



# TOC Journal Alert

## Table of Contents Pages of Select Journals

---

### May - August 2023

---

Swami Vivekananda Library and Resource centre Manav Rachna University  
Sector 43, Faridabad, Haryana 121004  
Tel: 91-129-4268525, 4268524

<https://mru.edu.in/university/swami-vivekananda-library-and-resource-centre/>; [info.library@mru.edu.in](mailto:info.library@mru.edu.in)

# Index

---

<b>Title</b>	<b>Page</b>
1. Corporate Law Adviser	3-5
2. Current Science	6-8
3. Edutracks	9-9
4. Harvard Business Review	10-12
5. Indian Journal of Engineering & Materials	13-15
6. Indian Journal of Physics	16-17
7. Indian Journal of Pure and Applied Physics	18-19
8. International Journal of Web Applications	20-21
9. Journal of Creative Communications	22-24
10. Journal of E – Technology	25-26
11. Journal of Information & System Management	27-28
12. Journal of Information Security Reasearch	29-30
13. Journal of Intelligent Computing	31-32
14. University	33-33
15. Vision	34-36

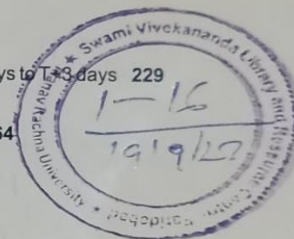
# CORPORATE LAW ADVISER

Since 1989

**CORPORATE | SEBI | BUSINESS | INSOLVENCY LAW FORTNIGHTLY**

## STATUTE

- Companies (Incorporation) (Second Amendment) Rules, 2023 **215**
- Reduction of Timeline for Listing of Shares in Public Issue from Existing T+6 days to T+3 days **229**
- Online Resolution of Disputes in the Indian Securities Market **242**
- SEBI (Foreign Portfolio Investors) (Second Amendment) Regulations, 2023 **264**
- SEBI (Settlement Proceedings) (Second Amendment) Regulations, 2023 **265**



## CASE REPORTS

### *Insolvency Law*

- The discharge or release of a principal debtor by an operation of law, it being an involuntary process, cannot lead to a discharge of the surety or guarantor. Resolution Plan does not ipso facto lead to a discharge of a personal guarantor of a corporate debtor. Sanction of a resolution plan and the finality imparted to it by section 31 does not per se operate as a discharge of the guarantor's liability (Del.) **303**
- When the committee of creditors ('CoC') has approved a resolution plan by 100 per cent voting share after considering its feasibility and viability, such decision of CoC is a commercial decision. There can be no fetters on the commercial wisdom of the CoC (NCLAT) **365**

### *Constitution of India*

- The writ of prohibition lies not only for excess of jurisdiction or absence of jurisdiction but the writ lies in a case of departure from the rules of natural justice (Del.) **303**

## MAGAZINE

- Decoding the Mediation Bill, 2023 – Can it be a Game Changer? **35**



Online Mobile Application

**VOLUME 175 (PART 4)  
AUGUST 2023 (SECOND)**

**• STATUTE 215-277 • CASE REPORTS 299-381 MAGAZINE 35-52**

(Total Pages 204)

35<sup>TH</sup> YEAR OF PUBLICATION

EDITOR  
B P BHARGAVA

MANAGING EDITOR  
R N SAHAI

ASSOCIATE EDITOR  
T V NARAYANASWAMY

COORDINATING EDITOR  
CS RAVIKANT

HON. CONSULTING EDITORS  
CS AMIT GUPTA  
CS ANSHUL KUMAR JAIN  
CS KARTHICK VARADARAJAN  
CS SUDHAKAR SARASWATULA  
CS SURENDRA U KANSTIYA

Printed and Published by Manuj Bhargava on behalf of Jus Scriptum Magnus Pvt. Ltd. Printed at Saurabh Printers Pvt. Ltd., B-280, Okhla Industrial Area, Phase - I, Delhi and Published at 8/294, 1st Floor, Sunder Vihar, New Delhi - 110087. Editor : B.P. Bhargava

Composed & Typeset by :  
A Arushi Graphics

Layout : Ashish Singhal & Ravi Mahore

#### ANNUAL SUBSCRIPTION

(JANUARY - DECEMBER) Rs. 10990  
Single Issue : Rs. 500

CLA comes in six volumes. While issue for first fortnight will be mailed on 10th/ 11th of the month, issue for second fortnight will be mailed on 25th/26th of the month. These issues should invariably reach subscribers by 15th/30th of each month respectively. Non-receipt of the issue should be notified promptly latest by 15th/30th of succeeding month.

The views expressed in the articles carried in this Journal are those of their authors alone, and should not be taken to reflect either the views or the policy of this Journal or those of the organisations to which they may belong or in which they may be employed.

The material contained in this journal is not intended to replace appropriate professional advice required before acting on any matter. The publisher, editors and authors will not at all be responsible in respect of anything and the consequences of anything done or omitted to be done by any person in reliance upon the contents of this magazine. This disclaimer applies to all whether subscriber to the magazine or not. © All rights reserved. No part of this Journal may be reproduced or copied in any form or by any means without the written permission of the Publisher.

© ALL RIGHTS RESERVED

For subscription correspondence :  
**CORPORATE LAW ADVISER**

(a division of Jus Scriptum  
Magnus (P.) Ltd.)

B-364, 4th Floor, Sector 19,  
Dwarka, New Delhi-110075  
011 - 46644669

info@claonline.in  
www.CLAonline.in  
ISSN 0970-8987

Mode of Citation [2023] 175 CLA ... (...)

# Contents

VOLUME 175 / 4

## STATUTE

### COMPANY LAW

#### Amendment Rules

- Companies (Incorporation) (Second Amendment) Rules, 2023 – GSR 584(E), dated 2nd August 2023 215

### COMPETITION LAW

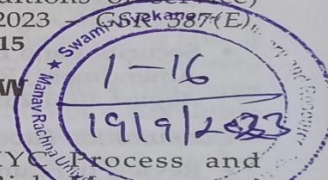
#### Amendment Rules

- Competition Commission of India (Number of Additional, Joint, Deputy or Assistant Director-General, other officers and employees, their manner of appointment, qualification, salary, allowances and other terms and conditions of service) (Amendment) Rules, 2023 – GSR 587(E), dated 4th August 2023 215

### SEBI LAW

#### Circulars

- Simplification of KYC Process and Rationalisation of Risk Management Framework at KYC Registration Agencies (KRAs) – SEBI/HO/MIRSD/FATF/P/CIR/2023/0144, dated 11th August 2023 222
- Timeline for the Exit Option Window Period for Change in Control of AMC – SEBI/HO/IMD/IMD-PoD-2/P/CIR/2023/142, dated 11th August 2023 224
- Procedure for Seeking Prior Approval for Change in Control – SEBI/HO/CFD/PoD-2/P/CIR/2023/141, dated 10th August 2023 225
- Reduction of Timeline for Listing of Shares in Public Issue from Existing T+6 days to T+3 days – SEBI/HO/CFD/TPD1/CIR/P/2023/140, dated 9th August 2023 229





