



Loyola Knowledge Resource Centre
(Library)

Current Contents Service

July 2023

Volume : 12 Issue : 7

DR , SUNIL KUMAR P . (CHIEF LIBRARIAN)

Mr, PRASANTH M.S (Asst. LIBRARIAN)

AKSHAY KRISHNAN . R.S

KAJAL A ANAND

RASEENA .N.T

LOYOLA COLLEGE OF SOCIAL SCIENCE

Sreekariyam , Trivandrum

KERALA - 695017



Loyola Knowledge Resource Centre
(Library)

Current Contents Service

July 2023

Volume : 12 Issue : 7

DR , SUNIL KUMAR P . (CHIEF LIBRARIAN)

Mr, PRASANTH M.S (Asst. LIBRARIAN)

AKSHAY KRISHNAN . R.S

KAJAL A ANAND

RASEENA .N.T

LOYOLA COLLEGE OF SOCIAL SCIENCE

Sreekariyam , Trivandrum

KERALA - 695017

TABLE OF CONTENTS

JULY 2023

DOWN TO EARTH	1-4
ECONOMIC AND POLITICAL WEEKLY	5-8
THE INDIAN JOURNAL OF INDUSTRIAL RELATIONS	9-10
JOURNAL OF RURAL DEVELOPMENT	11-14
RALLY	15
YOJANA	16

DownToEarth

Founded in 1992 to arm you with knowledge critical to shaping a better world

FOUNDER EDITOR Anil Agarwal
EDITOR Sunita Narain
MANAGING EDITOR Richard Mahapatra
CHIEF COPY EDITOR Snigdha Das
ASSOCIATE EDITORS Aditya Misra, Rajit Sengupta
MULTIMEDIA EDITOR Arnab Pratim Dutta
SENIOR CREATIVE DIRECTOR Ajit Bajaj
SUPPLEMENT EDITOR Souparna Banerjee
CHIEF CARTOONIST Sorit Gupta
REPORTING TEAM Shagun, Akshit Sangomla, Pulaha Roy, Rohini Krishnamurthy, Zumbish, Seema Prasad, Himanshu N
SUB EDITOR Dakshiani Palicha
WEB EDITORS Rajal Ghai, Preettha Banerjee, Nandita Banerji, Arya Rohini
DESIGN TEAM Chaitanya Chandan (Art Editor), Ritika Bohra (Assistant Art Editor), Tarun Sehgal (Senior Designer), Yogendra Anand (Illustrator), Shri Krishan
PHOTO EDITOR Vikas Choudhary
PHOTO LIBRARY Anil Kumar
PRODUCTION Rakesh Shrivastava, Gundhar Das
TECH SUPPORT Rajendra Rawat, Jaidev Sharma
MULTIMEDIA Joel Michael, Aishwarya Iyer, Sunny Gautam, Midhun Vijayan
INFORMATION AND RESEARCH SUPPORT Kiran Pandey, Susan Chacko, Madhumita Paul, Sheeja Nair, Lalit Maurya, Dayanidhi Mishra
CONSULTING EDITORS Anumita Roychowdhury, Vibha Varshney

Vol 32, No 4; Total No of Pages: 60

Editorial, subscriptions and advertisements
 Society for Environmental Communications,
 41, Jughatpabad Institutional Area, New Delhi 110 062.

Phone 91-11- 40616000, 29956124,
 29956110, 29956394, 29956399 | Fax: 91-11- 29955879.
 Email editor@downtoearth.org.in

©2023 Society for Environmental Communications. All rights reserved throughout the world. Reproduction in any manner is prohibited. Printed and published by Richard Mahapatra on behalf of Society for Environmental Communications. Printed at International Print-o-Pac Limited, B-204, 205, Okhla Industrial Area, Phase I, New Delhi-110020, India, and published at 41, Jughatpabad Institutional Area, New Delhi 110 062.

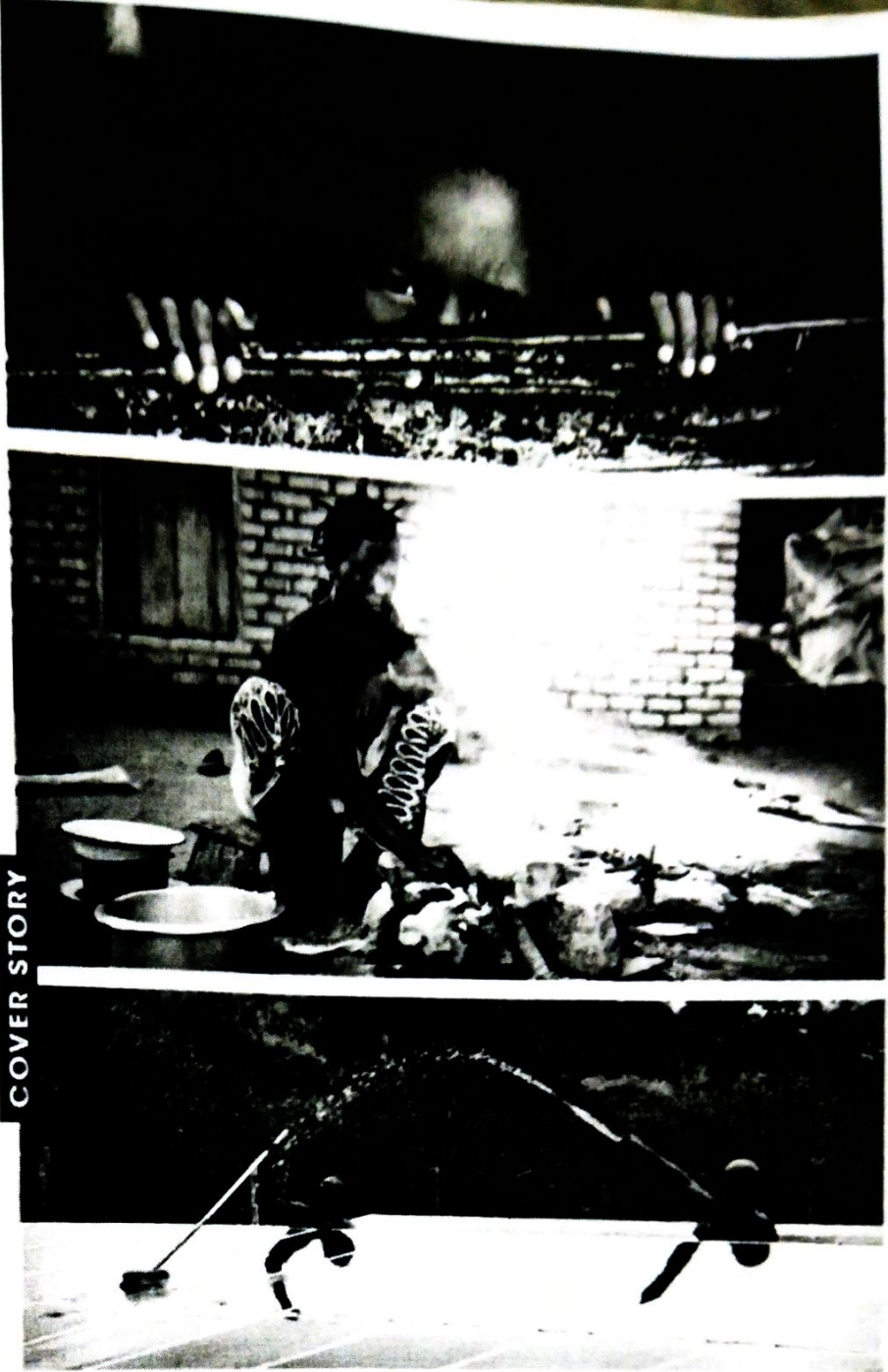
To subscribe, send 'the Subscriber' to 56070 or visit www.downtoearth.org.in/subscribe

