In this issue

GUEST EDITORIAL

1079 Joy of discovery as a reason for pursuing a career in science
B. Ananthanarayan

CORRESPONDENCE

1081 Professional doctorates and Ph D holders, Anantanarayanan Raman
1081 Opportunistic feeding behaviour of Xylophis perroteti in Emerald Valley, Nilgiris, Tamil Nadu, India, P. Santhoshkumar and P. Kannan
1082 Data analytics: India needs an agency for health data, Partha Pratim Ray

NEWS

1083 Science Last Fortnight
1087 Infosys Prize in Life Sciences 2016, Sasirekha Ramani
1088 2017 King Faisal International Prize for Science and Medicine, Sameen Ahmed Khan
1090 Teacher training workshops in India, R. Shankar, Nir Orion, Chris King, Anish Kumar Warrier, A. M. Narahari and S. G. S. Swamy
1093 Plant molecular farming, R. Satishkumar and Ma K.-C. Julian

RESEARCH NEWS

1095 An island chain lost in the Bay of Bengal
K. Srinivas, K. S. Krishna, M. Ismaiel, J. Mishra and D. Saha

OPINION

1097 Can insecticide resistance be developed in termites?
G. K. Mahapatro

COMMENTARY

1099 The Paris Climate Change Agreement and after
Manu V. Mathai and P. S. Narayan

TECHNICAL NOTES

1101 Effect of confining pressure on the mechanical properties of thermally treated sandstone
Feng Xu, Chunhe Yang, Yintong Guo, Tongtao Wang, Lei Wang and Ping Zhang

SCIENTIFIC CORRESPONDENCE

1107 Implications of mistaken identities in conservation of wild mangoes
M. Venkat Ramana, P. Venu and M. Sanjappa
1109 A bird’s-eye view of landslide dammed lakes in Zanskar Himalaya, India
K. Babu Govindha Raj, Tapas R. Martha and K. Vinod Kumar
1112 Coordinates and chronology of the ancient port city of Poombuhar, South India
Sm. Ramasamy, J. Saravanavel, C. J. Kumanan and S. Gunasekaran
1115 Incidence of gold associated with copper mineralization in Garhwal Lesser Himalaya, Rudraprayag district, Uttarakhand, India
P. S. Misra, Arindam Das, S. Balakrishnan and A. Anand
Fishes inhabiting fly ash-polluted tributary of Hasdeo river, Chhattisgarh, India
Shikha Shrivastav and Sushma Singh

GENERAL ARTICLES

Are small-sized firms really innovative? Understanding the Indian scenario
Debanjana Dey

If systems approach is the way forward, what can the ayurvedic theory of tridosha teach us?
Rama Jayasundar

Research on literature involving zirconia-based on Pubmed database: a bibliometric analysis
Huiyan Yu, Zhuangzhi Zhi, Chunxia Zhang and Huazhe Yang

REVIEW ARTICLE

Water quality of River Beas, India
Vinod Kumar, Anket Sharma, Ashwani Kumar Thukral and Renu Bhardwaj

RESEARCH ARTICLES

Correction of Mars Colour Camera images for identification of spectral classes
Kurian Mathew, A. S. Arya, Harish Seth, S. Manthira Moorthis and P. N. Babu

DNA methylation changes in a gene-specific manner in different developmental stages of Drosophila melanogaster
Chitra S. Panikar, Mandar S. Paingankar, Saniya Deshmukh, Varada Abhyankar and Deepti D. Deobagkar

Changes in vapour pressure deficit and air-to-leaf temperature difference due to the effects of watering frequency and seasonal variation-induced adaptive responses in Balanites aegyptiaca in Saudi Arabia
A. A. Elfeel

Antioxidant and alleviatory effects of hydroalcholic extract of cauliflower leaves against sodium fluoride-induced cardiotoxicity in Wistar male rats
Raghavendra Mitta, Ravindra Reddy Kandula, Raghweer Yadav Pulula, Narasimha Jayaveeira Koralakunta and Uma Maheswara Rao Vattikutti

Balancing conservation and development in Nandhaur Wildlife Sanctuary, Uttarakhand, India
Michelle Irengbam, Pariva Dobriyal, Syed Ainul Hussain and Ruchi Badola

Macropore flow as a groundwater component in hydrologic simulation: modelling, applications and results
M. Ranjit Kumar, T. Meenambal and V. Kumar

Estimation of snow accumulation on Samudra Tapu glacier, Western Himalaya using airborne ground penetrating radar

Inter- and intra-annual variations in the population of Tripos from the Bay of Bengal
Rajath R. Chitari, Arga Chandrashekar Anil, Vinayak V. Kulkarni, Dhiraj D. Narale and Jagadish S. Patil

Identification of single nucleotide polymorphism from Indian Bubalus bubalis through targeted sequence capture

Erratum: Should Indian researchers pay to get their work published?
Muthu Madhan, Siva Shankar Kimidi, Subbiah Gunasekaran and Subbiah Arunachalam
RESEARCH COMMUNICATIONS

1240 Making scientometric sense out of NIRF scores
Gangan Prathap

1242 Hierarchy of parameters influencing cutting performance of surface miner through artificial intelligence and statistical methods
A. Prakash and V. M. S. R. Murthy

1250 Evaluation of the genetic diversity and population structure in drumstick (Moringa oleifera L.) using SSR markers
R. Rajalakshmi, S. Rajalakshmi and Ajay Parida

1257 Inferring gene regulatory networks using Kendall’s tau correlation coefficient and identification of salinity stress responsive genes in rice
Samarendra Das, Prabina Kumar Meher, Upendra Kumar Pradhan and Amrit Kumar Paul

1262 An interactive computer vision system for tree ring analysis
S. Subah, S. Derminder and C. Sanjeev

1266 QTL mapping for early ground cover in wheat (Triticum aestivum L.) under drought stress
Biswajit Mondal, Anupam Singh, Aneeta Yadav, Ram Sewak Singh Tomar, Vinod, Gyanendra Pratap Singh and Kumble Vinod Prabhu

1272 Impact of particulate pollution on photosynthesis, transpiration and plant water potential of teak (Tectona grandis L.)
P. Anoob, A. V. Santhoshkumar and Paul C. Roby

BOOK REVIEWS


1279 Psychological Perspectives on Childcare in Indian Indigenous Health Systems by Kapur Malavika, reviewed by Bharat Chandra Rout

1280 Soil Health and Climate Change, Bhupinder Pal Singh, Annette L. Cowie and K. Yin Chan (eds), reviewed by Akhilesh Kumar, Durgesh Kumar Jaiswal and Jay Prakash Verma

PERSONAL NEWS

1282 Eugene Garfield (1925–2017)
Subbiah Arunachalam

1285 J. G. Negi (1936–2016)
Arun Bapat

COVER. Ayurvedic model of human system for an integrated approach. See page 1127.

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