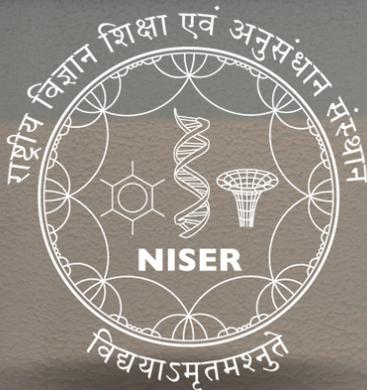


Table of Contents

March
2024



CENTRAL LIBRARY
— NISER BHUBANESWAR —

- 01 Where are these Periodicals?**
The Periodical section is located on the **1st Floor**.
- 02 What resources are included here?**
The Print journals & Magazines subscribed by the library are listed here.
- 03 How to suggest a Periodical?**
Send us an email to libniser@niser.ac.in/kkgupta@niser.ac.in through proper channel



Library Website

TABLE OF PERIODICALS



01



Current Science

March-2024, Vol. 126, Number 6

02



Current Science

March-2024, Vol. 126, Number 5

CURRENT SCIENCE

Volume 126 Number 6

25 March 2024



Metalized plastic

Cashless economy

Evolution of diabetes treatments

Current Science Association



Indian Academy of Sciences

CURRENT SCIENCE

634 In this issue**GUEST EDITORIAL**

- 635 The importance of evolution to academic biology and beyond**
Amitabh Joshi

CORRESPONDENCE

- 637 Reservoir-influenced land ecosystem**
Pulak Das
- 637 Insect-plant mutualism**
Krishna Kumar
- 638 Cyril Cedric Dover (1904-61) – a forgotten entomologist, zoologist and anthropologist of India**
Anantanarayanan Raman

NEWS

- 640 Current Science Reports**
- 644 Department of Science and Technology at the India Pavilion: COP 28 side event, Dubai, UAE**
Susheela Negi and Anita Gupta

GENERAL ARTICLES

- 646 Laboratory science: representations of reproductive biology in Carl Djerassi's *An Immaculate Misconception: Sex in an Age of Mechanical Reproduction***
Ajay Kumar and Adrene Freeda Dacruz
- 650 Cashless economy: the impact of digital innovation in India**
S. Sangeeta Kumari, K. M. Singh and Nasim Ahmad

REVIEW ARTICLE

- 662 The evolution of diabetes treatments: from insulin therapy to synthetic biology**
Shubhangi Sharma and Jaspreet Kaur

RESEARCH ARTICLES

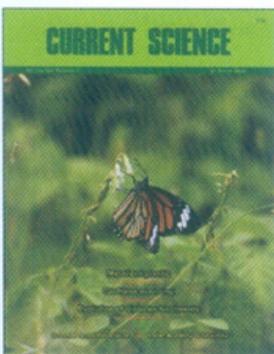
- 671 Metalized plastic: a material for a better world**
M. C. Rath
- 676 Climate-smart land management methods for enhancing the adaptive capacity of food production systems in the tropical regions**
A. Velmurugan, T. P. Swarnam, D. Burman, S. Mandal and T. Subramani
- 686 Designing design of expert for the treatment of sulphur black dye in textile effluents using zinc-oxide nanobioadsorbents**
Sangita Yadav, Subhash Chander and Asha Gupta
- 694 Spatial mapping of acidity and vegetal multi-micronutrients in soils of the Meghalaya Plateau, northeastern Himalaya, India**
Burhan U. Choudhury, Md. Zafar, Arumugam Balusamy, Prabha Moirangthem, Ramesh Thangavel, Manoj Kumar, Bibhash C. Verma, Hammylliende Talang, Samarendra Hazarika and Vinay K. Mishra



- 706 **AYUsearch: a repository to facilitate the biochemical understanding of natural products-derived chemical substances**
Komal Tilwani, Abhishek Patel, Ghanshyam Patel, Mrugendra Rahevar and Gayatri Dave
- 714 **Pollination of *Dipcadi saxorum* Blatt. (Asparagaceae: Scilloideae)**
Hensal Rodrigues, Kiran Chakral and Suchandra Dutta
- 721 **Mustard crop suitability mapping using analytical hierarchy process in the Imphal–Iril river sub-catchment, Manipur, India**
Ngangom Robertson and Oinam Bakimchandra
-