## Contents • (ii)

- Facility to Remedy Erroneous Transfers in Demat Accounts – SEBI/HO/MIRSD/MIRSD-PoD-1/P/CIR/2023/139, dated 8th August 2023 232
- Transactions in Corporate Bonds through Request for Quote platform by FPIs – SEBI/HO/AFD/AFD-POD-2/P/CIR/2023/138, dated 7th August 2023 233
- Validity Period of Approval Granted by SEBI to Alternative Investment Funds (AIFs) and Venture Capital Funds (VCFs) for Overseas Investment – SEBI/HO/AFD/PoD/CIR/P/2023/137, dated 4th August 2023 234
- Corrigendum-cum-Amendment to Circular, dated 31st July, 2023 on Online Resolution of Disputes in the Indian Securities Market – SEBI/HO/OIAE/OIAE\_IAD-1/P/CIR/2023/135, dated 4th August 2023 235
- Offer for Sale Framework for Sale of Units of Real Estate Investment Trusts (REITs) and Infrastructure Investment Trusts (InvITs) – SEBI/HO/MRD/MRD-PoD-3/P/CIR/2023/134, dated 3rd August 2023 238
- Audit of firm-level performance data of Portfolio Managers – SEBI/HO/IMD/IMD-PoD-1/P/CIR/2023/133, dated 2nd August 2023 239
- Trading Preferences by Clients – Applicability for Commodity Derivatives – SEBI/HO/MIRSD/MIRSD-PoD-1/P/CIR/2023/132, dated 1st August 2023 240
- Online Resolution of Disputes in the Indian Securities Market – SEBI/HO/OIAE/OIAE-IAD-1/P/CIR/2023/131, dated 31st July 2023 242

### Amendment Regulations

- Securities and Exchange Board of India (Foreign Portfolio Investors) (Second Amendment) Regulations, 2023 – SEBI/LAD-NRO/GN/2023/143, dated 10th August 2023 264
- Securities and Exchange Board of India (Settlement Proceedings) (Second Amendment) Regulations, 2023 – SEBI/LAD-NRO/GN/2023/142, dated 9th August 2023 265

### Consultation Paper

- Review of Framework for Borrowings by Large Corporates – Consultation Paper, dated 10th August 2023 266

## CASE REPORTS

### HIGH COURT

- Vineet Saraf *v.* Rural Electrification Corporation Ltd. (Del.) 303

### NCLT / NCLAT

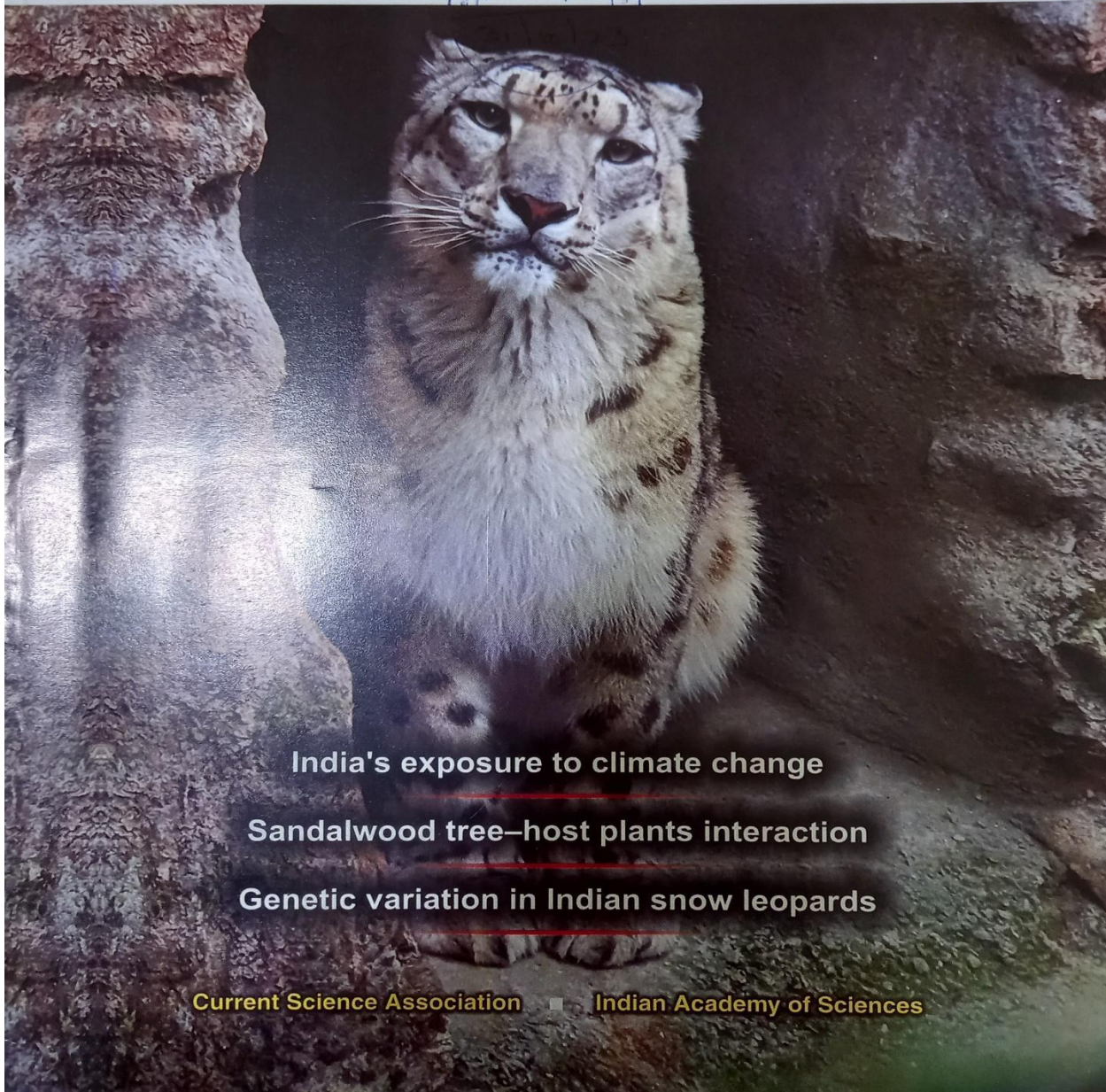
- Anil Kumar *v.* Jayesh Sanghrajaka (NCLAT) 365
- Jindal Steel & Power Ltd. *v.* IDBI Bank Ltd. (NCLT) 345

₹ 50

# CURRENT SCIENCE

Volume 125 Number 2

25 July 2023



India's exposure to climate change

Sandalwood tree–host plants interaction

Genetic variation in Indian snow leopards

Current Science Association ■ Indian Academy of Sciences



11-14  
31/10/2023

# CURRENT SCIENCE

**110 In this issue**

**EDITORIAL**

- 111 Classifying 'Normal' in health and nutrition: complicated, confusing and controversial!**  
Anand Krishnan

**CORRESPONDENCE**

- 113 Remnants of the rainbow trout (*Oncorhynchus mykiss*) stock in Kodaikanal hills, Western Ghats, South India**  
Walter Devaa and U. Ramesh

- 114 Role of ChatGPT in predicting protein-protein interactions**  
Partha Pratim Ray and Poulami Majumder

