बौद्ध धर्म और बौद्ध वास्तुकला का आगमन जापान में प्रायः 6वीं शताब्दी में चीन से कोरिया के माध्यम से हुआ था, उसी समय जापान देश में बौद्ध मंदिरों का निर्माण शुरू हो गया था, लेकिन स्थानीय कामी के समर्थक के शत्रुतापूर्ण व्यवहार के कारण, उनकी स्थापत्य शैली का कोई लिखित प्रमाण नहीं है, किन्तु बाद में राजकुमार शोटोकू से बौद्ध धर्म को समर्थन मिला और उन्होंने ओसाका (593) में बौद्ध मंदिर, शितेन्जोजी और इकारुगा (603) में अपने महल के पास होरीयू-जी के निर्माण का आदेश दिया।¹ इस अवधि के दौरान, मंदिर के लेआउट को सख्ती से निर्धारित किया गया और उसका पालन किया गया। इस अधिनियम ने स्थापत्य शैली को अक्षुण्ण बनाए रखने में सहायता प्रदान की। इस अवधि में मुख्य द्वार का निर्माण दक्षिण की ओर किया गया था और मध्य द्वार के माध्यम से सुलभ अर्ध-संलग्न छत वाले गलियारे से घिरा हुआ सबसे पवित्र क्षेत्र था। मंदिर परिसर में बुद्ध प्रतिमा के साथ मुख्य हॉल और शिवालय भी हैं जिसमें पवित्र वस्तुएँ हैं। अन्य संरचनाओं में एक व्याख्यान कक्ष, एक घंटाघर, एक सूत्र भंडार, पुजारियों और भिक्षुओं के क्वार्टर और स्नानागार सम्मिलित हैं।

नारा काल में काफी अलग वास्तुशिल्प विकास देखे गए। पगोडा और मुख्य हॉल जैसी मंदिर संरचनाएं आकार में काफी बढ़ गई थीं।² पगोडा की नियुक्ति एक अधिक परिधीय स्थान पर चली गई और छत के ट्रेकिंग सिस्टम की जटिलता में वृद्धि हुई क्योंकि छतें बड़ी और भारी हो गईं।

8वीं शताब्दी में, कामी पूजा और बौद्ध धर्म में सामंजस्य स्थापित किया गया और इस प्रकार दोनों समूहों के समर्थन के लिए तीर्थ-मंदिरों की स्थापना की गई। बौद्ध धर्म और कामी पूजा का यह सह-अस्तित्व 1868 के कामी और बुद्ध के पृथक्करण आदेश तक जारी रहा।

हियान काल
इस अवधि में, जापानी तत्वों, स्थानीय मान्यताओं के साथ बौद्ध धर्म अधिक स्थानीय था। इस स्थानीयकरण के साथ फुजिवारा ने मिचिनागा और सेवानिवृत्त सम्राट शिरकावा ने नए मंदिरों का निर्माण किया और इसलिए जोदो-क्यो वास्तुकला और नई वेयो स्थापत्य शैली विकसित की।³

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Kanika Kakar, Ph.D.

Assistant Professor

Department of Sociology

Janki Devi Memorial College, University of Delhi



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Urbanisation, Climate Change and Policy: A Study of Delhi

Abstract

Flooding during monsoons, poor air quality, thick smog, extreme cold and heat waves are not uncommon for the residents of Delhi. These are harsh realities of climate change that beset many urban centers in India. This article explores the deep impact of urbanisation process on the climate of Delhi effecting the biophysical environment of the inhabitants of Delhi. The state of Delhi was the first to release its Climate Change Agenda, 2009-2012 in line with the National Action Plan on Climate Change, 2008. A growing interest of city administrators and policy makers to formulate plans on climate change and action is further evident since its incorporation as one of the SDGs by the UN in 2015. The article reviews the plans, measures and action taken up by the Delhi government to combat climate change over the years. It is well known that climate change exacerbates the vulnerability of poor and marginalised groups. Following a social justice perspective, the article critically assesses the efficacy of climate change policy in Delhi in representing and addressing the interests of the vulnerable and marginalised groups in the city.

Key words: urbanisation, climate change, anthropogenic, natural ecosystem, policy, vulnerable

Introduction

Flooding during monsoons, poor air quality, thick smog, extreme cold and heat waves are not uncommon for the residents of Delhi. These are harsh realities of climate change that beset many urban centres in India. 'Climate change has been one of the greatest ecological and social challenges of the 21st century' (Dietz, Shwom and Whitley 2020: 135). Over the past two decades or so there is an increasing realisation globally that cities are the key drivers of



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(दिल्ली विश्वविद्यालय)/(University Of Delhi)

सर गंगा राम अस्पताल मार्ग, नई दिल्ली-110060
Sir Ganga Ram Hospital Marg, New Delhi-110060

दूरभाष/Tel. : 49876630, ई-मेल/E-mail : jdmcollege@hotmail.com, वेबसाइट/Website : http://jdm.du.ac.in

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**INTERNATIONAL JOURNAL OF CREATIVE
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Ancient Indian Knowledge System And Its Application In Higher Education

Dr. Jayanti P Sahoo
Associate Professor
Department of Philosophy
Janki Devi Memorial College
University of Delhi

When we talk about the Ancient Indian Knowledge system and its uses one thing that comes to our mind is its richness and eternity. The oral traditions of India focused on many aspects such as Spiritual, Scientific, Philosophical, Religious, Cultural, and Linguistic. The traditions were never dogmatic. "The oral texts, we said, are highly structured." "The Indian mind is acutely taxonomic and the layered structure of the texts reflects the structured analysis of the domain of knowledge. Overt organizers such as *codhikaranga* and *prakarana* signify the inter-relationships and the order of treatment of subjects."¹

Dialogue, debate, and discussions between the Purva paksha and Uttar paksha prove that logic and rationality were a part of the Ancient Indian Knowledge system. The *Nyāyavāda* of Akṣarapāda Gāutama is the earliest extant systematic treatise on Indian logic. The earliest word designating the science of logic is *Anavikṣiki*. Kautilya, in his *Arthśāstra*, states that *Anavikṣiki* is the science that enables people to evaluate their strengths or weaknesses.... *Anavikṣiki* was held in great esteem by those who accepted the importance of reasoning for the ascertainment of truth. For instance, Gautama's *Dharmasūtra*, maintains that the kings must go through a course of training in *Anavikṣiki*. ... *Nyāya* has been enumerated by Yājñavalkya amongst the fourteen principal sciences and Maharshi Vyāsa clearly states that he has taken great help from *Anavikṣiki* in the arrangement of the Upanishads.² Diversity in India is celebrated. Diversity is established through traditional knowledge in various fields such as Art and literature, Dance, drama and music, Yoga, Sports, Agriculture, Basic Sciences, Engineering and Technology, Architecture, Management, Economics, etc. The *Anekāntavāda* (relativistic pluralism of Jaina metaphysics), Concept of *Sunyata* and *Bodhisattvavāda*, *Nyāya-vaiśeṣika padārtha*, *Sāṃkhya Plurality of Puruṣas* and *Vedānta* views on *Brahman* and *Māyā* relationship celebrates diversity.

