

CURRENT SCIENCE

Volume 114 Number 11

10 June 2018

2220 In this issue

GUEST EDITORIAL

- 2221 Helping university and college teachers**
Natarajan Panchapakesan

CORRESPONDENCE

- 2223 Scientometric profile of global male breast cancer research, Bakthavachalam Elango, *Response by Sandhya Dwivedi***

NEWS

- 2224 Science Last Fortnight**

IN CONVERSATION

- 2228 K. Sivan**
S. Priya

COMMENTARY

- 2231 Gut: a key mediating centre for the ageing process**
Hemant J. Purohit and Jayant Deopujari

SCIENTIFIC CORRESPONDENCE

- 2234 The Rs 10,000 crore club**
Gangan Prathap
- 2238 A modification to Hirsch index allowing comparisons across different scientific fields**
Jiří Mazurek

GENERAL ARTICLES

- 2240 Bibliometrics of social science and humanities research in India**
Manorama Tripathi, Sunil Kumar and Parveen Babbar
- 2248 Trends in metabolomics research: a scientometric analysis (1992–2017)**
Shanshan Guo, Jingchen Tian, Bin Zhu, Shu Yang, Kefu Yu and Zhigang Zhao

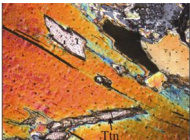
REVIEW ARTICLE

- 2256 Thermosensitive hydrogels: from bench to market**
Nida Nadeem, Muhammad Sohail, Muhammad Hassham Hassan Bin Asad, Muhammad Usman Minhas, Mudassir and Syed Ahmed Shah



RESEARCH ARTICLES

- 2267 Volume holographic gratings in acrylamide-based photopolymer to provide selective light as an added input for improving the performance of dye-sensitized solar cells**
A. B. Sreebha, S. Suresh, C. O. Sreekala and V. P. Mahadevan Pillai



- 2273 **Impact of Wi-Fi interference on NavIC signal**
Darshna D. Jagiwala and Shweta N. Shah
- 2281 **Data mining techniques for predicting dengue outbreak in geospatial domain using weather parameters for New Delhi, India**
Nikita Agarwal, Shiva Reddy Koti, Sameer Saran and A. Senthil Kumar
- 2292 **Influence of absorptive reservoir bottom on the performance of dam–reservoir–foundation coupled system**
Kalyan Kumar Mandal and Damodar Maity
- 2302 **A survey-based structural equation model analysis on influencing factors of non-citiation**
Zewen Hu, Yishan Wu and Jianjun Sun
- 2313 **Flowering and fruiting phenology of woody trees in the tropical-seasonal rainforest, Southwestern China**
D. Mohandass, Mason J. Campbell, Xin-Sheng Chen and Qing-Jun Li
- 2323 **Patterns in distribution, population density and uses of medicinal plants along the altitudinal gradient in Dhauladhar mountain range of Indian Himalayas**
Natasha Sharma and Chandra Prakash Kala
-  2329 **Crystallization evolution of accessory minerals in palaeoproterozoic granites of Bastar Craton, India**
Dinesh Pandit
- 2343 **Comparing the imitating capabilities of parrots and crows with human beings using COMSOL Multiphysics**
Randhir Singh, Ajay Kumar and Parveen Kumar Lehana

RESEARCH COMMUNICATIONS

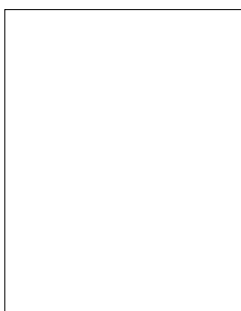
-  2353 **Accounting for secondary inner filter effect in fluorescence spectra from solid samples**
Tuhin Khan, Kalyani Bhagabani, Preeti Kumari and Anindya Datta
- 2356 **Asp72 of pro-peptide is an important pH sensor in the zymogen activation process of papain: a structural and mechanistic insight**
Sumana Roy and Sampa Biswas
- 2362 **Capabilities of satellite-derived datasets to detect consecutive Indian monsoon droughts of 2014 and 2015**
Satya Prakash
- 2368 **Use of molecular-based approach in resolving subspecies ambiguity of the rescued tiger cubs from Arunachal Pradesh, India and their relationship with other population**
Puneet Pandey, Deepa Goel, Randeep Singh, Sujeet Kumar Singh and Surendra Prakash Goyal
-  2373 **Analysing the black polished pottery of proto-historic-early historic India**
Vibha Tripathi and Parul Singh
- 2380 **Impact of transport sustainability on air quality in Lahore, Pakistan**
Rizwan Haider, Abdullah Yasar and Amtul Bari Tabinda
-

BOOK REVIEWS

- 2387 **Annual Review of Nuclear and Particle Science, 2017**, Barry R. Holstein, Wick C. Haxton and Abolhassan Jawahery (eds); *reviewed by* B. Ananthanarayan
- 2388 **Adverse Effects of Engineered Nanomaterials: Exposure, Toxicology, and Impact on Human Health**, Bengt Fadeel, Antonio Pietroiusti and Anna A. Shvedova (eds); *reviewed by* Siddharth Jhunjhunwala
- 2390 **Annual Review of Earth and Planetary Sciences, 2017**, Raymond Jeanloz and Katherine H. Freeman (eds); *reviewed by* C. P. Rajendran
-

HISTORICAL NOTES

- 2392 **Records of sightings of comets from the literature**
B. S. Shylaja
-



◀ COVER. Minerals in granites of Bastar Craton. See page 2329.

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