



The Periodical section is located on the 1st Floor.



**Library Website** 

What resources are included here?

The Print journals & Magazines subscribed by the library are listed here.

13 How to suggest a Periodical?

Send us an email to libniser@niser.ac.in/kkgupta@niser.ac.in through proper channel

# TABLE OF PERIODICALS



01



### **Current Science**

September-2023, Vol. 125, Number 5

02



### **Current Science**

September-2023, Vol. 125, Number 6

## CURRENT SCIENCE

Volume 125 Number 5

10 September 2023



Insect-repellent food packaging film

Organic farming research in India

Marketing analysis of apple crop

Current Science Association Indian Academy of Sciences

462

In this issue

**GUEST EDITORIAL** 

T. Idhaya, A. Suruliandi and S. P. Raja

### **CURRENT SCIENCE**

Volume 125 Number 5 10 September 2023

463	The grand challenge of earthquake prediction C. P. Rajendran
	CORRESPONDENCE
465	Research performance in India during the 2016–2020 window Gangan Prathap
466	Need for geographical indication tag to Indian seaweeds: case of industrially important red seaweed <i>Gracilaria dura</i> (C. Agardh) J. Agardh Vaibhav A. Mantri
	NEWS
467	Current Science Reports
471	M. S. Swaminathan Research Foundation – Annual International Conference Sangeetha Rosemarie Rajeesh
473	Biodiversity and climate change: sustainable development perspective M. D. Behera, K. Subashree, K. Kumar, P. Deb and P. Chakraborty
	OPINION
475	Making environmental sustainability an integral part of agricultural research Govindasamy Senthilraja, Theerthagiri Anand and Mahalingam Govindaraj
476	Nano impacts: from science to society Ratul Kumar Das, Kshipra Misra, Saurabh Jyoti Sarma and Satinder Kaur Brar
	GENERAL ARTICLES
478	Integrating environmental sustainability concerns in agricultural higher education, research and innovations Hema Tripathi, Indira Prakash, Ritika Joshi and R. C. Agarwal
483	Trends in organic farming research in India (2002–2021) Ravindra S. Bankar and Shalini R. Lihitkar
	REVIEW ARTICLES
490	Implications of light pollution on human health and the environment: insights for the Indian medical and scientific community  H. Paramesh and Joshitha Sankam
494	Antigens of Mycobacterium tuberculosis with reference to diseases diagnosis and special emphasis on lipoarabinomannan Pooja Chaudhary, Arun P. Sikarwar, K. K. Mohanty and Shripad A. Patil
	RESEARCH ARTICLES
508	Stacked framework of machine learning classifiers for protein family prediction using protein characteristics

- 518 Spatial approach for the estimation of average yield of cotton using reduced number of crop cutting experiments

  Nobin Chandra Paul, Anil Rai, Tauqueer Ahmad, Ankur Biswas and Prachi Misra Sahoo
- 530 Marketing analysis of apple crop in High Hills of Himachal Pradesh Bharti, Kaustav Aditya and Sarita Devi
- Crop diversification vis-á-vis shifting cultivation in Karbi Anglong district of Assam: an empirical analysis
  Brota S. Bey, Rizwan Ahmed, Ram Singh and Saddam Hossen Majumder
- Water footprint assessment towards food sustainability for the valley region of Manipur, North East India
   N. Bidyarani Chanu and Bakimchandra Oinam
- 551 Effectiveness of insect-repellent food packaging film incorporating thymol against rice weevil, *Sitophylus oryzae*Aishah Mohd Marsin and Ida Idayu Muhamad
- Erratum: Degradation behaviour, impact of post-harvest processing and dietary risk assessment of frequently detected pesticides in curry leaves

  K. Bhuvaneswari, J. Kousika, P. Anuradha, V. Muralitharan and P. Karthik

  [Curr. Sci., 2023, 125(4), 422–427]

### RESEARCH COMMUNICATIONS

- Effect of cement dust on residents in the vicinity of Bokajan factory, Assam, North East India
  Darshana Chetia and Bijoylaxmi Bhuyan
- Copper-molybdenum-tungsten mineralization in granitoids around Kanchanpur-Thuni area, western Bundelkhand craton, central India S. N. Rana, P. Singh, S. K. Patle and V. P. Gaur

#### **BOOK REVIEWS**

- **Geology of Odisha.** J. K. Nanda, M. Mohanty and S. N. Mahapatro; *reviewed by* Sarada Prasad Mohanty
- 568 In Ernest Quest: E. J. Borges Legendary and Revered Cancer Surgeon. Renee Maria Borges; reviewed by Mario Vaz

### PERSONAL NEWS

- 570 Bikash Chandra Sinha (1945–2023) Sushanta Dattagupta
- J. Gopalakrishnan (1944–2023)
   A. Ramanan, S. Yashonath and A. K. Shukla

# CURRENT SCIENCE

◆ COVER. Photograph showing sulphide mineralization (molybdenite-chalcopyrite-pyrite) and associated chloritic alteration along fracture plane in granite, western Bundelkhand craton. See page 561.

