

# CURRENT SCIENCE

Volume 121 Number 4

25 August 2021

## 462 In this issue

**GUEST EDITORIAL**

- 463 **Communicating science to the general public: role of scientists and science writers**  
Raghavendra Gadagkar

**CORRESPONDENCE**

- 465 ***Drosophila ananassae*: an interesting biological model**, B. N. Singh ■ 467  
**Mapping INSA fellowship to research area performance**, Gangan Prathap

**NEWS**

- 469 **Current Science Reports**

**OPINION**

- 473 **Administering agroforestry at the district level**  
Ayyandar Arunachalam, S. Suresh Ramanan and A. K. Handa

**SCIENTIFIC CORRESPONDENCE**

- 475 ***Gymnocolea* (Dumort.) Dumort. (Anastrophyllaceae, Marchantiophyta) – a genus new to India**

Richa Arya, Manisha Bhandari, S. D. Tewari and Prachi Joshi

- 476 **Reproductive features of ornamental caridean shrimps under captive condition**  
Sheena Jose, P. Purushothaman, T. T. Ajith Kumar and Kuldeep Kumar Lal

**GENERAL ARTICLES**

- 479 **One big science project or 1000 smaller ones?**  
Shelia X. Wei, Howell Y. Wang, Cong Cao and Fred Y. Ye

- 485 **Conservation of hangul, *Cervus zanglu* – paving the way ahead**  
Tanushree Srivastava and Karthikeyan Vasudevan

**REVIEW ARTICLE**

- 490 **Use of tree cavities by Indian vertebrates: status of research, knowledge gaps and future conservation perspectives**

Bharati Patel, Sreejith Sivaraman and Peroth Balakrishnan

**RESEARCH ARTICLES**

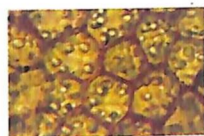
- 502 **Risk factors in childhood stunting in Karnataka, India, vary by geography**  
Srilakshmi M. Raj, Ruwanthi Ekanayake, Kiera Crowley, Meenakshi Bhat, Jayarama Kadandale and Prabhu L. Pingali

- 511 **Failure analysis of transmission line tower subjected to combined wind and dust loads**

Shaik Esub Salaam, N. Prasad Rao and P. Krishnam Raju

- 521 **Estimation of economic loss and identifying the factors affecting the crop raiding behaviour of Asian elephant (*Elephas maximus*) in Nilambur part of the southern Western Ghats, Kerala, India**

Riju P. Nair and E. A. Jayson



- 529 **Modelling of volcanic ash with HYSPLIT and satellite observations: a case study of the 2018 Barren Island volcano eruption event, Andaman Territory, India**  
Goutham Krishna Teja Gunda, P. K. Champatiray, Mamta Chauhan, Prakash Chauhan, Mijanur Ansary, Arya Singh, Yateesh Ketholia and S. Balaji

- 539 **Decadal changes in land degradation status of India**  
K. Sreenivas, G. Sujatha, Tarik Mitran, K. G. Janaki Rama Suresh, T. Ravisankar and P. V. N. Rao

- 551 **Anomalous subsurface VLF electric field emissions related to Nepal earthquakes ( $M = 7.8$ ,  $M = 7.3$ ), and their generation and propagation mechanisms**  
Sarita Sharma, Raj Pal Singh, Birbal Singh and Devbrat Pundhir



- 560 **Geochemical analysis and scientific conservation of the exterior surface of the ancient Kedarnath temple, Uttarakhand, India**  
Vimal Kumar, S. S. Panda, B. P. Nauni, Ram Ji Nigam and Barun K. Mukherjee

---

### RESEARCH COMMUNICATIONS

- 567 **The Arctic sea-ice navigability index**  
Mukesh Gupta

- 570 **Characterization of granulosis viruses of sugarcane early shoot borer, *Chilo infuscatellus* (Snell.) and internode borer, *Chilo sacchariphagus indicus* (Kapur)**  
M. Kannan, N. Geetha, K. Elango, M. Mohan and G. Sivakumar

- 573 **Evaluation of probability distribution functions applied to tree diameter in a mixed uneven Kiker (*Robinia pseudoacacia*) stand of Kashmir Himalaya, India**  
Tariq H. Masoodi, Immad A. Shah, Meraj U. Din Dar, Parvez A. Sofi and Javeed A. Mugloo

- 578 **Identification of male-specific active host plant volatiles for maize stem borer, *Chilo partellus* Swinhoe**  
Niraj Guleria, Suresh M. Nebapure, P. D. Kamala Jayanthi, S. B. Suby and P. Saravan Kumar

- 581 **Mites: an emerging problem for bumblebees in the Indian Himalayan Region**  
Rifat Husain Raina, Babu Saddam, Aejaz H. Parrey, Purnima Pathak and Kailash Chandra

---

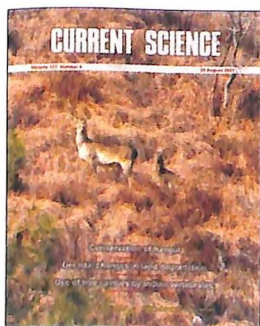
### BOOK REVIEW

- 586 **Annual Review of Biochemistry, 2020.** Roger D. Kornberg *et al.* (eds); reviewed by Prasanna K. Santhekadur

---

### PERSONAL NEWS

- 588 **M. Udayakumar (1946–2021)**, M. S. Sheshshayee, K. V. Ravishankar and M. G. Purushothama ■ **589 Hare Krishna Pradhan (1945–2020)**, Susen K. Panda, M. S. Mahesh and Ranjan K. Mohanta



- ◀ **COVER.** Hangul hinds (female) sighted in lower Dachigam in December 2019. See page 485.

Indexed in CURRENT CONTENTS/GEOTitles/SCOPUS/WEB OF SCIENCE