**NEWS**

- 115 Biomaterials and implants for dental, cranio-maxillofacial reconstruction and bone regeneration**  
Shikhar Krishn Jha, Kaushik Chatterjee, Aldo R. Boccaccini and Bikramjit Basu

- 117 Current Science Reports**

**COMMENTARY**

- 121 Charles Darwin's theory of evolution and his concept of species**  
B. N. Singh

**GENERAL ARTICLE**

- 124 Mapping India's exposure to climate change: a district level study**  
Ka. Sa. Kalaiarasi, Kritika Singh and Nisar Kannangara

**RESEARCH ACCOUNT**

- 130 *Santalum album*-host plants interaction: an incomplete story of semi-root parasite**  
Vishnu Raju, Ashish Agashe, Mushineni Ashajyothi, Kunasekaran Rajarajan, Naresh Kumar and Ayyanadar Arunachalam

**RESEARCH ARTICLES**

- 138 Understanding age-friendliness of cities and urban communities through the perceptions of senior citizens in Kolkata, India**  
Basudatta Sarkar and Haimanti Banerji

- 148 Mortality trends of breast cancer in BRICS countries from 1990 to 2019: an age-period-cohort analysis of the Global Burden of Disease study 2019**  
Chaojian Chen, Qiuping Yang, Huiting Tian, Jinyao Wu, Lingzhi Chen, Zeqi Ji, Daitian Zheng, Yexi Chen, Zhiyang Li and Hai Lu

- 156 Ecosystem services of coastal wetlands for climate change mitigation: an economic analysis of Pokkali and Kaipad-based rotational paddy farming systems in India**  
C. Ramachandran, Shinoj Parappurathu, Reshma Gills, A. R. Anuja, Shelton Padua, R. Ratheesh Kumar and N. Rajesh

- 165 Performance evaluation and optimization of solar operated plot thresher for chickpea seeds**  
Naveen Kumar, Santosh Rani and Ajay Kumar Sharma





- 172 **Effect of downwash airflow distribution of multi-rotor unmanned aerial vehicle on spray droplet deposition characteristics in rice crop**  
D. Yallappa, R. Kavitha, A. Surendrakumar, B. Suthakar, A. P. Mohan Kumar, M. K. Kalarani and Balaji Kannan
- 183 **Volatile cues from *Corcyra cephalonica* larva elicit behavioural responses in parasitoid, *Habrobracon hebetor***  
G. Basana Gowda, Totan Adak, P. D. Kamala Jayanthi, P. Saravan Kumar, G. Guru-Pirasanna-Pandi, Naveenkumar B. Patil, M. Annamalai and P. C. Rath
- 191  **$^{26}\text{Al}$ - $^{26}\text{Mg}$  isotopic studies in some calcium–aluminium-rich inclusions and chondrules from unequilibrated chondrites**  
Ritesh Kumar Mishra, Kuljeet Kaur Marhas and Mario Trieloff
- 204 **Neutral and adaptive genetic variation in Indian snow leopards, *Panthera uncia***  
Tirupathi Rao Golla, Laura Tensen, Vipin, Kesav Kumar, Satish Kumar and Ajay Gaur

---

#### BOOK REVIEW

- 210 **Terrestrial Atmosphere and Ionosphere: Physics and Experimental Techniques.** B. V. Krishna Murthy and M. Venkat Ratnam; *reviewed by* K. Krishnamoorthy
- 211 **Flight Dynamics, 2nd edition.** Robert F. Stengel; *reviewed by* N. Ananthkrishnan

---

#### PERSONAL NEWS

- 212 **Krityunjai Prasad Sinha (1929–2023)**  
G. Baskaran, V. M. Nandakumaran, R. K. Shankar, Anil Kumar Abburi, C. Sivaram, Usha Raut and B. S. Satyaprakash
- 



- ◀ **COVER.** Indian snow leopard 'Mayur' housed in Padmaja Naidu Himalayan Zoological Park, Darjeeling, India. Picture credit: Sneha Narayan, LaCONES, CSIR-CCMB, Hyderabad. See page 204.

Indexed in CURRENT CONTENTS/GEODATABASE/CHEMICAL ABSTRACTS/IndMED/SCOPUS/  
WEB OF SCIENCE



ISSN : 0972-9844

Annual Subscription ₹ 1000

India's Foremost Educational Monthly

# EDU TRACKS

May 2023  
₹ 83

A Monthly Scanner of Trends in Education

Vol. 22 No. 9

**ADJUSTMENT LEVEL  
HIGHER SECONDARY STUDENTS**

**TTF & SOCIAL MOTIVATION  
VIRTUAL CLASSROOM**

**SLOW LEARNERS  
COMMUNITY SUPPORT**

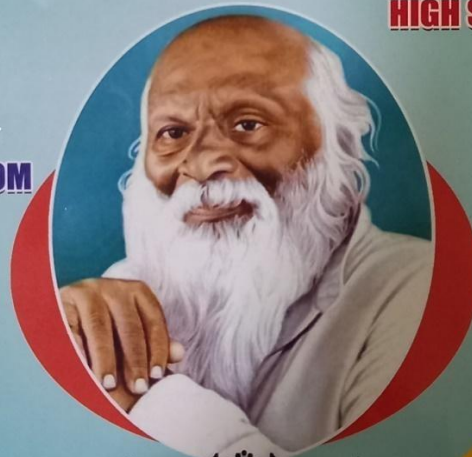
**EMOTIONAL, EDN ADJUSTMENT  
ACHIEVEMENT IN BIOLOGY**

**EDUCATIONAL SOCIOLOGY  
INDIA**

**ADJUSTMENT & AGGRESSION  
HIGH SCHOOL STUDENTS**

**FLIPPED LEARNING  
FLIPPED CLASSROOM**

**MAINSTREAMING  
DISABILITY**



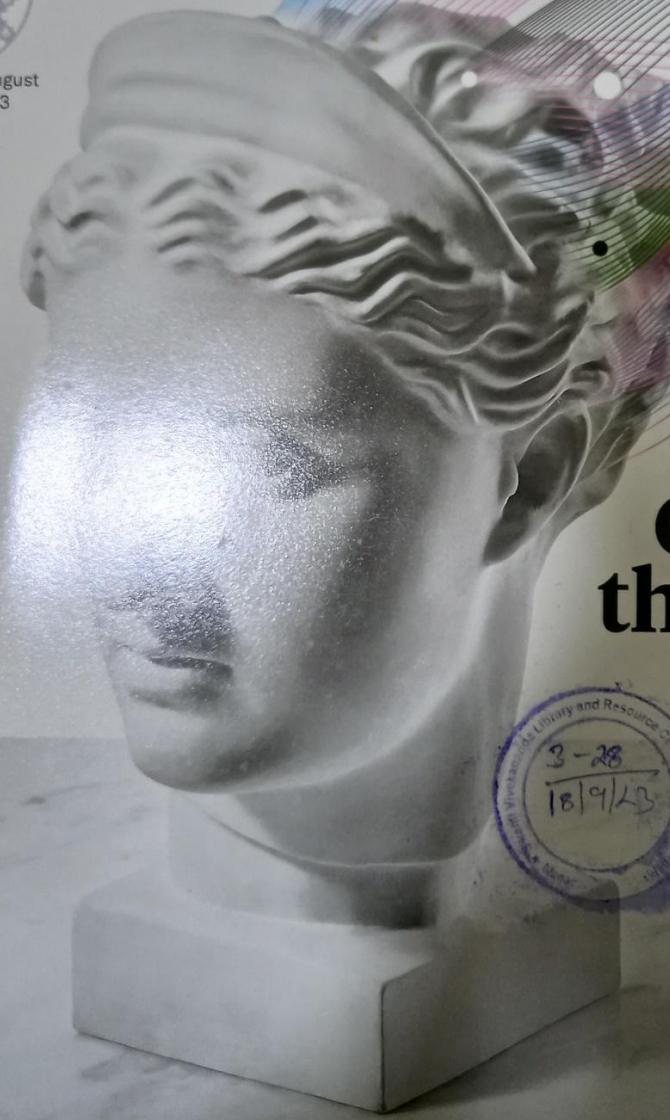
**UPLIFT OF BACKWARDS  
THROUGH EDUCATION**