## CURRENT SCIENCE

Volume 125 Number 6

25 September 2023



**Chemistry in theatre** 

Performance of crop yield forecasting models

Long-term ecological monitoring

### **CURRENT SCIENCE**

Volume 125 Number 6 25 September 2023

586	In this issue
	GUEST EDITORIAL
587	Choices in research ethics D. P. Kasbekar
	NEWS
589	Current Science Reports
593	GeoArt in the Indian context A. K. Grover
595	Indian Academy of Sciences, Bengaluru – 34th Mid-Year Meeting Arjun R. Krishnan
597	Impact of climate change in the rural landscape of Central Himalaya R. K. Maikhuri, Vidhu Gupta, Ravindra Rawat, Chandi Prasad Semwal, Girish Chandra Bhatt and Harendra Rawat
599	Urinary biomarkers M. B. Hiremath, Shridhar C. Ghagane and R. B. Nerli
	OPINION
600	Potential of nanotechnology in agriculture and food production: a frontier for sustainable development  Deepak Singh and Nisha Singh
	SCIENTIFIC CORRESPONDENCE
602	Label-free electrochemical immunoprobe for dengue infection marker detection Pandiyaraj Kanagavalli and Murugan Veerapandian
604	Machine learning-based approach on PRISMA data for mapping Nidar ophiolites in Ladakh, India Arya Pratap Singh, Mamta Chauhan, Koyel Sur, Ananya Srivastava, Prakash Chauhan and Richa U. Sharma
	GENERAL ARTICLES
608	Chemistry in theatre – Carl Djerassi's swansong Vaibhav Pathak and Adrene F. D'cruz
614	Strategies for strengthening farmer producer organizations in India based on the One District One Product scheme Shreya Anand, Souvik Ghosh and Anirban Mukherjee
	REVIEW ARTICLES
623	Long-term ecological monitoring and observation: a review in the context of Indian

Vikram S. Negi, Suresh K. Rana, Bhawana Dangwal, Shinny Thakur, K. Chandra Sekar

Irrigation scheduling based on canopy temperature and soil moisture status

Gurleen Kaur, Vandna Chhabra and S. Sreethu

and I. D. Bhatt

635



### RESEARCH ARTICLES

- Analysis of factors promoting the usage of electronic National Agriculture Market in Rajasthan, India
  Sushmita Saini, Basavaprabhu Jirli and Smruti Ranjan Padhan
- Evaluating the performance of crop yield forecasting models coupled with feature selection in regression framework

  Manoj Varma, Achal Lama, K. N. Singh and Bishal Gurung
- Occurrences of high-K calc-alkaline shoshonitic granitoids in the Northeastern part of Shillong Plateau, Meghalaya, India
  M. Faruque Hussain and Debjani Choudhury
- 665 Identifying suitable digital elevation models and deriving features for landslide assessment in Idukki District, Kerala, India
  A. Shameem Ansar, S. Sudha and Suresh Francis

### RESEARCH COMMUNICATIONS

- 678 Copper-gold mineralization and associated hydrothermal alteration around Suwara area, southern part of the Bundelkhand craton, Central India S. N. Rana, S. K. Ahirwar, V. P. Gaur and P. Singh
- Real-time hybrid simulation in the Pseudo-Dynamic Testing Facility at the Indian Institute of Technology Kanpur
  Hironmoy Kakoty, Chinmoy Kolay, Shubham Raj and Kamal K. Kar

#### **BOOK REVIEWS**

- **Terrestrial Atmosphere and Ionosphere: Physics and Experimental Techniques.** B. V. Krishna Murthy and M. Venkat Ratnam; *reviewed by* Duggirala Pallam Raju
- 693 Insects and their Beneficial Microbes. Angela E. Douglas; reviewed by Shantanu P. Shukla

### PERSONAL NEWS

695 Devki Nandan Kamra (1954–2022) Ranjan Kumar Mohanta



◆ COVER. GeoArt image of a 'Lady Humanoid' developed on Krishna River bank.
(Courtesy: Google Earth). See page 593.

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



Please do reach out to us if you need any additional information or assistance.

### **Central Library**

National Institute of Science Education and Research

Email: libniser@niser.ac.in / librarian@niser.ac.in

Contact No. 0674-2494171

Website: https://www.niser.ac.in/library

OPAC: https://opac.niser.ac.in/

Digital Repository: http://idr.niser.ac.in:8080/jspui

IRINS Faculty Profiles: https://niser.irins.org/











arv Repo

Web OPAC