FOR ADVERTISEMENTS Jyoti Ghosh
 jghosh@cseindia.org

FOR SUBSCRIPTIONS
 K C R Raja, raja@cseindia.org



©Cover design: Ajit Bajaj



COVER STORY

28

A jump to renewables is the only way for Africa to achieve energy security, and it must happen now

12 Digest

Himalayan glaciers melting 65% faster, threatening river flow

14 Dirty waters

How Buddha Nullah toxins travel from central to southwest Punjab

20 Bonn

The last major meet to frame COP28 agenda inconclusive

22 Sinking cities

Groundwater extraction causes subsidence across states

26 Cyclone Biparjoy

Storm system gained energy from a warmer Arabian Sea

42 Patently Absurd

AI shakes up norms on intellectual property rights



58 Civil Lines

Countries commit to transform agrifood systems

Contents

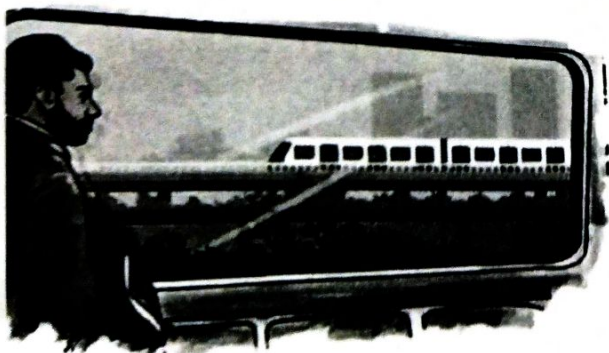
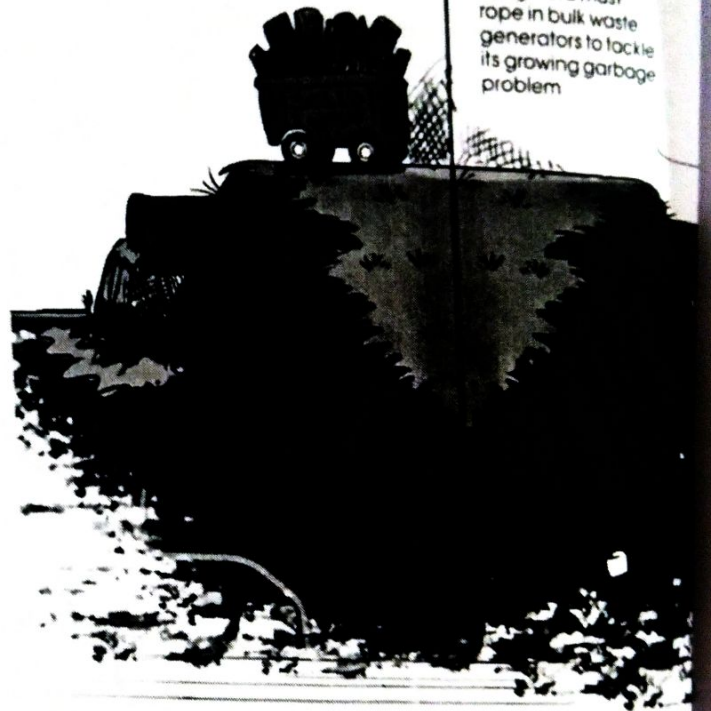


46

With nearly a third of India's tigers living outside protected areas, should the animal's population be capped?

50

Bengaluru must rope in bulk waste generators to tackle its growing garbage problem



52

Delhi Metro, a force of change for the city's planning, politics

56

Silver cockscomb can be added to food plates as a leafy green vegetable



DownToEarth

Founded in 1992 to arm you with knowledge
critical to shaping a better world

FOUNDER EDITOR Anil Agarwal
EDITOR Sunita Narain
MANAGING EDITOR Richard Mahapatra
CHIEF COPY EDITOR Snigdha Das
ASSOCIATE EDITORS Aditya Misra, Rajit Sengupta
MULTIMEDIA EDITOR Arnab Pratim Dutta
SENIOR CREATIVE DIRECTOR Ajit Bajaj
SUPPLEMENT EDITOR Souparno Banerjee
CHIEF CARTOONIST Sorit Gupta
REPORTING TEAM Shagun, Akshil Sangomla,
Pulaha Roy, Rohini Krishnamurthy, Zumbish,
Seema Prasad, Himanshu N
SUB EDITOR Dakshini Palicha
WEB EDITORS Rajat Ghal, Preetha Banerjee,
Nandita Banerji, Anya Rohini
DESIGN TEAM Chaitanya Chandan (Art Editor),
Ritika Bohra (Assistant Art Editor), Tarun Sehgal
(Senior Designer), Yogendra Anand (Illustrator),
Shri Krishan
PHOTO EDITOR Vikas Choudhary
PHOTO LIBRARY Anil Kumar
PRODUCTION Rakesh Shrivastava, Gundhar Das
TECH SUPPORT Rajendra Rawat, Jaidev Sharma
MULTIMEDIA Joel Michael, Aishwarya Iyer,
Sunny Gautam, Midhun Vijayan
INFORMATION AND RESEARCH SUPPORT
Kiran Pandey, Susan Chacko, Madhumita Paul,
Sheepa Nair, Lalit Maurya, Dayanidhi Mishra
CONSULTING EDITORS Anumita Roychowdhury,
Vibha Varshney

Vol 32, No 8; Total No of Pages: 60

Editorial, subscriptions and advertisements
Society for Environmental Communications,
41, Jughlakabad Institutional Area, New Delhi 110 062.