BOOK REVIEWS

- 731 **Resurgence of Agrometeorology: A Perspective Vision.** B. V. Ramana Rao and S. R. Ghadekar; *reviewed by* Rohini Mattoo
- 732 **Understanding the Physics of Toys: Principles, Theory and Exercises.** S. Rajasekar, R. Velusamy, Miguel A. F. Sanjuán; *reviewed by* Arvind Gupta
-



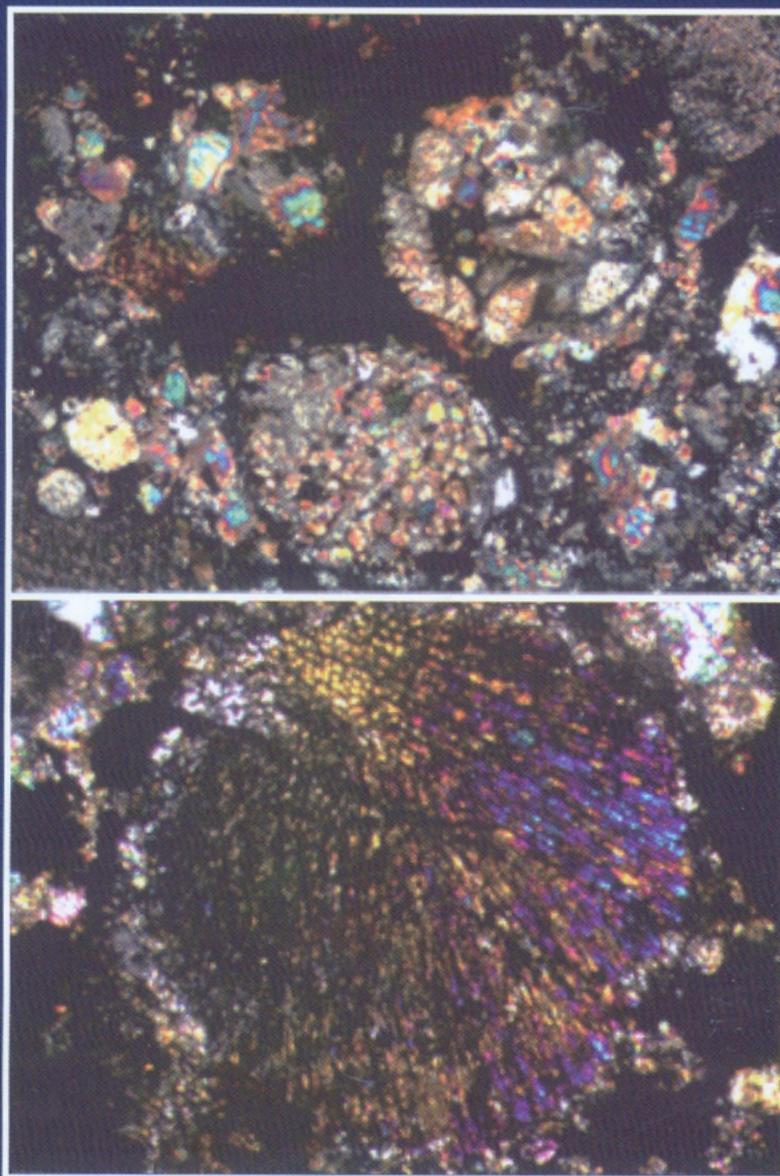
- ◀ COVER. *Danaus genutia* on *Dipcadi saxorum*. See page 714.

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

CURRENT SCIENCE

Volume 126 Number 5

10 March 2024



Groundwater monitoring network

Morphological changes in erythrocytes

Mineral chemistry of Mahadevpur H4/5 chondrite

CURRENT SCIENCE

Volume 126 Number 5

10 March 2024

518 **In this issue**

GUEST EDITORIAL

- 519 **Critical thinking and integration of history-and-philosophy-of-science content in college-science education**
Anantanarayanan Raman

CORRESPONDENCE

- 521 **Shanghai Ranking's Global Ranking of Academic Subjects 2023**
Gangan Prathap
- 522 **G-20 countries and research collaboration**
Bakthavachalam Elango; *Response by* Vivek Kumar Singh, Anurag Kanaujia, Prashasti Singh, Jyoti Dua and Hiran H. Lathabai

