

# CURRENT SCIENCE

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1878 **In this issue****GUEST EDITORIAL**

- 1879 **Rediscovering our universities**  
T. V. Ramakrishnan

**CORRESPONDENCE**

- 1881 **Is India lax in its e-journals preservation efforts?**, G. Mahesh ■ 1882 **Rich biodiversity of River Kuasi, Shah Nawaz Jelil** ■ 1883 **A rare incidence of unusual flowering in *Crateva adansonii* DC. (Capparaceae)**, A. N. Chandore and N. B. Yemul

**NEWS**

- 1884 **Science Last Fortnight**, Sarah Iqbal, Manish Kumar Tekam and K. P. Madhu ■ 1886 **Micropalaeontology and stratigraphy**, Md. Firoze Quamar, Arindam Chakarborty and Syed Azharuddin ■ 1887 **Climate change education**, P. Ghosh, Manju Sundriyal, Durgesh Pant and N. S. Bhandari

**OPINION**

- 1888 **Can industrial utilization of invasive aromatic weeds be a sustainable approach for their management?**  
Ram S. Verma, Rajendra C. Padalia, Amit Chauhan, Prakash Goswami and Ved R. Singh

**COMMENTARY**

- 1890 **Essential oils: a traditionally realized natural resource for food preservation**  
Bhanu Prakash and S. Kiran

**SCIENTIFIC CORRESPONDENCE**

- 1893 **Severe heat wave during May 2015 in Andhra Pradesh**  
B. Hema Malini, K. Lalitha, M. Ganga Raju and Kakani Nageswara Rao
- 1894 **Meteorite fall at Komargaon, Assam, India**  
T. K. Goswami, D. Ray, R. K. Sarmah, U. Goswami, P. Bhattacharyya, D. Majumdar, D. Bezbaruah and P. Borgohain
- 1896 **Geochemical data on the 2005 lava flow of Barren Island volcano, Andaman Sea**  
Alba Patrizia Santo
- 1900 **Growth and physiological responses to an elevation gradient by co-occurring tree species in a shola forest of Kerala, India**  
U. M. Chandrashekara
- 1901 **Observations on morphometry, egg size and juveniles of the endemic caenophidian snake *Xylophis perroteti* (Dumeril, Bibron and Dumeril, 1854) in the Nilgiris, Western Ghats, India**  
P. Santhoshkumar and P. Kannan



## GENERAL ARTICLES

- 1904 **Measuring the university–industry–government collaboration in Indian research output**  
Rupika, Ashraf Uddin and Vivek Kumar Singh
- 1910 **Improved recovery in H<sub>2</sub>S–H<sub>2</sub>O exchange process for increasing heavy water production**  
A. K. Agarwal
- 1916 **Predictive modelling for archaeological sites: Ashokan edicts from the Indian subcontinent**  
Thomas W. Gillespie, Monica L. Smith, Scott Barron, Kanika Kalra and Corey Rovzar

## REVIEW ARTICLE

- 1922 **Lipid links inflammation, immunity and insulin resistance to cause epidemic diabetes**  
Samir Bhattacharya and Sandip Mukherjee

## RESEARCH ARTICLES

- 1929 **Impact ejecta characterization for small-sized fresh and degraded lunar craters using radar data**  
Ami J. Desai, Shiv Mohan and Sripada V. S. Murty
- 1939 **A district level assessment of vulnerability of Indian agriculture to climate change**  
C. A. Rama Rao, B. M. K. Raju, A. V. M. Subba Rao, K. V. Rao, V. U. M. Rao, Kausalya Ramachandran, B. Venkateswarlu, A. K. Sikka, M. Srinivasa Rao, M. Maheswari and Ch. Srinivasa Rao
- 1947 **Seismic vulnerability of monastery temples of stone masonry in Sikkim Himalaya**  
Durgesh C. Rai, Vaibhav Singhal, Tripti Pradhan and Anu Tripathi
- 1958 **Analysis of environmental regulation and total factor energy efficiency**  
Chuan Zhang, Weida He and Rong Hao
- 1969 **Leaf litter translocation and consumption in mangrove ecosystems: the key role played by the sesarmid crab *Neosarmatium malabaricum***  
K. Shanij, V. P. Praveen, S. Suresh, Mathew M. Oommen and T. S. Nayar
- 1977 **Population structuring of land and coastal ducks (*Anas platyrhynchos*) using microsatellite markers**  
Uma Gaur, Madhu Sudan Tantia, Bina Mishra, S. T. Bharani Kumar, Ramesh Kumar Vijh and Ashok Chaudhury

## RESEARCH COMMUNICATIONS

- 1984 **Levitation of charged dust grains and its implications in lunar environment**  
J. P. Pabari and D. Banerjee
- 1989 **Photonic crystal-based force sensor to measure sub-micro newton forces over a wide range**  
T. Sreenivasulu, Venkateswara Rao Kolli, T. R. Yadunath, T. Badrinarayana, Amaresh Sahu, Gopalkrishna Hegde, S. Mohan and T. Srinivas
- 1994 **Study of relationship between daily maxima in ozone and temperature in an urban site in India**  
S. S. Gunthe, G. Beig and L. K. Sahu
- 1999 **Diversity of cyanobacteria in biological crusts on arid soils in the Eastern region of India and their molecular phylogeny**  
Dhanesh Kumar, Petr Kaštánek and Siba P. Adhikary



- 2005 **Assessment of carbon storage potential and area under agroforestry systems in Gujarat Plains by CO2FIX model and remote sensing techniques**  
R. H. Rizvi, Ram Newaj, Rajendra Prasad, A. K. Handa, Badre Alam, S. B. Chavhan, Abhishek Saxena, P. S. Karmakar, Amit Jain and Mayank Chaturvedi
- 2011 **Green synthesis of copper bionanoparticles to control the bacterial leaf blight disease of rice**  
Antonysamy Kala, Sebastin Soosairaj, Subramanian Mathiyazhagan and Prakasam Raja
- 2015 **Managing rubber plantations for advancing climate change mitigation strategy**  
Biplab Brahma, Arun Jyoti Nath and Ashesh Kumar Das
- 2019 **CORRECTION – Preface: Special section on ‘Soil and water management’**  
[*Curr. Sci.*, 2016, 110, 1651]

## BOOK REVIEWS

- 2020 **Annual Review of Physical Chemistry, 2015**, Mark A. Johnson, Todd J. Martinez and Jay T. Groves (eds), reviewed by Srihari Keshavamurthy ■ **2023 Noncommutative Mathematics for Quantum Systems**, Uwe Franz and Adam Skalski, reviewed by B. V. Rajarama Bhat

## PERSONAL NEWS

- 2025 **Walter Kohn (1923–2016)**, T. V. Ramakrishnan
- 2026 **M. V. Bhatt (1924–2016)**, M. S. Shashidhar and M. Periasamy

◀ COVER. The sesarmid crab *Neosarmatium malabaricum* holding a senescent leaf of *Avicennia officinalis* to translocate into its burrow for consumption. (Photo: K. Shanij). See page 1969.

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