Phone: 91-11-40616000, 29955124,
29956110, 29956394, 29956399 | Fax: 91-11-29955879
Email: editor@downtoearth.org in

©2023 Society for Environmental Communications. All rights
reserved throughout the world. Reproduction in any manner
is prohibited. Printed and published by Richard Mahapatra on
behalf of Society for Environmental Communications. Printed at
International Print-o-Pac Limited, B-204, 205, Okhla Industrial
Area, Phase I, New Delhi-110020, India, and published at
41, Jughlakabad Institutional Area, New Delhi 110 062.

To subscribe, send 'the Subscriber' to 84070
or visit www.downtoearth.org.in/subscribe

FOR ADVERTISEMENTS: Jyoti Ghosh
jghosh@cseindia.org

FOR SUBSCRIPTIONS:
K.C.R. Raja, raja@cseindia.org

DownToEarth

WHETHER
NEW
ANTIBIOTIC?

◀ Cover design: Ajit Bajaj Cover Illustration: Yogendra Anand

Down To Earth does not endorse the content of advertisements printed in the magazine. All disputes are
subject to the exclusive jurisdiction of competent courts and forums in Delhi/New Delhi only.

COVER STORY



26

The world must continue
research and development
of new, effective antibiotics
to fight rapidly rising
antimicrobial resistance

10 Digest

Mangrove restoration saves Odisha
village from cyclone impacts

14 Guaranteed employment

As states roll out schemes for urban
dwellers, need for Central law grows

20 Ayurveda

Hurdles in training, practice limit
potential of the traditional system

24 River rejuvenation

Efforts to revive small rivers show
little progress across states



42 Patently Absurd

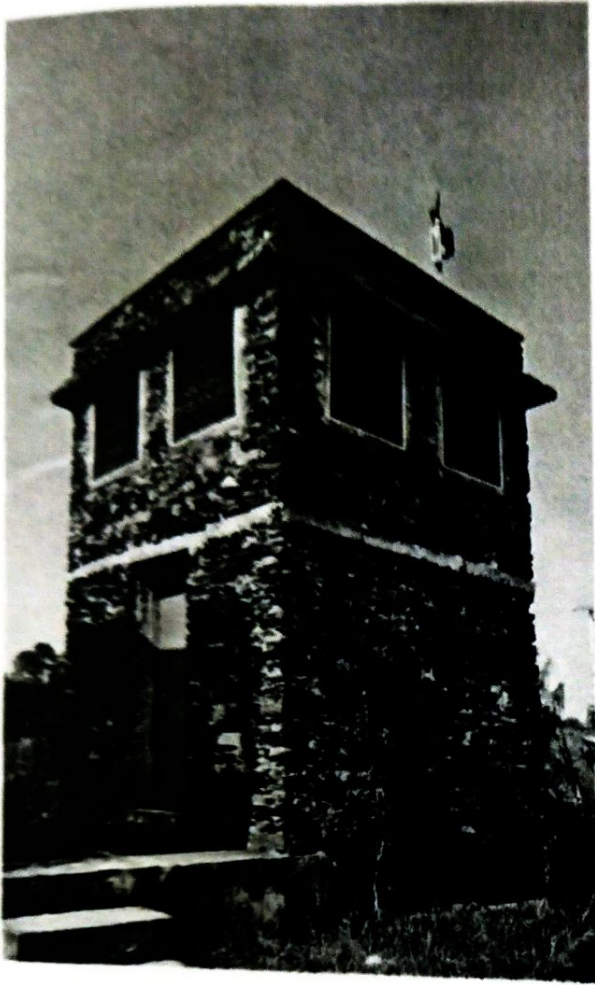
Will India water down patent laws
to secure free trade agreements?

58 Civil Lines

Latest data casts doubts on
India's ODF status, again

3

Contents



46

Energy-efficient cooling solutions that cater to different spaces, environment conditions



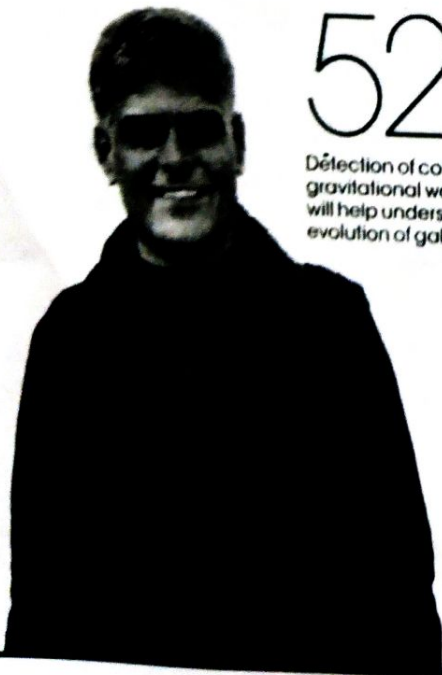
50

Non-profits, civil societies are turning to quick solutions in lieu of longer development approaches



52

Detection of colossal gravitational waves will help understand evolution of galaxies



56

Used across the Northeast the tangy fish mint has several health benefits



4

50 Years of the 'Basic Structure'

10 Forged by the judiciary while it tussled with the executive-legislature combined, the basic structure doctrine marks certain features of the Constitution as incapable of destruction. — **Yash Sinha**

Scheduled Caste Status for Dalit Muslims and Christians

14 The case of Dalit Muslims and Christians for being qualified as Scheduled Castes is obfuscated by a host of denials or fallacious arguments offered by their religious elites and by successive governments. — **Shireen Azam**

Cracking the Code

20 The 2023 Karnataka election results gave a much-required lifeline to the existential crisis faced by the Congress. — **Vineeth Thomas, Ranoj N K**