Karmaveer Bhaurao Patil

# Harvard Business Review



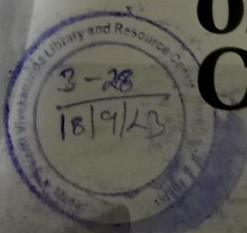
July–August  
2023



## Gen AI and the New Age of Human Creativity

How revolutionary  
technology can  
enhance, rather than  
replace, our powers  
of imagination

PAGE 56





"Cutting costs with the singular goal of realizing short-term savings is myopic."

"COST CUTTING THAT MAKES YOU STRONGER," PAGE 42

# Contents

July–August 2023

## 35 Spotlight

### The Right Way to Cut Costs

36

### Investing in Growth Through Uncertainty

Smart leaders embrace opportunities even as they reduce spending.  
*Ranjay Gulati*

42

### Cost Cutting That Makes You Stronger

How the most resilient companies position themselves to grow  
*Vinay Couto, Paul Leinwand, and Sundar Subramanian*

48

### Don't Eliminate Your Middle Managers

In lean times they can help you thrive—if you reimagine their roles.  
*Emily Field, Bryan Hancock, and Bill Schaninger*

COVER PHOTOGRAPH  
Yaroslav Danylchenko/  
Stocksy

COVER ILLUSTRATION  
Brian Stauffer

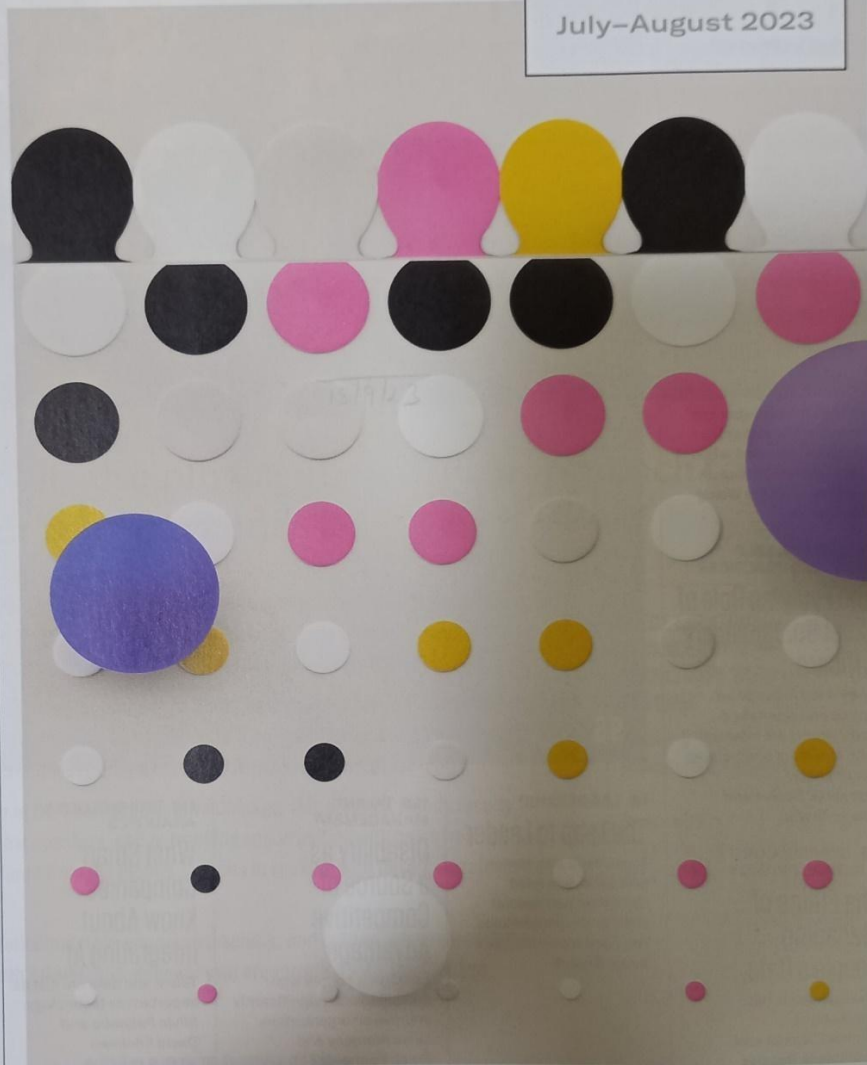


Illustration by PLASTICBIONIC

Harvard Business Review  
July–August 2023 5



July–  
August  
2023

55  
Features

56 AI & MACHINE  
LEARNING

How Generative  
AI Can Augment  
Human Creativity

Use it to promote  
divergent thinking.  
*Tojin T. Eapen et al.*

66 LABOR

The Labor-Savvy  
Leader

It's time for management  
to work with—rather than  
against—organized labor.  
*Roy E. Bahat, Thomas A.  
Kochan, and Liba Wenig  
Rubenstein*

76 SUSTAINABLE  
BUSINESS PRACTICES

The Evolving Role of  
Chief Sustainability  
Officers

They once focused on  
optics and reputation.  
Today many are interacting  
with investors and helping  
set strategy.