NEWS

- 524 **Current Science Reports**
- 528 **The 2024 King Faisal International Prize for Science and Medicine**
Sameen Ahmed Khan
- 529 **The Hutton Symposium**
Abhishek Kumar Madhesiya
- 530 **BRICS Young Scientists and Innovators Forum**
S. K. Vazeed Pasha, Sanjeev Kumar Varshney and Arindam Bhattacharyya

OPINION

- 532 **The Biological Diversity (Amendment) Bill 2023: a balancing act of rights and obligations**
Padmesh P. Pillai
- 534 **Convalescent millets combating against non-communicable diseases**
Aayushi Nagwanshi, Tapas Chakma, Suman Kumar Ray, Kritika Singh and Suyesh Shrivastava

COMMENTARY

- 536 **Save the Sundarbans**
K. Kathiresan

SCIENTIFIC CORRESPONDENCE

- 539 **An endangered wild kiwi fruit *Actinidia callosa* var. *strigillosa* C. F. Liang (Actinidiaceae) from India**
Abhilash Padhan, Dinesh Singh Thakur and Kumar Ambrish

GENERAL ARTICLES

- 542 **Revamping India's groundwater monitoring network**
S. N. Dwivedi, Sujatro Ray Chowdhuri, Subhra Satapathy and Ratikanta Nayak
- 548 **Soil carbon footprints and climate-smart soils**
T. Bhattacharyya



RESEARCH ARTICLES

- 555 **Analysis of morphological changes in erythrocytes in malaria by shape descriptors prior to and after antimalarial drugs**
Maombi Edison, J. B. Jeeva and Megha Singh
- 562 **Insights into bacterial communities: multidrug-resistant and biofilm-forming bacteria in poultry droppings**
Namrata Jiya, Swapnil Kajale, Kunal Jani, Abhishek Keer, Chahat Markan, Monica Chavan, Ashwin V. Khandare, Mahendra D. Jamdhade, Alimuddin Zumla and Avinash Sharma
- 569 **Identification of tomato lines based on conventional and molecular tools for breeding**
Jagesh Kumar Tiwari, Nagendra Rai, Manish K. Singh, Lokesh K. Mishra, Gaurav Mishra and T. K. Behera
- 574 **Mineral chemistry of Mahadevpur H4/5 chondrite: characterization of nanodiamonds through micro-Raman spectroscopic studies**
Bhaskar J. Saikia, G. Parthasarathy, N. V. Chalapathi Rao, Vikas Seth and Rashmi R. Borah
- 583 **REE and Y enrichment in peralkaline felsic rocks of the Siwana region, Rajasthan, northwestern India**
Suresh Kumar, Vivek V. Kumar, Shishir Bhardwaj, Rohit Sharma and Kiran J. Mishra
- 593 **Occupancy, coat colour pattern and social organization of mixed-species and mixed-morphotype groups of Nilgiri langur (*Semnopithecus johnii*) and tufted grey langur (*Semnopithecus priam*)**
Santanu Mahato, Honnavalli N. Kumara, Mridula Singh and Mewa Singh

RESEARCH COMMUNICATION

- 603 **Reconnaissance report of the 21 July 2023 Jaipur earthquakes in Rajasthan, India**
Bal Krishna Maheshwari, Varun Kumar Singla and Sukanta Das

BOOK REVIEWS

- 607 **Annual Review of Nutrition, 2022.** Patrick J. Stover and Rudi Balling (eds); *reviewed by* G. Bhanuprakash Reddy
- 609 **Plagues Upon the Earth: Disease and the Course of Human History.** Kyle Harper; *reviewed by* T. Jacob John

PERSONAL NEWS

- 611 **M. S. Swaminathan (1925–2023)**
P. C. Kesavan

HISTORICAL NOTES

- 615 **The history of fingerprint identification in India**
Jasjeet Kaur, Gurvinder S. Sodhi and Ritika Sayal



CURRENT SCIENCE

- COVER. Photomicrographs of the Mahadevpur meteorite exhibiting dominant olivine chondrule surrounded by Fe–Ni metallic phases in crossed polarized light. See page 574.

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



Thank You

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

Contact No. 0674-2494171

Website: <https://oldsite.niser.ac.in/library>

OPAC: <http://opac.niser.ac.in:8001>

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

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



NISER



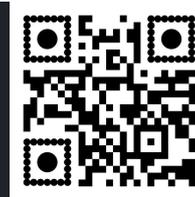
Library



Repository



Web OPAC



IRINS