The Ugly Side of Football

24 Tragedies such as the one in Kanjuruhan Stadium in Malang, Indonesia in October 2022 throw light on the dark side of football. — **Ranojoy Sen**

Labour versus Labour

27 Echelons of labour in the production process are investigated. There is labour directed at the flow of output. — **Romar Correa**

Ranajit Guha (1923–2023)

30 Ranajit Guha's foundational contributions towards the project of *Subaltern Studies* conceived of new methods and ways of reading conventional sources of historiography, recovering the voices of the oppressed and the marginalised within it. — **David Hardiman**

Inequality as a Constraint on India's Growth

41 The study of economic growth in India has tended to be dominated by discussions on the effects of policies associated with liberalisation. Consequently, several other questions that are important to India's growth story have not received adequate attention. How does India determine how much it must save for growth? And who bears the burden of these savings through constraints on their consumption? — **Narendar Pani, Debosree Banerjee**

Towards a Feminist Fiscal Policy

49 With the COVID-19 pandemic receding in public memory, many of its long-standing effects on the economy and especially vulnerable groups such as women also seem to be forgotten. This is reflected in policymaking as well, as witnessed through a feminist analysis of budget documents. In particular, budgets over the last two fiscals have cut down allocations and expenditures on several key schemes meant for women and other vulnerable groups. — **Ritu Dewan, Jashodhara Dasgupta, Sona Mitra & Sruthi Kutty**

Seventy-five Years of the Uttar Pradesh Economy

56 Though improvement has taken place in most of the development indicators in the state, this paper shows that the relative position of Uttar Pradesh does not show any remarkable upward movement. UP still remains in the category of the least developed states with regard to socio-economic parameters. — **Ajit Kumar Singh**

Economic & Political WEEKLY

EDITORIAL

Lazy Banking Will Not Help.....7

COMMENT

Sexual Harassment and Its Unyielding Proofs.....8

FROM THE EDITOR'S DESK

Democracy as a *Tabula Rasa*9

FROM 50 YEARS AGO9

ALTERNATIVE STANDPOINT

50 Years of the 'Basic Structure':
The Best Compliment to 'We, the People'?
—Yash Sinha10

COMMENTARY

Scheduled Caste Status for Dalit Muslims
and Christians: A Comprehensive Clarification
—Shireen Azam.....14

Cracking the Code: How the Congress
Scripted Its Victory in the 2023 Karnataka
Assembly Elections
—Vineeth Thomas, Ranoj N K.....20

The Ugly Side of Football
—Ranojoy Sen.....24

Labour versus Labour
—Romar Correa.....27

Ranajit Guha (1923–2023): Renowned Historian
Who Pioneered *Subaltern Studies*
—David Hardiman.....30

BOOK REVIEWS

*Law, Justice and Human Rights in India:
Short Reflections—The Lived Experience of
the Law in India*
—Mayur Suresh.....33

*Streets in Motion: The Making of Infrastructure,
Property and Political Culture in Twentieth-
century Calcutta—Historicising the Street*
—Sudipto Basu.....35

*Becoming Young Men in a New India:
Masculinities, Gender Relations and Violence in
the Postcolony—Constructing Contemporary
Masculinities in Urban India*
—Arundhati.....38

SPECIAL ARTICLES

Is Inequality the Unstated Constraint on
India's Growth?
—Narendar Pani, Debosree Banerjee.....41

Towards a Feminist Fiscal Policy in
a Post-pandemic Economy
—Ritu Dewan, Jashodhara Dasgupta,
Sona Mitra, Sruthi Kutty.....49

Seventy Five Years of Uttar Pradesh Economy
—Ajit Kumar Singh.....56

CURRENT STATISTICS.....65

LETTERS.....4

EDITORIALS

Crimes against Humanity in Manipur 7
 Opposition in Search of a Viable Alternative 8

FROM THE EDITOR'S DESK

The Editor's Desk: Some Reflections 9

FROM 50 YEARS AGO

..... 9

STRATEGIC AFFAIRS

Germany in Central Asia
 — Atul Bhardwaj 10

COMMENTARY

To Regulate or Strangulate? An Ethics-based Framework for NBFC Regulation
 — Unninarayanan Kurup, Akash Poojari, Gopakumar K U 13
 Politics on Memes and Memes on Politics
 — Nikhil Kumar Gupta 17
 Does Access to Educational Institutions Signify Gaining Quality Education?
 — Parul Gastam, Jagdish Jadhav 21
 Delhi's Conundrum and the Need for Collaborative Federalism
 — Rekha Saxena 24

BOOK REVIEWS

Apple Is Our Livelihood—Unravelling the Interplay between Agriculture, Livelihood, and Identity
 — Waseem Ahmad Bhat 28
 Uneasy Translations: Self, Experience and Indian Literature—Intertwining Affect(s) of Sociality
 — Prashant Ramprasad Ingole 30
 The Disruptor: How Vishwanath Pratap Singh Shook India—The Disruptor Who Ignited Hope for the Marginalised
 — Vidya Bhushan Rawat 32

INSIGHT

Old Mysore Princely State and Muslim Reservation
 — Muzaffar Assadi 35

SPECIAL ARTICLES

Explaining the U-curve Trend of Female Labour Force Participation in Bihar
 — Aviral Pandey 38
 Innovations and Firm Performance in Informal Manufacturing Enterprises: Field-based Evidence from India
 — K Chandra Shekar, K J Joseph, Beena P L 49
 Discarding or Limiting the Essential Religious Practices Test: Why the Supreme Court Must Be Cautious?
 — Sayan Mukherjee 58

CURRENT STATISTICS

LETTERS

Germany in Central Asia

10 The Ukraine crisis has solidified the Sino-Russian geopolitical alliance.
 — Atul Bhardwaj

An Ethics-based Framework for NBFC Regulation

13 A critique of the aspects of the current regulatory framework for non-banking financial companies by the Reserve Bank of India is offered in this article.
 — Unninarayanan Kurup, Akash Poojari & Gopakumar K U

Politics on Memes and Memes on Politics

17 From social media to political campaigns, the presence of memes is felt in ways that transcend the mere purpose of humour. — Nikhil Kumar Gupta