*Robert G. Eccles and  
Alison Taylor*

86 CYBERSECURITY  
& DIGITAL PRIVACY

The Ethics of  
Managing  
People's Data

The five issues that  
matter most  
*Michael Segalla and  
Dominique Rouziès*



96 LEADERSHIP

The Leap to Leader

To succeed as a senior  
executive, you need  
more than just special  
skills and competencies.  
You need a new mindset.  
*Adam Bryant*

106 TALENT  
MANAGEMENT

Disability as  
a Source of  
Competitive  
Advantage

Employing people with  
disabilities can significantly  
improve an organization.  
*Luisa Alemany and  
Freek Vermeulen*

116 TECHNOLOGY &  
ANALYTICS

What Smart  
Companies  
Know About  
Integrating AI

Talent and data are just as  
important as technology.  
*Silvio Palumbo and  
David Edelman*

126 CLIMATE CHANGE

Accounting for  
Carbon Offsets

Robust reporting  
principles to improve  
today's carbon-trading  
markets

*Robert S. Kaplan,  
Karthik Ramanna, and  
Marc Roston*

CSIR-NISCP



सौरभ पांडेय  
CSIR  
भारत का नवाचार इंजन  
The Innovation Engine of India  
A CSIR Publication

75  
Azadi Ka  
Amrit Mahotsav

Indian J Eng Mat  
JUNE 2023

CODEN: IEMSEW 30(3) 357-494 (2023)  
ISSN: 0971-4588 (Print); 0975-1017 (Online)  
ijems@niscpr.res.in

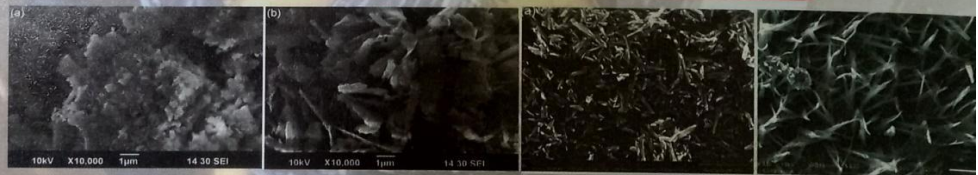
Single copy: ₹ 512.00 \$72.00  
Annual Subs: ₹ 2560.00 \$360.00

# Indian Journal of Engineering & Materials Sciences

296  
28

Special Issue on:

"Solid State Nuclear Track Detectors and their Application"



CSIR-National Institute of Science Communication and  
Policy Research  
New Delhi, INDIA

<https://niscpr.res.in>



# Indian Journal of Engineering & Materials Sciences

http://www.nisep.res.in; http://nopr.nisep.res.in; Impact Factor: 0.615 (JCR 2021)

**VOLUME 30****NUMBER 3****JUNE 2023**

CODEN : IEMSEW 30(3) 357- 494

ISSN : 0971-4588 (Print); 0975-1017 (Online)

**CONTENTS****Research Articles**

Tailoring the Properties of Nanocrystalline Tin(II) Selenide Films through Precursor Concentration Modulation Deep Shikha, Vimal Mehta, Mahesh Kumar, & R P Chauhan	365
Design and Optimization of MEMS based AlN sensor for Acoustic Application Mohini Sawane, Mahanth Prasad, & Rajesh Kumar	369
OSL Characteristics of Cu Activated NaLi <sub>2</sub> PO <sub>4</sub> Phosphor Bhuli Bai, & P D Sahare	376
Synthesis of MoS <sub>2</sub> @TiO <sub>2</sub> Nanosheets by Liquid Exfoliation Method for Wastewater Treatment Shweta, Pooja Singh, Vinamrita Singh, Kaushal Kumar, Sohan Lal, & Arun Kumar	383
Study of Enhancement in $\beta$ -phase and Dielectric Properties of Fe <sub>2</sub> O <sub>3</sub> Reinforced in PVDF Nanocomposite Thin Films Anuradha Teiwatia, Anuradha Sharma, Arun Kumar, Kaushal Kumar, Sohan Lal, & Lakshmi Sowjanya Pali	390
Thickness dependent structural, optical, and electrical properties of ZnSe Thin Films Tripti Gupta, & R P Chauhan	396
Structural, Morphological and Antibacterial Studies of Solvothermally Synthesized ZnS Nanostructures: Effects of Sulphur Precursors Lalita Rani, & R P Chauhan	402
Effect of Gamma Irradiation Induced Modifications in Tungsten Oxide Thin Films and Their Potential Applications Deepika Gupta, Vishnu Chauhan, S K Sharma, Satyendra Kumar, & Rajesh Kumar	409
Transient Current Investigations in Ion Irradiated Liquid Crystalline Polyurethane Sohan Lal, & J K Quamara	416
Electrochemical Performance of MnO <sub>2</sub> Composite with Activated Carbon for Supercapacitor Applications Sunaina Saini, Prakash Chand, & Aman Joshi	424
Electrical Properties of Gamma-rays Exposed 1D Nanostructures Devender Gehlawat, R P Chauhan, K Kant, & S K Chakarvarti	431
Ion-beam-induced Modifications of Nanocrystalline ZnO thin Films Grown by Atomic Layer Deposition Deepika Gupta, Shweta Sharma, Sonica Upadhyay, S K Sharma, Vishnu Chauhan, & Rajesh Kumar	437
Effect of Reaction Temperature on Structural and Optical Properties of CuS Nanoparticles Yukti, & Neena Jaggi	447
Study on the Effect of UV Exposure on WO <sub>3</sub> /PVA based Nanocomposite Films Jaspreet Kaur, Navneet Kaur, Savita, Tripti Gupta, R P Chauhan, & Annu Sharma	452
Analytical Mapping of Materials Science in Quantum Computing using Cite Space Vaishali Sood, & R P Chauhan	460

(Contd.)



Structural and Optical Features of Sago Starch Polymer Nanocomposites Embedded with Silicon Carbide Nanoparticle Savita, Navneet Kaur, Jaspreet Kaur, & Annu Sharma	468
Development and Characterization of PVA based Green Nanocomposite Membrane for Next Generation Sustainable Food Packaging Applications Abha, Sushil Kumar Singh, Anshuman Srivastava, & Nidhi Asthana	474
Structural and Optical Properties of Starch-Sodium Alginate Embedded with Cu-Ag Core-Shell Nanoparticles Navneet Kaur, Jaspreet Kaur, Savita, & Annu Sharma	484
Opto-structural Properties of Thermally Treated Zirconia Nanoparticles Saruchi Rani, Surbhi Verma, & Sushil Kumar	490

ISSN: 0973-1458

Volume 97 · Number 9 · August 2023

# Indian Journal of Physics

Official Publication  
of the Indian  
Association  
for the Cultivation  
of Science

For Circulation in India only

Indian Association for  
the Cultivation of Science



 Springer



# Indian Journal of Physics

Volume 97 · Number 9 · August 2023

## Astrophysics, Atmospheric and Space Physics

Boga P, Sripenem AS, Bonsi AN:  
Rotational curves decomposition of spiral galaxies using least square non-linear regression 2577

Maurya MK, Sultana R, Baghel RS, Pandey UK:  
Payload and sail loading dependence study of design sensitivity function and characteristic acceleration of solar sail 2591

## Atomic and Molecular Physics

Al-Bahnam NJ, Mahdi RI, Al-Numan AIA, Majid WHA:  
Describing the differential inelastic inverse mean free path of PMMA polymer with the Mermin–Bellacem–Sigmond model 2599

Arunachalam B, Manavalan R, Gopalakrishnan N:  
Effects of adjacent and opposite doping in  $Pt_3X_2$  duster using Ab initio method 2611

## BioPhysics

Ben Mariem I, Kaziz S, Belkhiina M, Echouchene F, Belmabrouk H:  
Numerical optimization of microfluidic biosensor detection time for the SARS-CoV-2 using the Taguchi method 2621

## Condensed Matter and Materials Physics

Bhattarai S, Hossain I, Maiti M, Pandey R, Madan J:  
Performance analysis and optimization of all-inorganic CsPbI<sub>3</sub>-based perovskite solar cell 2629

Jafarova VN:  
Study the electronic and magnetic properties of Mn-doped wurtzite ZnSe using first-principle calculations 2639

