CURRENT SCIENCE

10 July 2021 Volume 121 Number 1 In this issue 6 **EDITORIAL** Are we creating an unsustainable State of Fear? 7 R. Uma Shaanker and K. N. Ganeshaiah CORRESPONDENCE 9 Hydrogen economy V. S. Ramamurthy and D. K. Srivastava; Response by Ganapati D. Yadav AlgaeBase: a global database for algae 10 Michael D. Guiry; Response by Surajit Roy and Jai Prakash Keshri **NEWS Current Science Reports** 12 2021 Abel Prize 16 Sameen Ahmed Khan Evidences of airborne coronavirus transmission and necessary cautionary 17 measures Arjun R. Krishnan Addendum: 2020 Nobel Prize for Physics: Black holes and the Milky Way's 18 darkest secret Joseph Samuel [Curr. Sci., 2020, 119(10), 1598-1602] COMMENTARY 'Kannadipaya' - role of geographical indication in brand-making 19 conservation A. V. Raghu and Syam Viswanath SCIENTIFIC CORRESPONDENCE Rediscovery of Bunium nothum (C.B. Clarke) P.K. Mukh. (Apiaceae), an endemic 21 and critically endangered umbellifer after 137 years from the Nilgiris, Tamil Nadu, India M. Murugesan, R. Tharani, V. Ravichandran, B. Karthik and V. Anusuba Increasing smoke and carbonaceous aerosols over the Indian region (2007-2016) 24 Manu Mehta **GENERAL ARTICLES**

- Emerging and re-emerging biotic stresses of agricultural crops in India and novel tools for their better management
 J. Kumar, R. K. Murali-Baskaran, S. K. Jain, P. N. Sivalingam, J. Mallikarjuna, Vinay Kumar, K. C. Sharma, J. Sridhar, P. Mooventhan, A. Dixit and P. K. Ghosh
- Community well-being and the 'invisible' subjectivities of indigenous people: a focus on the Irulas of the Nilgiri Biosphere Reserve, Tamil Nadu, India
 Jyotsna Krishnakumar and Pratim Roy

Multi-hazard analysis and design guidelines: recommendations for structure and infrastructure systems in the Indian context

Tathagata Roy and Vasant Matsagar

REVIEW ARTICLES

- Allopatric and sympatric modes of speciation: examples from *Drosophila* B. N. Singh
- 61 Seismic performance of precast slab to beam connection: an overview D. Vinutha, R. Vidjeapriya and K. P. Jaya
- 77 Investigations into the origin of SARS-CoV-2: an update Anirban Mitra

RESEARCH ARTICLES

- Characterization of the second wave of COVID-19 in India
 Rajesh Ranjan, Aryan Sharma and Mahendra K. Verma
- 94 Strain/stress evaluation of Dorsa Geikie using Chandrayaan-2 Terrain Mapping Camera-2 and other data
 A. S. Arya, Joyita Thapa, Abhik Kundu, Rwiti Basu, Amitabh, Ankush Kumar and Arup Roychowdhury
- Modified restoration technique for improved visual perception of shallow underwater imagery

 M. Dhana Lakshmi and S. Sakthivel Murugan
- Fate of heavy metals in sewage and polluted water bodies
 Harsha Rao, Lakshminarayana Rao and H. N. Chanakya
- Profound implications of COVID-19 pandemic lockdown on the Earth's ecosystem: a case study using remote sensing data
 Nidhi Verma, Nilesh Kumar, Pooja Mishra and Neetesh Purohit
- Unusually high frequency of cross-pollination between rice landraces Shiuli and Kharah with coincident flower-opening times

 Debal Deb and D. Bhattacharya
- 127 Artificial nests conserve important native bees, *Braunsapis* spp. pollinating cashew K. Vanitha and T. N. Raviprasad
- Observations of synchronized spawning, larval survival and settlement in corals of the genus *Acropora* in Lakshadweep, India
 S. Nina Tabitha, Kevin Shimrone Moses and Rajkumar Rajan
- How to break into a microcosm: localization of hidden hosts by fig wasp parasitoids
 Pratibha Yadav, Anusha L. K. Kumble, Mahua Ghara, Jean-Marie Bessière and Renee M. Borges
- Analysis of the determinants of service headway variability at tollbooths under mixed traffic scenario in emerging countries

 Yogeshwar V. Navandar, Chintaman Santosh Bari, Ashish Dhamaniya, Shriniwas S. Arkatkar and D. A. Patel

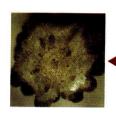
BOOK REVIEW

161 Entropy for Smart Kids and their Curious Parents. Arieh Ben-Naim; reviewed by Anirban Hazra and Arnab Mukherjee

PERSONAL NEWS

Saraswathi Natarajan Balasubrahmanyam (1932–2021)
 H. Surya Prakash Rao and I. N. N. Namboothiri





165 Chindhu Sona Warke (1931-2020)

Rajeev S. Bhalerao, Sandhya Devi and B. Sriram Shastry

HISTORICAL NOTES

Yelseti Ramachandra Rao's contribution to entomology and his pioneering work on the management of invasive plant species in India

Anamika Sharma and Rangaswamy Muniappan



■ COVER. A close-up image of coral species Acropora cytherea (Dana, 1846) releasing egg-sperm bundles (Top). Embedded collage (from left to right) showing fertilised egg, planula larva (free-swimming), and the attached larva (recruit) of day two, and day 7 of coral A. cytherea, cultured in-vitro, of the egg-sperm bundles collected during the mass spawning event at Kavaratti Island, Lakshadweep. See page 133.

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