Access to Educational Institutions and Quality Education

21 Drawing inferences from the major findings of the *Annual Status of Education Report*, it is suggested that there is a need for renewed collective efforts from the state, teachers, parents, and neighbourhood community to meet new educational challenges. — Parul Gastam, Jagdish Jadhav

The Need for Collaborative Federalism

24 It would be preferable to strengthen the consultative mechanism between the union government and the Government of Delhi. — Rekha Saxena

Old Mysore Princely State and Muslim Reservation

35 The argument that Muslims always sought to be represented in political institutions by instigating riots or agitations between communities throughout the colonial period is refuted by the Mysore princely state.
 — Muzaffar Assadi

Explaining the U-curve Trend of FLFP in Bihar

39 Despite Bihar's high economic growth rates over the past 15 years, its female labour force participation rate has declined, especially between 2004–05 and 2018–19, with a modest increase after 2018–19. This "u-curve" phenomenon of FLFP in Bihar is examined using the National Sample Survey Office and Periodic Labour Force Survey data. — Aviral Pandey

Innovations and Firm Performance

49 Based on an empirical analysis of 300 informal manufacturing firms in the National Capital Region of Delhi, it is found that innovative firms exhibit higher productivity growth and sales growth, underscoring the significance of the local market for informal manufacturing enterprises. Further empirical evidence about firm-level innovations and their implications for the informal sector is discussed. — K Chandra Shekar, K J Joseph & Beena P L

Discarding or Limiting the Essential Religious Practices Test

58 The essential religious practices test is employed by the Indian judiciary for the adjudication of matters of freedom of religion. While there is long-standing criticism of this test by legal scholars, it has its own utilities in the unique Indian social and legal context. Justice Sudhanshu Dhulia's opinion in the split verdict of the Supreme Court over the issue of wearing hijab by Muslim girl students strikes a balance between its demerits and its utilities. — Sayan Mukherjee

The Fate of Platform Workers in India

10 With a rapid increase in digitally mediated platforms to govern the world of work, the legal existence of workers' employment status is often overlooked.
— *Areesha Khan, Rahul Suresh Sapkal*

Public Funding for Research in Higher Education

14 How public funding can be better utilised for the promotion of research and inclusive expansion of higher education is discussed in this article.
— *C M Malish*

Unconventional Monetary Policy in Japan and the US

17 When most of the advanced countries are on the recourse to exit the path of unconventional monetary policy, it is time to review the unconventional monetary policy from the lens of tool purchase by central banks under quantitative easing. — *Surobhi Mukherjee*

In Search of a More Innovative Innovation Index

25 The construction of the India Innovation Index by the NITI Aayog and the Institute for Competitiveness is a timely initiative that gained significant traction in academic and policy circles. — *K J Joseph, Kiran Kumar Kakarlapudi*

Assessing India's Energy Balances

30 Comparison of the data from the Ministry of Statistics and Programme Implementation and the International Energy Agency for 2019-20 shows that the two energy balance estimates are different. — *Manisha Jain*

Lahori Ram Balley (1930-2023)

36 As a committed follower of B R Ambedkar's vision, Lahori Ram Balley (1930-2023) devoted his life to advancing the cause of social justice and equality. — *Ronki Ram*

Monetary Policy Debates in the Age of Deglobalisation

43 This article is the third and the last in a series on monetary policy debates in the age in which deglobalisation became a buzzword. The ongoing Turkish monetary policy experiment is analysed by focusing on the macro-prudential measures, capital controls, and central bank independence as examples of these debates. — *Hasan Cömert, T Sabri Öncü*

Digital Education and Muslim Female Students

52 The experience of the COVID-19 pandemic shows that excessive reliance on digital technologies for delivery of education can sharpen the inequalities in learning. In Bhiwandi, both a metropolitan and a digital periphery in Maharashtra, such unequal learning opportunities further marginalised the citizens of the locality. — *Abdul Shaban, Ayona Datta & Sheema Fatima*

Exploring Abortion Laws

59 Abortion has long been a divisive issue in the rights debate, particularly when it is presented as a conflict between a woman's right to choose and an unborn child's right to live. Unsafe abortion can lead to long-term issues detrimental to woman's health and psychological well-being, in addition to acute health risks and even fatality. — *Pooja Kapoor*

Economic & Political WEEKLY

EDITORIALS

Papering over the Cracks	7
Reforming the Goods and Services Tax	8

FROM THE EDITOR'S DESK

Politics in a Desperate Need for Dialogue	9
---	---

FROM 50 YEARS AGO

.....	9
-------	---

LAW & SOCIETY

Amid a Legal Conundrum: The Fate of Platform Workers in India — <i>Areesha Khan, Rahul Suresh Sapkal</i>	10
--	----

COMMENTARY

Public Funding for Research in Higher Education: The Perspective of Equity and Diversity — <i>C M Malish</i>	14
--	----

Unconventional Monetary Policy in Japan and the United States: New Perception and Different Learnings? — <i>Surobhi Mukherjee</i>	17
--	----

In Search of a More Innovative Innovation Index for India — <i>K J Joseph, Kiran Kumar Kakarlapudi</i>	25
--	----

Assessing India's Energy Balances: Climate and SDGs — <i>Manisha Jain</i>	30
---	----

Lahori Ram Balley (1930-2023): A Reputed Ambedkarite and Social Activist — <i>Ronki Ram</i>	36
---	----

BOOK REVIEWS

<i>Periyar: A Study in Political Atheism</i> —Revealing the Complexities of Periyar — <i>Scott R Stroud</i>	38
---	----

<i>Rule of the Commoner: DMK and the Formations of the Political in Tamil Nadu, 1949-1967</i> — Contradictions within the Practices of a People's Party — <i>Raj Sekhar Basu</i>	40
---	----

PERSPECTIVES

Monetary Policy Debates in the Age of Deglobalisation: The Turkish Experiment—III — <i>Hasan Cömert, T Sabri Öncü</i>	43
---	----

SPECIAL ARTICLES

Overlapping Marginalities: Digital Education and Muslim Female Students in Bhiwandi — <i>Abdul Shaban, Ayona Datta, Sheema Fatima</i>	52
---	----

Exploring Abortion Laws: A Case Study of Bangladesh, India, Russia, and the United States — <i>Pooja Kapoor</i>	59
---	----

