In this issue

**GUEST EDITORIAL**

Patient advocacy
Mohua Chakraborty Choudhury and Gayatri Saberwal

**CORRESPONDENCE**

Modern atomism, J. Pasupathy

**NEWS**

Science Last Fortnight

353 New perspectives in visual studies: the contributions of Kavita Singh, Priyani Roy Choudhury

355 Doubling farmers’ income, Sanjay Sharma, Pardeep Kumar, Adarsh Kumar, N. K. Sankhyan, Deep Kumar and Neetu Sharma

357 Impact of Young Investigators’ Meetings on life sciences research in India, Smita Jain, Thomas Pucadyil, Sachin Kotak, Rashna Bhandari and Roop Mallik

**SCIENTIFIC CORRESPONDENCE**

First results from the PRL Accelerator Mass Spectrometer, Ravi Bhushan, M. G. Yadava, Manan S. Shah, Upasana S. Banerji, Harsh Raj, Chinmay Shah and Ankur J. Dabhi

First record of parrotfish bite mark on larger foraminifera from the Middle Eocene of Kutch, Gujarat, India, Rosina Syed and S. Sengupta

**GENERAL ARTICLES**

Experiments in skill building for science communication, K. P. Madhu

Indian coastal ocean radar network, B. K. Jena, K. S. Arunraj, V. Suseentharan, Kukadiya Tushar and T. Karthikeyan

Understanding Nobel Prize-winning articles: a bibliometric analysis, Guoqiang Liang, Haiyan Hou, Peili Ren, Yi Bu, Xiangjie Kong and Zhigang Hu

**REVIEW ARTICLE**

Beyond CRISPR: single base editors for human health and crop improvement, P. K. Gupta

**RESEARCH ARTICLES**

Molecular dynamics study of the interaction between RNA-binding domain of NS1 influenza A virus and various types of carbon nanotubes, Sara Az’hari, Hamid Mosaddeghi and Yousef Ghayeb

Focal plant and neighbourhood fruit crop size effects on fruit removal by frugivores in a semi-arid landscape invaded by *Lantana camara* L., Geetha Ramaswami, Brihadeesh Santharam and Suhel Quader

Spatial rice decision support system for effective rice crop management, B. Sailaja, S. R. Voleti, D. Subrahmanyam, P. Raghuveer Rao, S. Gayatri, R. Nagarjuna Kumar and Shaik N. Meera

From the United States to China: the transfer of research centres in Information Science, Jianhua Hou and Xiucai Yang
437 Assessment of vehicles headway during queue dissipation at signal-controlled intersection under mixed traffic
Satyajit Mondal and Ankit Gupta

445 Brazilian and Romanian decision-makers: is their decision behaviour different? evidence from an empirical study
Ana Maria Roux Valenti Coelho Cesar, Gilberto Perez, Larissa Batrancea, Anca Nichita and Ioan Batrancea

RESEARCH COMMUNICATIONS

457 Contribution of branching order of dendrites to morphology of neural cells
Mina Elias, Noha M. Salem, Manal M. Awad and Medhat A. ElMessiery

463 Microwave heating and acid leaching processes for recovery of gold and other precious metals from e-waste
Rajendra Prasad Mahapatra, Satya Sai Srikant, Raghupatruni Bhima Rao and Bijayananda Mohanty

468 Anti-inflammatory activity of synthesized diarylpentenedione derivatives and their drug delivery with silicon-nanotube (7,7)
A. Surendar, S. K. Sadulla, Ali Noory Fajer, Mazhar Abbas and Meysam Najafi

472 Allocation of biomass and carbon stocks in seven woody species of tropical deciduous forests, Dang, Gujarat
Ekta Purswani, Bhawana Pathak and Harshad Salvi

479 A modified protocol for total RNA isolation from different oil palm (Elaeis guineensis) tissues using cetyltrimethylammonium bromide
Rashad Qadri, Amjad Iqbal, Yi Wu, Jing Li, Numrah Nisar, Muhammad Azam and Yaodong Yang

483 Studies on mutation breeding in mandarin variety Kinnow
Harinder Singh Rattanpal, Gurteg Singh and Monika Gupta

BOOK REVIEWS

488 The Handbook of Science and Technology Studies, Fourth Edition. Ulrike Felt et al. (eds); reviewed by Sundar Sarukkai
489 Fundamentals of Ocean Renewable Energy: Generating Electricity from the Sea. Simon P. Neill and M. Reza Hashemi; reviewed by V. Sanil Kumar
490 The Climate Solution: India’s Climate-Change Crisis and What We Can Do About It, Mridula Ramesh; reviewed by J. Srinivasan

PERSONAL NEWS


COVER. Accelerator Mass Spectrometer facility at Physical Research Laboratory, Ahmedabad. See page 361.

Indexed in CURRENT CONTENTS/GEOBASE/Chemical Abstracts/IndMED/SCOPUS/WEB OF SCIENCE