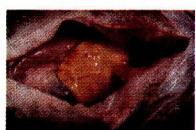


CURRENT SCIENCE

Volume 122 Number 3

10 February 2022

-
- 230 **In this issue**
-
- EDITORIAL**
- 231 **Online remedies – risks and realities**
Dilip Saha
-
- NEWS**
- 233 **Current Science Reports**
- 237 **Scientists develop the world’s first reproducing robots**
Arjun R. Krishnan
-
- RESEARCH NEWS**
- 238 **Low GI rice for rice consumers suffering from diabetes mellitus**
D. Sanjeeva Rao, R. Ananthan, T. Longvah, J. Aravind Kumar, V. Ravindra Babu and R. M. Sundaram
-
- OPINION**
- 240 **Managing the COVID-19 pandemic: is BCG an alternative?**
Thangam Menon
-
- COMMENTARY**
- 242 **Trained immunity: a sustainable disease management strategy in aquaculture**
P. Aparna Ramanan, Devika Pillai and V. J. Rejish Kumar
-
- SCIENTIFIC CORRESPONDENCE**
- 244 **Unevenness of geographical spread of COVID-19 at country and continental scales**
Gangan Prathap
-
- GENERAL ARTICLES**
- 247 **Mojiang mine, RaTG13, miners’ disease and related samples remain essential clues in the origin SARS-CoV-2**
Monali C. Rahalkar and Rahul A. Bahulikar
- 251 **Breaking silos: can the emerging field of Ayurvedic biology contribute to the advancement of Indian health science**
Bhavya Vijay, Gurmeet Singh, Chethala N. Vishnuprasad, Ashwini Godbole, Subrahmanya Kumar Kukkupuni, Megha, Prasan Shankar, Poornima Devkumar and Darshan Shankar
-
- REVIEW ARTICLES**
- 258 **Medicinal and aromatic plants as an emerging source of bioherbicides**
Pooja Maurya, Abdul Mazed, Dipender Kumar, Iffat Zareen Ahmad and Priyanka Suryavanshi
- 267 **Viral diseases in Indian freshwater and marine water pisciculture**
Vertika Bajpai, Divya Praygan, Kirty Suman, Jyotirmaya Mohanty and Pramoda Kumar Sahoo
-



RESEARCH ARTICLES

- 281 **Structural variability of *Mycobacterium tuberculosis* SSB and susceptibility to inhibition**
Srikalaivani Raja, Anju Paul, Sriram Raghavan, Sibi Narayanan, Somnath Shee, Amit Singh, Umesh Varshney, Balasubramanian Gopal and Mamannamana Vijayan
- 290 **Metabolic profiling and biological activity of *Pseudocercospora hakeae* on *Curculigo orchioides* Gaertn.**
Poozhithodikovilingal Subrahmanian Anila, Padmanabhan Jayanthikumari Vivek, Parakkulathil Ramachandran Swetha, Thazhe Kollora Athulya and Mohankumar Saraladevi Resmi
- 298 **Kerala Bird Atlas 2015–20: features, outcomes and implications of a citizen-science project**
Kerala Bird Atlas Team (225 authors)
- 310 **Imputation of trip data for a docked bike-sharing system**
Milan Mathew Thomas, Ashish Verma and Sai Kiran Mayakuntla

RESEARCH COMMUNICATIONS

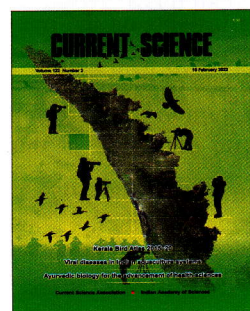
- 319 **Commercial agriculture inside reserve forests – the case of natural rubber cultivation in Kanyakumari district, Tamil Nadu, India**
James Jacob and B. Pradeep
- 322 **Potential of native forest leaves to modulate *in vitro* rumen fermentation and mitigate methane emission**
Shilpa Choudhary, Ashok Santra, Srobana Sarkar, Ajoy Mandal and Subrata Kumar Das
- 327 **Relationship between Cerambyciid borer (Insecta: Coleoptera) infestation and human-induced biotic interferences causing mortality of kharsu (*Quercus semecarpifolia* Smith in Rees) oak trees in Garhwal, Western Himalaya, India**
Gaurav Chand Ramola and Arun Pratap Singh
- 333 **Groundwater evidences in confirmation of palaeo-course of Assi River in Uttar Pradesh, India**
Mallikarjun Mishra and K. N. Prudhvi Raju
- 337 **Solar photovoltaic pump sets as a substitute for conventional pump sets**
Rajan Aggarwal, Sanjay Satpute and Simranpreet Kaur

BOOK REVIEWS

- 344 **It's About Time: Understanding Einstein's Relativity.** N. David Mermin; *reviewed by* C. S. Unnikrishnan ■ 345 **Lasers: Fundamentals and Applications (Second edition).** K. Thyagarajan and Ajoy Ghatak; *reviewed by* J. Anjaiah ■ 346 **Annual Review of Physiology, 2021.** Mark T. Nelson and Kenneth Walsh (eds); *reviewed by* Mario Vaz

ACADEMY NEWS

- 348 **Indian Academy of Sciences announces new Fellows and Honorary Fellows for 2022**



- ◀ COVER. The illustration shows the outline of Kerala, with grids laid over it and volunteers watching birds from various parts of the state. (Illustration: Praveen Paul). See page 298.

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