CURRENT STATISTICS	64
--------------------------	----

LETTERS	4
---------------	---

Atmanirbharta in Statistics

- 10 The Economic Advisory Council to the Prime Minister has questioned the adoption of international standards in three key sectors and has suggested developing standards that produce statistical indicators in tune with the national narrative. — *P C Mohanan, Amitabh Kundu*

Autonomous Regulation and Regulatory Risk

- 12 The Ministries of Railways and Coal have recently opened up their passenger train and commercial coal-mining segments to private participation. With this, there is a growing clamour for setting up independent sectoral regulators for these sectors. — *Kumar V Pratap*

E-Waste Management in India

- 16 According to the National Crime Records Bureau, 2021, there are a total of 59,220 cases that have been reported under the environmental pollution acts. However, the E-Waste (Management and Handling) Rules of 2010 are only preventive in nature. — *Yogesh Mishra, Susmita Priyadarshini Mishra*

Weather Uncertainties and Farmers' Income

- 22 Rising weather uncertainty has caused large-scale damage to crops in the last two years. In order to lower such risks, the cultivation pattern should move away from highly intensive input usage towards low-risk optimal input usage. — *Jatinder S Bedi, Gayatri Prabhakar*

Roller-coaster Ride of the Wheat Economy

- 31 The trends in wheat production and exports are analysed in this paper. It explains the consequences of decreasing productivity and lower procurement. However, tapping the full potential can ensure larger wheat exports and motivate higher production which can help in doubling farmers' income. But it can have a negative impact on food inflation. — *Roli Misra, Ashutosh Pandey*

Output and Employment in the Service Sector

- 38 India's exceptional growth pattern after the 1980s is attributed to the robust growth of the service sector. However, it is spearheaded largely by modern services than traditional ones and is more K-intensive than labour-intensive service. India's service sector is no exception to modern services-led growth owing to rising capital intensity and the worldwide phenomenon of technology-biased growth. — *Dipak Prakash*

Capital and Democracy in Tamil Nadu

- 106 The authors of *Rule of the Commoner: DMK and the Formations of the Political in Tamil Nadu, 1949-67* respond to the review by Rupa Viswanath (EPW, 1 April 2023) by presenting some of the core issues that this book is concerned with. — *Rajan Kurai Krishnan, Ravindran Sriramachandran & V M S Subagunarajan*

Postscript

- 111 *Rajat Sebastian* on how *Kaleidoscope* pushes the boundaries of non-linearity; *Mehak Majeed* on the lack of secure employment in higher education and its impact on women; *Radhika Jagtap* on the new kind of propaganda cinema emerging in India; and *Last Lines* by *Ponnappa*.

Economic & Political WEEKLY

EDITORIAL

Caste Ideology as the Basis of Humiliation

COMMENT

India in Quasi Alignment with the United States

FROM THE EDITOR'S DESK

A Victim's Complex Predicament

FROM 50 YEARS AGO

COMMENTARY

Atmanirbharta in Statistics and the Thrust on 'Make in India'

— *P C Mohanan, Amitabh Kundu*

Autonomous Regulation and Regulatory Risk: Why Railways and Coal Should Not Have Independent Sectoral Regulators

— *Kumar V Pratap*

E-Waste Management in India: Preventive Rather than Punitive

— *Yogesh Mishra, Susmita*

Priyadarshini Mishra

Weather Uncertainties and the Strategy to Raise Farmers' Income

— *Jatinder S Bedi, Gayatri Prabhakar*

BOOK REVIEWS

A Haunting Tragedy: Gender, Caste and Class in the 1866 Famine of Orissa—

Re-examining a Famine

— *Kanakalatha Mukund*

Reframing the Environment: Resources, Risk and Resistance in Neoliberal India—The Perils of Neo-liberal Environmentalism in India

— *Nitin D Rai*

SPECIAL ARTICLES

Roller-coaster Ride of the Wheat Economy of India

— *Roli Misra, Ashutosh Pandey*

Why Output Rises Faster than Employment in the Service Sector of India?

— *Dipak Prakash*

DISCUSSION

What Transforms? Capital and Democracy in Tamil Nadu

— *Rajan Kurai Krishnan, Ravindran*

Sriramachandran, V M S Subagunarajan

CURRENT STATISTICS

POSTSCRIPT

Changing Ways of Watching Content: But Has Anything Changed?—*Rajat Sebastian* (111)

Gendered Suffering and Informality in Indian Academia—*Mehak Majeed* (112)

The Portrayal of Resistance in Post-truth Populist Cinema—*Radhika Jagtap* (113)

Last Lines (114)

LETTERS

The Indian Journal of Industrial Relations

A Review of Economic & Social Development

VOLUME 59

NUMBER 1

JULY 2023

Contents

Articles

- | | | |
|---|--|-----|
| Gig Workers – Independent Contractors or Employees? | <i>R. Sridhar, K. Nanda Kumar & S. Panda</i> | 1 |
| Restaurant Waiters: The Precariat Before & During the Pandemic Times in Gujarat | <i>A. Venkataraman & L.R.K. Krishnan</i> | 16 |
| Social Security for Unorganized Workers in India: Still a Long Journey Ahead | <i>Bighnesh Dash Mohapatra & Chandan Kumar Sahoo</i> | 32 |
| Impact of Digital Infrastructure on Indian Economic Growth | <i>Suman Makkar & Aarushi Rajpal</i> | 47 |
| Prediction Efficacy of Intra-group Merger & Acquisition Deals: Evidence from India | <i>Pankaj Gupta</i> | 58 |
| Budget 2023, Financial Markets & Keynes on Interest Rates: A Study of Short-term Reactions | <i>Satya Prasad Padhi</i> | 76 |
| Antecedents of Employees' Augmented Personal Industry & Reduced Intentions to Quit: A Field Investigation in India | <i>Soumendu Biswas</i> | 88 |
| Happiness-LMX Relationship: Mediating Role of Perceived Organizational Support & Resilience | <i>Shailendra Singh</i> | 100 |
| Happiness of University Employees: Past, Present & Future | <i>T.K. Mandal & Upinder Dhar</i> | 115 |

**Leader-Member Exchange & Its Impact on
Relationship Conflict: A Generational Study**

*Ruchika Yadav &
Sushama Chaudhari*

126

**Positive Practices Instrument: An Examination
of the Factor Structure & Criterion-
Related Validity**

*John M. Coyne, Vishal Arghode,
Som Sekhar Bhattacharyya,
David Barker &
Nicholas C. Neupauer*