Koman AV, Gupta A, Bera S, Kaur B, Chakraverty S:  
Realization of electronic and optical single terminated surface of SrTiO<sub>3</sub> (001), (110), and (111) surfaces by chemical etching 2649

Kalpanambary ID, Ghosh S, Ghosh S, Sawale JS, Maurya KK, Kushvaha SS, Swachh SP, Singh R:  
Annealing induced structural morphology and electrical transport behavior of nebulized spray pyrolysis synthesized LaNiO<sub>3</sub> and NdNiO<sub>3</sub> thin films 2657

Katubi H, Shabdi M, Perwez S, Ghosh S, Ghosh MA, Ahmad S, Al-Burahi MS:  
Comprehensive computational study on phase stability, half metallicity, elastic and thermal properties of Fe-based intermetallic Heuser alloys for spintronics applications 2667

Gizel Y, Ozatık H, Akinci M, Kocak O:  
First-principles study on structural, electronic, and elastic properties of SrFCl 2685

Li M, An Z, Tan X, Wang J, Wang J, Ren Y, Sun S, Qi H, Yang Q:  
First-principles studies of structural and electronic features of Mo-doped diamond 2693

Bouazizi A, Elhouze M, Hillen F, Jorjola PB:  
Role of 5% of titanium substitution on magnetic properties of La<sub>0.67</sub>Ba<sub>0.22</sub>Sr<sub>0.11</sub>Mn<sub>0.95</sub>Ti<sub>0.05</sub>O<sub>3</sub> 2701

Bonačić-Lukić Z:  
The coupling of plasmon in metal with a dipolar mode in a monolayer of MoS<sub>2</sub> and WS<sub>2</sub> 2711

Nikam P, Kuravile N, Borole S, Ribeiro RAP, Lazaro SR, Rayaprol S:  
Neutron diffraction studies of Fe-substituted Mn<sub>2</sub>O<sub>3</sub> 2721

Kumar S, Kuntail J, Sahu DK, Yadav VS, Sinha I:  
Green synthesis of curcumin functionalized Au nanoparticles by visible light photo-reduction 2727

## General and Interdisciplinary Physics

Kamalakkannan J, Dhanapal C, Kothandapani M, Magesh A:  
Peristaltic transport of non-Newtonian nanofluid through an asymmetric microchannel with electroosmosis and thermal radiation effects 2735

Swain S, Sarkar S, Sahoo B:  
Flow and heat transfer analysis of a special third grade fluid over a stretchable surface 2745

Said SM, Jahangir A:  
Reflection of waves in a magneto-thermoelastic medium with diffusion in the context of memory-dependent derivative theory 2755

## Nonlinear Dynamics and Complex Systems

Rajawar C, Sinha A:  
A new study on integrated chirped solitary waves in an asymmetrical optical fibre 2765

Patil PM, Shankar HF:  
Double-diffusive nonlinear convection dusty fluid flow over a cone under the influence of activation energy 2771

## Nuclear Physics

Al-abyad M, Hassan HE, Solieman AHM, Dittroi F, Saleh ZA:  
Deuteron and  $\alpha$ -particle-induced nuclear reactions on <sup>49</sup>Sc: activation cross section measurement and thick target yield evaluation 2787

Li T-T, Wang H-L, Zhang Z-Z, Liu M-L:  
Probing the structural evolution along the fission path in the superheavy nucleus <sup>286</sup>Sg 2793

## Optics & Spectroscopy

Biswas B, Bera RN:  
Silver nanoparticle induced enhancement and quenching of fluorescence of thiol-capped CdS quantum dot 2809

Singh HN, Singh NS, Singh EG, Singh ThR, Singh SN:  
Spectroscopic analysis of the thermoluminescence glow curve of CaSO<sub>4</sub>:Dy phosphor by simplified general one-trap differential equation 2817

Du Z, Li Y, Liu H, Xia J, He J, Wei F, Lu Y:  
High sensitivity photonic crystal fiber temperature and refractive index sensor based on surface plasmon resonance 2821

## Particle Physics

Alawijeh PS, Tazimi N:  
Investigation of potential for heavy tetraquarks with hidden charm 2827

## Plasma Physics

Purohit G, Gaur B, Kothiyal P, Raizada A:  
Generation of strong terahertz field by relativistic cosh-Gaussian laser beam in ripple density magnetized plasma 2833

Ali R, Basnett A, Chatterjee P:  
Managing strong ion-neutral collision in dusty plasmas 2843

## Relativity and Cosmology

Sharif M, Naseer T:  
Influence of  $f(R, T, Q)$  gravity on cylindrical collapse 2853

Further articles can be found at [link.springer.com](http://link.springer.com)

Indexed/abstracted in Web of Science, SCOPUS, INSPEC, Chemical Abstracts Service (CAS), Google Scholar, Academic OneFile, Indian Science Abstracts, INS Atomindex, INSPIRE, International Bibliography of Book Reviews (IBR), International Bibliography of Periodical Literature (IBZ), OCLC, SCImago, Summon by Serial Solutions

Instructions for Authors for Indian J Phys are available at [www.springer.com/12648](http://www.springer.com/12648)



CSIR-NIScPR



A CSIR Publication

Indian J Pure & Appl Phys (Monthly)  
AUGUST 2023

Volume 61 (8) 639-708 (2023)

CODEN: IJOPAU

ISSN: 0019-5596 (print); 0975-1041 (Online)

ijpap@niscpr.res.in

Single Copy: ₹512.00 \$ 66.00  
Annual Subs: ₹5120.00 \$ 660.00

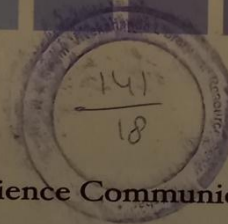
# Indian Journal of Pure and Applied Physics

JCR-2022  
Impact Factor  
0.7

<https://niscpr.res.in>

**NIScPR**  
National Institute of Science Communication and Policy Research  
सीएसआर-निसप्र

Published by  
**CSIR-National Institute of Science Communication  
And Policy Research**  
New Delhi, INDIA



# Indian Journal of Pure & Applied Physics

<http://www.niscpr.res.in>; <http://nopr.niscpr.res.in>;  
Impact Factor: 0.7 (JCR 2022)

VOLUME 61

NUMBER 08

AUGUST 2023

CODEN : IJOPAU 61(08) 639-708

ISSN: 0019-5596 (print); 0975-1041 (Online)

