

CURRENT SCIENCE

Volume 121 Number 9

10 November 2021

1138 In this issue

EDITORIAL

- 1139 Marine geophysical research in India – new challenges**
K. S. Krishna
-

CORRESPONDENCE

- 1141 Traditional knowledge systems**, Padma Venkat; *Response by* Bhushan Patwardhan and Subhash Chandra Lakhota ■ **1141 Unfolding science from the laboratory to laypersons in their native language**, Ashok Kumar Tiwari; *Response by* Raghavendra Gadagkar
-

NEWS

- 1143 Current Science Reports** ■ **1147 What is behind COVID-19 deaths**, Arjun R. Krishnan ■ **1148 The 2021 Nobel Prize in Chemistry: asymmetric catalysis with small organic molecules**, Santanu Mukherjee
-

COMMENTARY

- 1152 2-Deoxy glucose for COVID-19 treatment needs cautious handling**, K. Anjali and V. B. Sameer Kumar ■ **1153 Criteria for the identification of suspect SARS-CoV-2 reinfection cases**, Shweta Rana, Karuna Nidhi Kaur, Amit Kumar, Sujeet Kumar and Harpreet Singh
-

GENERAL ARTICLES

- 1156 Charming charm, beautiful bottom and quark–gluon plasma in the Large Hadron Collider era**
Santosh K. Das and Raghunath Sahoo
- 1162 All-in-one guide for preparing and publishing a bioscience manuscript**
Pooja Negi and Ashish K. Srivastava
-

RESEARCH ARTICLES

- 1180 Identification and analysis of social factors responsible for adoption of electric vehicles in India**
Arpit Rastogi, Rohaan George Thomas and Abhijeet K. Digalwar
- 1188 Who cultivates traditional paddy varieties and why? Findings from Kerala, India**
Shenaz Rasheed, P. Venkatesh, Dharam Raj Singh, V. R. Renjini, Girish Kumar Jha and Dinesh Kumar Sharma
- 1194 Identification of simple sequence repeat markers for grain iron and zinc content in pearl millet (*Pennisetum glaucum* (L.) R. Br.)**
Mithlesh Kumar, Manubhai Patel and Kirti Rani
- 1201 Comparative study of black pepper (*Piper nigrum* L.) nursery raising in Karnataka: traditional variety Sigandhini versus popular variety Panniyur-I**
N. Ashoka, Shivanand Hongal, R. Raju, M. Harshavardhan, K. T. Venkatesha and S. Vishwanatha
- 1208 An infectious diseases hazard map for India based on mobility and transportation networks**
Onkar Sadekar, Mansi Budamagunta, G. J. Sreejith, Sachin Jain and M. S. Santhanam

- 1216 **Techno-economic study of off-grid renewable energy system in Darma valley, Uttarakhand, India**
Saakshi Chauhan, Rajnish Pande and Subrat Sharma
- 1227 **Specific blasting technique for tunnelling in hot zones**
Aditya Rana, N. K. Bhagat, Jitendra Pandey, S. K. Mandal, M. M. Singh and P. K. Singh



RESEARCH COMMUNICATIONS

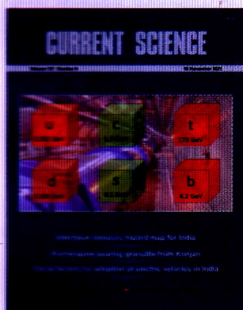
- 1235 **Root sucker technique for successful clonal multiplication of *Melia dubia* Cav. without sacrifice of mother tree**
N. S. Thakur, H. T. Hegde, R. S. Chauhan, R. P. Gunaga and D. C. Bhuva
- 1238 **Introduction of *Dendrocalamus stocksii* (Munro.) in the Northwestern Himalayan foothills for sustainable production and resource conservation**
R. Kaushal, Tarun Kumar, Avnindra Singh, J. M. S. Tomar, H. Mehta, Manoj Chandran, S. T. S. Lepcha and J. Durai
- 1241 **Occurrence of kornerupine-bearing granulite from Kunjan locality, Salem district, Tamil Nadu, India**
D. Prakash, C. K. Singh, R. S. Kumar, R. Yadav, S. K. Rai, M. K. Yadav, Pradip K. Singh and S. Jaiswal

BOOK REVIEW

- 1249 **Annual Review of Cell and Developmental Biology, 2020.** Ruth Lehmann, Jennifer Lippincott-Schwartz and Alexander F. Schier (eds); *reviewed by* R. Nagaraj

PERSONAL NEWS

- 1251 **Gurukumar Bhalachandra Parulkar (1931–2021)**, A. P. Chaukar and Anil Tendolkar
- 1252 **N. Srinivasan (1962–2021)**, R. Varadarajan
- 1254 **Kalyan Banerjee (1937–2021)**, Leena R. Yeolekar
-



- ◀ **COVER.** Three generations of quarks with their masses shown in the background of the Large Hadron Collider (LHC) tunnel at CERN, Geneva. These quarks, along with gluons form the fundamental constituents of the primordial matter, which might have been produced after a few microseconds of the Big Bang collision. The LHC aims to produce a plasma of such quarks and gluons in the laboratory. See page 1156.

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