142

**Gender Neutral Workplaces in India for
Women's Career Advancement**

Seema Das & Sumi Jha

160

SRIC

Important Announcement

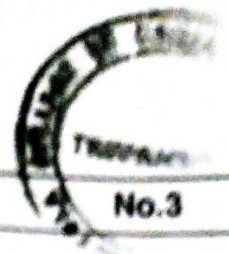
Editorial correspondence to be addressed to:
ijir@srcirhr.com

**IJIR announces the release of its back volumes (1965 onwards) in
JSTOR Archive as part of the Arts & Science IX Collection.**

To view the journal online please visit:

<http://www.jstor.org/action/showPublication?journalCode=indijindurela>

IJIR online www.irhrjournal.com



S. No.	Title	Page No.
1	<i>Transforming Rural Land to Urban – Ethical Considerations in Real Estate Development</i> Anthony De Sa , Satya N. Mandal, Deepak Bajaj and N. Sridharan	279
2	<i>Prevalence and Determinants of Nutritional Status among Preschoolers in a Rural Area of Thiruvananthapuram District, Kerala</i> Anju Susan Thomas and Gummadi Sridevi	296
3	<i>An Analysis of Determinants of Employment Benefits in MGNREG Scheme: Evidence from Haryana, India</i> Ankush Goyal, Rajender Kumar and Ankit Goyal	308
4	<i>The Status of Rural Infrastructure: A District Level Study of Maharashtra</i> Ranjan Kumar Dash, Jyoti Chandiramani, Shrabani Mukherjee, Bidyut Kumar Ghosh and Varun Miglani	318
5	<i>Multiseed Farming Technique: A Panacea for Food Insecurity among Tribes in Kerala</i> P. K. Sujathan and Prasad M.G.	340
6	<i>Fiscal Performance of Panchayati Raj Institutions (PRIs): An Empirical Analysis of the State of Andhra Pradesh in Pre and Post-Bifurcation Period</i> Jagadeesh Gontupulugu, Steven Raj Padakandla and Chandayya Makeni	357
7	<i>Promotion of Biodiversity Conservation and Local Livelihoods in Buxa Tiger Reserve: Challenges and Opportunities</i> Utam Das and Bhagirath Behera	373
8	<i>Sen's Capability Approach & Women Empowerment in Governance</i> Suparna Ganguly	387
9	<i>Book Review: We Too are Governments! Decentralisation, Pandemic and Climate Change Challenges</i> Arora R. Kumar	408

CONTENTS

**REASSESSING AGRI-FOOD SYSTEMS FOR SUSTAINING NUTRITIONAL
FOOD SECURITY: EVIDENCE, IMPERATIVES AND WAY FORWARD**

	Page
Is ICDS Intervention in Telangana Dwindling? A Quest	301
	<i>Gummadi Sridevi, Amalendu Jyotishi , Balaji Patturi and Matta Srinivas</i>
Climate Resilient Farming and Food Security of Farmers: A Study of Different Flood Hazard Zones of Assam	319
	<i>Md. Aktar Hussain and Pradyut Guha</i>
Mapping the Global Research Landscape Bibliometric Analysis of Agri-Food Systems and Nutritional Security	328
	<i>Raka Saxena, Devesh Kumar Pant, Satish Chandra Pant and Reeta Singh</i>
Summaries	343

SOCIO-ECOLOGICAL TRANSITIONS IN THE ADIVASI LANDSCAPE

Economic Analysis of Farming System of Apatani Farming Community in Arunachal Pradesh - A Way Forward for Sustainability	367
	<i>Lakshmi Dhar Hatai and A.K.Tripathi</i>
The Role of Forestry Income in Reducing Poverty and Inequality Among Baiga Tribes in Achanakmar Wildlife Sanctuary in Chhattisgarh	379
	<i>Devjit Nandi, Debashis Sarkar Bitan Mondal, Arti and Subrata Gorain</i>
Changing Dependence of Tribal Community on Forests for Food and Livelihood in Odisha	400
	<i>Sarba Narayan Mishra, Subhrajyoti Mishra, Rupa Basu, Ankhila R. H, Surya Sidhant Rath, Pujalipta Behera and Avisweta Nandy</i>
Summaries	410

ECOSYSTEM SERVICES BASED APPROACHES IN AGRICULTURAL POLICY MAKING

Alder-based Farming System of Nagaland: Valuating the Eco-Services from Nitrogen Fixing Trees	<i>Sheikh Mohammad Feroze, Limasunep Ozukum and Anirudha Roy</i>	420
Recreational Value of Wetland Ecosystem: Evidence from Harnke, Punjab	<i>Amit Guleria Arshdeep Kaur and Jasdev Singh</i>	432
Not Too Small to Benefit Society: Economic Valuation of Urban Lake Ecosystems Services	<i>V.Saravanakumar, S.As swath, S. Senthilkumar, Umanath Malaiarasan and R.Paramasivam</i>	444
Summary	460

ODISHA' S TRYST WITH MILLETS AND INTEGRATED FARMING: INCLUSIVE, SUSTAINABLE AND GOING GLOBAL

Millet-based Enterprises and Sustainability: Evidences from Farmer Producers Company in Kalahandi District, Odisha	<i>Saswat Kumar Pani, Damodar Jena, Nibal Dibat, Abha Mishra, Parul Jain and Pradeep Kumar Sahoo</i>	462
A Study on the Adoption and Impact of Improved Finger Millet Varietal Technology (Bada Mandia) in Odisha	<i>Sarba Narayan Mishra, K. Nirmal Ravi Kumar, M. Jagan Mohan Reddy, A. Nandy, B.K. Mandal and M. K. Das</i>	473
Consumer Awareness and Consumption Pattern of Millets and Millet-Based Products in Raipur City, Chhattisgarh	<i>Hulas Pathak, Kothuru Naga Madhu Kiran and A.K.Gauraha</i>	486

CONTENTS

v

Comparative Progress of Odisha in Millets Farming: An Inter-State Analysis through Agricultural Efficiency Index	<i>Mukesh Kumar</i>	501
Millet Economy of Odisha: How Far It is Viable and Sustainable?	<i>Deepak Shah</i>	515
Summaries	527
RAPORTEURS' REPORTS		
Rapporteur's Report on Reassessing Agri-Food Systems for Sustaining Nutritional Food Security: Evidence, Imperatives and Way Forward	<i>Alka Singh</i>	536
Rapporteur's Report on Socio-Ecological Transitions in the Adivasi Landscape	<i>H. S. Shylendra</i>	545
Rapporteur's Report on Ecosystem Services Based Approaches in Agricultural Policy Making	<i>D. Suresh Kumar</i>	562
Rapporteur's Report on Odisha's Tryst with Millets and Integrated Farming: Inclusive, Sustainable and Going Global	<i>Srijit Mishra</i>	566
OBITUARY: Dr. M. S. Swaminathan		573

ACKNOWLEDGEMENT

We are grateful to Indian Council of Social Science Research for providing financial support for publication of four issues of Vol. 78 of the Journal for the year 2023.