## CONTENTS

### Papers

- Non-aqueous Solution Processed CdZnTe Thin Film via Chemical Bath Deposition: Effect of Zn doping Variation  
S Surabhi, A Kumar & S R Kumar 645
- Natural Radioactivity, Radon Exhalation Rates and Radiation Doses in the Soil Samples Collected from the Vicinity of Kolaghat Thermal Power Plant, West Bengal, India  
R L Sharma, A K Mahur, R Mehra, S Chand, S A Ali, D S Gupta & H Singh 653
- Synthesis and Characterization of Fe<sub>3</sub>O<sub>4</sub>-oleate/Poly (vinyl alcohol) Nanocomposites for Electrical Applications  
T M Keskaraj, R F Bhajantri, C Chavan, S Bulla, M Anandalli, M S Pujar & M S Jadhav 659
- Mid-winter Stratospheric Warming Effects on Tropical Convection over the Indian Sector: Case Studies  
G J Rajagvathammal 671
- Room Temperature Ammonia Sensing of MoS<sub>2</sub> 2D Sheets Decorated with Polyaniline (PANI)  
A Akbar, M Das & D Sarkar 683
- Hydrothermal Carbonization of Walnut Shell Biomass to Biochar for Supercapacitor Application  
R Devi, V Kumar, S Kumar, M Bulla & P Singh 692
- Systematic Study of Incomplete Fusion Dynamics with Various Entrance Channel Parameters  
R Ali, D Singh, S A Tali, H Kumar, M A Khan, N Sharma, J J Mohapatra, L Chhura, M A Ansari, M H Rashid, R Guin, S K Das, R Kumar & S Muralithar 697

# INTERNATIONAL JOURNAL OF WEB APPLICATIONS

IJWA

ISSN 0974 - 7710 (Print)  
ISSN 0974 - 7729 (Online)

Vol 15 No 2 June 2023



A dline Journal



2-40  
26/9/2023

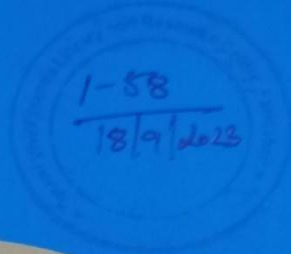
---

**International Journal of Web Applications Volume 15 Number 2 June 2023**

---

**Contents**

<b>Editorial</b>	<b>i</b>
<b>Research</b>	
The Lateral Dimension of the Artificial Neural Networks Switches with the Neural Approach- Rohan Dhuri, Tomislav Ciric, Olivera Pronic-Rancic, Vera Markovic, Zlatica Marinkovic	<b>35</b>
WLAN and Bluetooth Devices Standards using IEEE Protocols- Slaana Durasevic and Uroš Pešovic	<b>43</b>
High-Speed Railway Network and Hybrid Communication Systems- Adi Keruni and Ivaylo Topalov	<b>51</b>
<b>Conference Notification</b>	<b>58</b>
- The 5th International Conference on Real-time Intelligent Systems (RTIS 2023)	
- Special Issue on 'Managing Complex Computational Challenges' in Journal of Computational Methods in Sciences and Engineering	
- Third International Conference on Digital Data Processing University of Bedfordshire, Luton, UK	



*Journal of*  
**CREATIVE COMMUNICATIONS**

**Special Issue:** Communication in the Time of Uncertainty and Misinformation  
**Guest-Editor:** Yangsun Hong and Rajat Roy

**Volume 18 • Number 2 • 2023 • July**

find this journal **online**  
at [journals.sagepub.com/home/crc](https://journals.sagepub.com/home/crc)  
ISSN 0973-2586





**Special Issue:** Communication in the Time of Uncertainty and Misinformation  
**Guest Editors:** Yangsun Hong and Rajat Roy

## Contents

### Guest Editorial

- Communication in the Time of Uncertainty and Misinformation 131  
*Yangsun Hong and Rajat Roy*

### Original Articles

- COVID-19: Examining the Roles of Traditional and Social Media Attention in the Amplification of Risk 133  
*William Kinnally, Patrice A. Kohl, Steven Collins, Martin Eichholz and Chelsea Schafer*
- Bibliometric Review of Research on Misinformation: Reflective Analysis on the Future of Communication 149  
*Swetabh Pandey and Munmun Ghosh*

### Special Issues

- The Effect of Social Media on Preventive Behavioural Intention During the COVID-19 Pandemic: Mediating Roles of Interpersonal Communication, Social Media Expression and Knowledge 166  
*Woohyun Yoo, Sang-Hwa Oh and Taemin Kim*
- Analysis of the Engagement with COVID-19 Vaccination-Related Posts in Sri Lankan Health-Oriented Social Media: A Social Listening Approach 183  
*Poorna Fernando, R. A. D. L. M. K. Ranwala, I. K. Rasanka Ashoranga, Malinda De Silva and Sonali Apsara Lunuwila*

Relationships Between Social Media Use, Exposure to Vaccine Misinformation and Online Health Information Seeking Behaviour <i>Lyounghée Kim, Yangsun Hong, Sumaira Abrar and Courtney A FitzGerald</i>	199
Communication Strategies in Relation to COVID-19 in South Africa and Ghana: A Systematic Review <i>Akwasi Bosompem Boateng and Nkongo Gumedé</i>	214



ISSN:0976-2930(Online)

# Journal of E-Technology

Vol 14 No 3 August 2023

**A DLINE Journal**

3-62  
26/9/2023

---

**Journal of E - Technology Volume 14 Number 3 August 2023**

---

**Contents**

**Editorial**

i

**Research**

Quantity Allocation Among the Source Group for Software Applications-  
Plamen Donkov, Stefan Karakov 59

Testing Educational Softwares in Elementary Schools Using Student Surveys-  
Sediza Jusufi, Stojan Kitanov 67

A New Method to Develop  $N$ -Symmetrizable Hilbert Spaces with Definite Sets-  
Sonja B. Chelanić, Ljiljana Kotevska, Marzanna J. Seweryn-Kumanovska 76

**Conference Notification** 82

- The 8th International Conference on Real-time Intelligent Systems (RTIS 2023)
- Special Issue on 'Managing Complex Computational Challenges' in Journal of Computational Methods in Sciences and Engineering
- Third International Conference on Digital Data Processing University of Bedfordshire Luton, UK



ISSN 2230-8776

# ***Journal of Information & Systems Management***

Vol 13 No 2 June 2023



*A D-LINE Journal*

2-64  
26/9/2023

---

**Journal of Information & Systems Management Volume 13 Number 2 June 2023**

---

**Contents**

**Editorial**

i

**Research**

Finite Elements Driven by Power Lines to Permit Stream Density- 29  
Blagoja Arapinoski, Mirka P. Radevska, Metodija Atanasovski and Mitko Kostov

Elimination of Oscillations to Ensure Stable Operation of the Synchronous Generator and the 37  
Power System-  
Blagoja Stevanoski, Natasa Mojsoska

Reduction of CO2 Emissions to Achieve Energy Efficiency in Small and Medium Enterprises- 46  
Omer López Delgado

**Conference Notification** 53

- The 6th International Conference on Real-time Intelligent Systems (RTIS 2023)
- Special Issue on 'Managing Complex Computational Challenges' in Journal of Computational Methods in Sciences and Engineering
- Third International Conference on Digital Data Processing - University of Bedfordshire



ISSN 0976-4143(Print)  
ISSN 0976-4151(Online)

# **Journal of Information Security Research**

Vol 14 No 2 June 2023



A DLIN

---

**Journal of Information Security Research Volume 14 Number 2 June 2023**

---

**Contents**

**Editorial**

i

**Research**

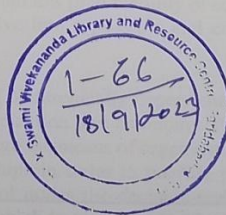
Artificial Information Security System Generation to Prevent Security Risks-  
Zoya Hubenova Filip Iliev, Antonio Andonov 29

