

CURRENT SCIENCE

Chief Editor: S. K. Satheesh

Editorial Office: *Current Science*
P.B. No. 8001
Sadashivanagar P.O.
C.V. Raman Avenue
Bengaluru 560 080
Phone : 91-80-2361 2310/2266 1263
Fax : 91-80-2361 6094
E-mail : currsci@ias.ac.in
Website : www.currentscience.ac.in



439
—
43

Subscriptions:

Universities, Institutions and Government Departments: Rs 8,000 per year; Rs 24,000 for three years; Rs 32,000 for five years

Schools and Colleges: Rs 3,000 per year; Rs 8,000 for three years; Rs 12,000 for five years

Personal Subscriptions: Rs 4,000 for two years; Rs 6,000 for three years; Rs 8,000 for five years

Other countries (one year): Personal, US\$ 100; Institutions/Industries, US\$ 300

Advertisement tariff:

Back cover	: B&W Rs 50,000	Colour Rs 65,000
Inside cover	: B&W Rs 36,000	Colour Rs 58,000
Inside page	: B&W Rs 26,000	Colour Rs 43,000
Half page	: B&W Rs 14,000	Colour Rs 26,000

Notice to authors

Manuscripts submitted to *Current Science* should adhere to length specified below. Those which do not conform to the length will be returned for condensing.

Correspondence	: Less than 600 words; short letters preferred
Commentary	: Less than 2000 words
Research News	: Less than 2000 words and 3 display items
Scientific Correspondence	: Less than 1500 words and 2 display items
General Article	: About 4000 words; 6 display items
Review Article/Research Account	: About 6000 words; cited references should be limited to 100
Research Article	: About 4000 words
Research Communication	: About 2000 words
Book Review	: Less than 1500 words

Current Science, founded in 1932, is published by the Current Science Association in collaboration with the Indian Academy of Sciences. The journal is also intended as a medium for communication and discussion of important issues that concern science and scientific activity. All articles published in *Current Science*, especially editorials, opinions and commentaries, letters and book reviews, are deemed to reflect the individual views of the authors and not the official points of view, either of the Current Science Association or of the Indian Academy of Sciences.

Jurisdiction. The jurisdiction for all disputes concerning submitted articles, published material, advertisement, subscription and sale will be at courts/tribunals situated in Bengaluru City only.

CURRENT SCIENCE

Volume 126 Number 12

25 June 2024

1410 In this issue

EDITORIAL**1411 Anti-vaxxers**

Gayatri Saberwal

CORRESPONDENCE**1413 Rethinking of technology acceptance models and their relevance in contemporary research**Raj Kishor Kampa; *Response by* Bai Koyu and Rajkumar Josmee Singh**NEWS****1414 Current Science Reports****1418 Thermodynamics of the Earth system**

Asifa Mehraj Baba

OPINION**1419 An overview of planarian species used for testing the effect of pharmaceuticals and contaminants on regeneration**

Deepika Eknath Walunj and Ravindra Vasant Kshirsagar

COMMENTARY**1421 An emerging groundwater crisis in parts of Chhattisgarh state, India**

Sudarsan Sahu, Shikhar Panday, Twinkle Chaddha, Sangam Samal, Vishal, Sudhanshu, Masarul Islam, Ramakant Mishra, Mahendra Chouhan, Dhiren K. Mahanta, Josabanta Jani, Subhransu Sekhar Rout and Satyaban Sahoo

GENERAL ARTICLES**1424 Establishment of forensic DNA technology in India: progress and future prospects**

Sadhna Sahu, Neha Agarwal, Kunal Mahobiya, Suchitra and Pradeep K. Mishra

1431 When 2023 is the International millet year, are healthcare professionals aware about millets?

Swagata Dilip Tavhare, Asmita Wele and Gunvant Yeola

REVIEW ARTICLE**1438 Understanding the influence of diabetes on wound healing and exploring effective management study**

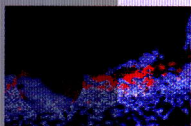
Deepraj Singh Rautela, Saumya Das, Avijit Mazumder, Bhawana Sharma, Fahad Khan and M. V. N. L. Chaitanya

RESEARCH ARTICLES**1446 Market competition for imported agricultural raw materials in the Indian animal feed industry**

Partha Pratim Saikia, Sanjib Bhuyan, Dipanjan Kashyap and Kishor Goswami

1454 Fractal dimension of protein-protein interactions: a tool for cancer protein identification

Sminu Izudheen, Bee Fateema T. Shiras, R. Anamika, Annie Jaimy and R. Anna



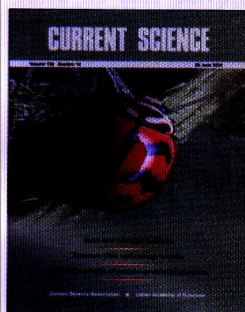
- 1464 **A study on analytical techniques and statistical design for tertiary treatment of secondary wastewater using Zetag-4120 coagulant**
Priya Singh, Mahendra Kumar Pal, Prabhat Kumar Singh Dikshit and Goutham Banerjee
- 1472 **Exploring community attitudes and perceptions towards solid waste management: a case study of Kerala, India**
Vishnudatha Venu, Akshay Ranjith and S. Ambika
- 1479 **Genetic diversity of *Melipona mandacaia*, Smith 1863 in natural and rational breeding populations**
Amaro Antonio Silva Neto, Eva Mônica Sarmiento da Silva and Michely Correia Diniz
- 1485 **Monitoring of pesticide residues and risk assessment for consumer safety in rice samples from Andhra Pradesh, India**
Jhansi Hima Varsha Valluri, Cherukuri Sreenivasa Rao, Ch. Chiranjeevi, V. Srinivasa Rao and P. Kishore Varma
- 1495 **Arsenic contamination in groundwater of the Majha belt of Punjab and its probable carcinogenic and non-carcinogenic health hazards**
Hardev Singh Virk

RESEARCH COMMUNICATIONS

- 1501 **A low-cost multi-fuel biomass furnace for food processing in rural areas**
Anil K. Rajvanshi and Nandini Nimbkar
- 1503 **A study on the role of epidermal tissues in limb regeneration in a ladybird beetle, *Cheilomenes sexmaculata* (Coccinellidae)**
Saumya Rawat, Shriza Rai and Geetanjali Mishra

BOOK REVIEWS

- 1507 **Analysis and Entrywise Positivity Preservers.** Apoorva Khare; *reviewed by* Tanvi Jain
- 1507 **Annual Review of Genetics, 2023.** Tatjana Piotrowski, Andrew G. Clark and Zemer Gitai (eds); *reviewed by* Anasuya Chakrabarty
- 1509 **Annual Review of Phytopathology, 2023.** Gwyn A. Beattie and John M. McDowell (eds); *reviewed by* Shweta Singh and Rasappa Viswanathan
-



◀ COVER. A ladybird beetle, *Cheilomenes sexmaculata* (Credit: Wikimedia). See page 1503 for more details.

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