We are grateful to National Bank for Agriculture and Rural Development for providing financial support for publication of this Conference Number (July-September 2023) of the Journal which contains the papers accepted for discussion on the four themes at the 83rd Annual Conference of the Indian Society of Agricultural Economics.

Contents

Editor
Fr. J Benjamin S.J.

Editorial Board
Fr. N. Sarathi, S.J.
Prof. Gladston Xavier
Prof. Manoj
Dr. Bosco
Sch Paulus Marandi
Sch Kiran

Associates

Edison
Jaya
Vincy
Praveen

Layout
Nazares

Cover Design
Mr. Jeeva

Subscription

Regular	
Rally	Rs. 100.00
Students	Rs. 100.00
Foreign	US\$ 25.00
Life Contribution	Rs. 1,500.00

Rallying Point	03
AICUF in Solidarity	04
Youth Skills Development	05
Creativity – Trade Mark of Youth	07
Bridge the gap, To achieve full potential	08
Skills and Creativity of the Rural Youth	09
Youth-Dazzling Stars of the Future	10
Unleashed	11
IMCS - Asia Pacific Council	12
AICUF State Reports	17

Topics for the Next Two Issues

August 2023 :
Indigenous People

September 2023 :
Protection of Liberal Education

CHIEF EDITOR
MANOGYAN RANI PALEDITOR
SHUCHITA CHATURVEDI

OUR REPRESENTATIVES

Ahmedabad: Sumanben A Machhar, Bengaluru: Yashwant Shehna, Bhubaneswar: Itishree Singh Rathaur, Chennai: Sanjay Ghosh, Guwahati: Maruf Alam, Hyderabad: Krishna Vandana P, Jalandhar: Gagandeep Kaur Devgan, Kolkata: Sumita Chakraborty, Mumbai: Sangeeta Godbole, Thiruvananthapuram: Sudha S Namboothiry.

JOINT DIRECTOR, PRODUCTION
D K C HRUDHAINATHCOVER DESIGN
BINDU VERMA

Yojana (English): Room No. 647, Soochna Bhawan, CGO Complex, Lodhi Road, New Delhi-110 003.
E-mail (Editorial): sec-yojanaeng-moib@gov.in

YOJANA, a development monthly published since 1957, is a theme-based journal providing in-depth analyses and views on socio-economic issues in the broader framework of government policies. Although published by the Ministry of Information and Broadcasting, YOJANA is not restricted to expressing the official point of view.

DISCLAIMER

- The views expressed in various articles are those of the authors and they do not necessarily reflect the views of the Government or the organisation/s they work for.
- Maps/flags used in the articles are only indicative and they do not reflect the political map or legal representation of the flag of India/any other country.
- The infographics/figures are provided by the authors through their reliable sources and YOJANA claims no responsibility for the same.
- Images, graphics and illustrations, wherever used, are mostly sourced from government channels and are indicative in nature.
- YOJANA does not own responsibility regarding the contents of the advertisements. The readers are requested to verify the claims made in the advertisements regarding courses, career-guidance books or institutions.
- YOJANA doesn't endorse or promote any brands or private entities presented as case studies in any of the articles.

SUBSCRIPTION/GRIEVANCES

Email: pdjuacr@gmail.com

Phone: 011-24367453

(Monday-Friday, 9:30 am- 6:00 pm)

Postal Address: Abhishek Chaturvedi, Editor, Journals Unit, Publications Division, Room No. 779, Soochna Bhawan, CGO Complex, Lodhi Road, New Delhi-110 003.

Please note that it will take at least eight weeks to start your subscription. Kindly raise your queries/grievances about non receipt of the journals only after this period.

IN THIS ISSUE

LEAD ARTICLE

6 SAHAKAR SE SAMRIDHI FROM PLANNING TO REALISATION
AMIT SHAH



FOCUS

17 STRATEGIC DIVERSIFICATION OF COOPERATIVES AND BUSINESS COMPETITIVENESS
Dr Manisha Paliwal



SPECIAL ARTICLE

24 EMPOWERING AGRICULTURE CREDIT COOPERATIVES THROUGH DIGITISATION
Anshu Singh

31 DEVELOPMENT PATHWAYS FOR NON-CREDIT COOPERATIVES
Dr Ishita G Tripathy
Nitisha Mann

39 COOPERATIVE ENTREPRENEURSHIPS FOR ECONOMIC DEVELOPMENT
Sagar Kisan Wadkar

47 ATMANIRBHAR BHARAT THROUGH COOPERATIVES
Dina Nath Thakur

53 INNOVATION AND TECHNOLOGY FOR FUTURE-READY COOPERATIVES
Prof Harekrishna Misra

60 FISHERY COOPERATIVES A BLUE OCEAN FOR ECONOMIC DEVELOPMENT
B K Mishra

69 ONE PACS ONE DRONE TRANSFORMING COOPERATIVE SECTOR THROUGH TECHNOLOGY
Sachin Kumar

76 REGENERATIVE AGRI-SUPPLY CHAIN MANAGEMENT
Sneha Kumari



REGULARS

C-2 DO YOU KNOW ? COOPERATIVES BASICS: FAQS

C-3 DEVELOPMENT ROADMAP WORLD'S LARGEST GRAIN STORAGE PLAN

UPCOMING ISSUE:

AZADI KA AMRIT MAHOTSAV

Number of pages: 84

Details of the Sales Outlets of the Publications Division on Page 35

YOJANA is published in Assamese, Bengali, English, Gujarati, Hindi, Kannada, Malayalam, Marathi, Odia, Punjabi, Tamil, Telugu, and Urdu.