Achieving Interoperability and Security in the Train-platform Interfaces-  
Kalin Mirchev and Denitsa Kireva-Mihova 34

Real-time Data Dependant Fuzzy Linear Model for Enterprise Security-  
Ivan Djordjevic, Gordan Stojic and Dobrila Petrovic 41

**Conference Notification** 49

- The 5th International Conference on Real-time Intelligent Systems (RTIS 2023)
- Special issue on 'Managing Complex Computational Challenges' in Journal of Computational Methods in Sciences and Engineering
- Third International Conference on Digital Data Processing University of Bedfordshire





ISSN: 0976-9005 (Print)  
ISSN: 0976-9013 (Online)

# Journal of Intelligent Computing

Vol 14 No 2 June 2023

2-68  
26/9/2023



**A DLINE Journal**



2-68  
26/9/2023

---

**Journal of Intelligent Computing Volume 14 Number 2 June 2023**

---

**Contents**

**Editorial**

**Research**

Physical Science Approach for Hybrid Electric Vehicle System Design - 31  
Gordana Janevska, Mitko Kostov and Goran Stojanovski

Lower Spectrum use to Improve Resource use in Optical Networks - 40  
Suzana Miladic-Tešić, Goran Markovic and Valentina Radojicic

GPS Dimensions and Navigation Systems for Unmanned Vehicle Systems - 47  
Ilija Iliev, Georgi Stanchev and Krume Andreev

**Conference Notification** 51

- The 5th International Conference on Real-time Intelligent Systems (RTIS 2023)
- Special issue on Managing Complex Computational Challenges in Journal of Computational Methods in Sciences and Engineering
- Third International Conference on Digital Data Processing University of Bedfordshire Luton, UK



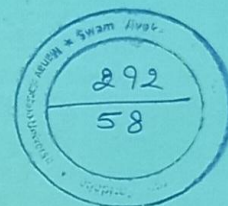
Rs. 30.00  
ISSN-0566-2257

# UNIVERSITY NEWS

*A Weekly Journal of Higher Education*

**Association of Indian Universities**

Vol. 61 • No. 31 • July 31-August 06, 2023



**Neeraj Saxena**

Redefining Doctoral Education with Independent Research Paths

**Chinmoy Kumar Ghosh, Subhash Chandra Samanta and Pradipta Panchadhyayee**

Road to Physics Curricula: Some Thoughts in the Light of National Education Policy–2020 and the Role of IAPT

**Shivakumar U Ganachari**

Rejuvenation of Andragogy for Sustenance in Quality Higher Education

**Prasenjit Das and Pranab Barman**

Optimal Learning Environment for Higher Education Students in the Context of National Education Policy–2020: An Analysis

**Jagdeep Dhankhar**

Execution of Ideas is the Key to Progress

– **Convocation Address**

*# Let's Create Atmanirbhar Bharat Together*



Volume 27, Number 4  
August 2023

# VISION

The Journal of Business Perspective

## REVIEW ARTICLES

A Consumer-Centric Paradigm Shift in Business Environment with the Evolution of the Internet of Things: A Literature Review  
*Sudesh Sheoran and Sanket Vij*

Examining the Impact of COVID-19 Pandemic on Online Education: Reviewing the Indian Schooling System Based on the Perspective of Major Indian E-tutoring Platforms  
*Vivek Suneja and Shabani Bagal*

## RESEARCH ARTICLES

Understanding the Relationship Between Customer Satisfaction, Customer Engagement and Repeat Purchase Behaviour  
*Devika Rani Sharma and Balgopal Singh*

Impact of Collective Intelligence and Collective Emotional Intelligence on the Psychological Safety of the Organizations  
*Shardul Shankar and Vijayshri Tewari*

Fit Perception and Engagement: The Mediating Role of Work Meaningfulness  
*Robinson James*

The Dynamics of Cointegration Between Economic Growth and Financial Development in Emerging Asian Economy: Evidence from India  
*Nalinprava Tripathy and Shekhar Mishra*

A Decade of Impact of Monetary Policy on Food Inflation: An Overview and Future Direction  
*Simranjeet Kaur*

Scope of Cloud Computing in Business: A Compendious and Methodical Analysis of Trends in Publications and Patents  
*Shagun Srivastava, Sarthak Agarwal, Rishabh Dubey, Amisha Murarka, Tanvi Naik, Abhishek Nimbharkar and Dhvani Kothari*

Corporate Governance Practices and Firm Performance in Emerging Markets: Empirical Insights from India and Gulf Countries  
*Waleed M. Al-ahdal, Faozi A. Almagtari, Mosab I. Tabash, Abdulwahid Abdullah Hashed and Ali T. Yahya*

## MANAGEMENT CASE

Mohalla Clinic: A Case on Healthcare Service Operations and Quality  
*Anupama Prashar*

## CASE ANALYSES

find this journal online  
at <http://journals.sagepub.com/home/vjs>  
ISSN 0972-2629





### Contents

#### Review Articles

A Consumer-Centric Paradigm Shift in Business Environment with the Evolution of the Internet of Things: A Literature Review 431  
*Sudesh Sheoran and Sanket Vij*

Examining the Impact of COVID-19 Pandemic on Online Education: Reviewing the Indian Schooling System Based on the Perspective of Major Indian E-tutoring Platforms 443  
*Vivek Suneja and Shabani Bagai*

#### Research Articles

Understanding the Relationship Between Customer Satisfaction, Customer Engagement and Repeat Purchase Behaviour 449  
*Devika Rani Sharma and Balgopal Singh*

Impact of Collective Intelligence and Collective Emotional Intelligence on the Psychological Safety of the Organizations 458  
*Shardul Shankar and Vijayshri Tewari*

Fit Perception and Engagement: The Mediating Role of Work Meaningfulness 474  
*Robinson James*

The Dynamics of Cointegration Between Economic Growth and Financial Development in Emerging Asian Economy: Evidence from India 485  
*Naliniprava Tripathy and Shekhar Mishra*

A Decade of Impact of Monetary Policy on Food Inflation: An Overview and Future Direction 498  
*Simranjeet Kaur*

Scope of Cloud Computing in Business: A Compendious and Methodical Analysis of Trends in Publications and Patents 510  
*Shagun Srivastava, Sarthak Agarwal, Rishabh Dubey, Amisha Murarka, Tanvi Naik, Abhishek Nimbhorkar and Dhvani Kothari*

Corporate Governance Practices and Firm Performance in Emerging Markets: Empirical Insights from India and Gulf Countries 526  
*Waleed M. Al-ahdal, Faozi A. Almaqtari, Mosab I. Tabash, Abdulwahid Abdullah Hashed and Ali T. Yahya*

## Management Case

Mohalla Clinic: A Case on Healthcare Service Operations and Quality  
*Anupama Prashar*

538

## Case Analyses

Case Analysis I: Mohalla Clinic: A Case on Healthcare Service Operations and Quality  
*Leena A. Kaushal*

553

Case Analysis II: Mohalla Clinic: A Case on Healthcare Service Operations and Quality  
*Parul Gupta*

556

Visit <http://journals.sagepub.com/home/vis>  
Free access to tables of contents and abstracts