In this issue

GUEST EDITORIAL

855 Will Coronavirus Pandemic eventually evolve as Pan-endemic?
T. Jacob John

CORRESPONDENCE

857 International Year of Plant Health 2020 to focus on threat of pests on food security, H. R. Gautam and M. L. Bhardwaj

NEWS

858 2020 King Faisal International Prize for Science and Medicine
Sameen Ahmed Khan

859 Science Last Fortnight

COMMENTARY

863 Preaching objectivity – practicing obfuscation, Deepak Pental; A reply by Gutierrez et al.

869 A century of biochemistry at IISc, K. Muniyappa

GENERAL ARTICLES

872 Low cost drinking water technology – rainwater harvesting with solar purification
Shivam D. Patange, Nandini Nimbkar and Anil K. Rajvanshi

877 Challenges in geospatial documentation of unprotected built heritage sites in India
Kuili Suganya

REVIEW ARTICLE

883 Sources and leaching of nitrate contamination in groundwater
Saurabh Shukla and Abhishek Saxena

RESEARCH ARTICLES

892 Anti-tumour and immune enhancing activities of MLAA-22,379–387 on acute myeloid leukemia
Jing Li, Wanggang Zhang, Ju Bai, Bo Zhong, Huiyuan Wang, Yan Geng, Qiaoyan Jin, Juanjuan Hao and Yang Zhang

901 Blasting technique for stabilizing accident-prone slope for sustainable railway route

910 Petrogenesis of the Palaeoarchean Keonjhar Granite, Singhbhum Craton, India: product of crustal reworking or subduction?
Ajay Dev Asokan, Kumar Krishna, R. Elangovan and M. Ram Mohan

920 Aqueous extract of Cleistanthus collinus induces activity of peroxidase and catalase in the seedlings of cucumber and chilli
Monal R. Kadoo and Rupesh S. Badere
Averrhoa bilimbi in organic transformation: a highly efficient and green biosurfactant for the synthesis of multi-functional chromenes and xanthenes
Bhagyashree M. Patil, Snehal R. Mali, Bhimrao M. Patil and Suresh S. Patil

Stigmasterol-3-O-glucoside, an allelopathic molecule responsible for pest resistance of Thenkaali (AAB), a Musa cultivar against Odoiporus longicollis [Olivier]
K. J. Kavitha, J. Anil John and D. A. Evans

RESEARCH COMMUNICATIONS

Efficient and improved edge detection via a hysteresis thresholding method
Sajid Khan, Dong-Ho Lee, Muhammad Asif Khan, Abdul Rehman Gilal, Junaid Iqbal and Ahmad Waqas

Fractionalization of h-index for multiple authorship – an impact-based interpretation conserving counts
Gangan Prathap

Effect of extractive content on fuelwood characteristics of certain woody and non-woody biomass
Ritesh Kumar, N. Chandrashekar, N. R. R. Prasad and Ritesh Tailor

Smart automatic irrigation controller
Faruk Poyen, Sayan Hazra, Nabaran Sengupta, Apurba Ghosh and Palash Kundu

Ingestion of unusual items by wetland birds in urban landscapes
Abey Francis, B. Anjan Kumar Prusty and P. A. Azeez

Tunnel wells, the traditional water harvesting structures of Kasaragod, Kerala: re-visited
E. Shaji, K. V. Sarath, Pranav Prakash, Adithya Pazhoor Abraham, V. Deepchand, V. Kunhambu and A. P. Pradeepkumar

BOOK REVIEWS

Clay, Craft, Music and Science: Purnima Sinha’s Life. Rajinder Singh and Suprakash C. Roy; reviewed by Hardev Singh Virk

Voyage to Antarctica: An Odyssey to the Past, Present and Future of the Gelid Mysterious Continent. Felix Bast; reviewed by Rahul Mohan

PERSONAL NEWS

Sambasiva Swaminathan (1923–2020), S. Chandrasekaran and K. Nagarajan

COVER. Temple in ruins at Arasibidi in North Karnataka, India. See page 877.

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