# **CURRENT SCIENCE**

Volume 116 Number 11

10 June 2019

1778	In this issue								
	EDITORIAL Popularizing geoscience in India Rajeev Patnaik								
1779									
	CORRESPONDENCE  Conguly (1918-1988) V S Ramamur								

1781 Birth Centenary of Anil Kumar Ganguly (1918–1988), V. S. Ramamurthy

1782 Requirement of student-centric presentations in NIRF, T. R. Neelakantan

## **NEWS**

1783 Science Last Fortnight

## COMMENTARY

1787 The regulatory dilemma for import of radiopharmaceuticals in India, Sandeep Sharma, M. G. R. Rajan, Ashish Baldi, Rajesh Kumar Singh and Rakesh Kumar Sharma

# SCIENTIFIC CORRESPONDENCE

1790 Commercialization – a suggested approach for conserving a threatened fern, Pteris tricolor Linden, Sachin Sharma, Bhupendra Singh Kholia, Amit Kumar, Amber Srivastava and Surendra Singh Bargali ■ 1792 Accelerating regeneration of threatened wild banana (Musa paramjitiana L.J. Singh) endemic to Andaman and Nicobar Islands, India, Pooja Bohra, Ajit Arun Waman and B. A. Jerard ■ 1794 Gelatin-coated magnetic nanoparticles for genomic DNA isolation from biological samples, Kelly S. Levano, Luis Jaramillo-Valverde, Elizabeth Delgado, Sara Rose Guariglia and Heinner Guio

## **GENERAL ARTICLES**

1797 Analysing gender gap in science: Government of India initiatives
Namita Gupta

India's evergreen revolution in cereals
 O. P. Yadav, D. V. Singh, B. S. Dhillon and T. Mohapatra

#### REVIEW ARTICLE

1809 Coconut inflorescence sap R. Sudha, V. Niral, K. B. Hebbar and K. Samsudeen

# RESEARCH ARTICLES

1818 Effects of laser irradiation on the microstructure and surface morphology of zinc oxide doped with different additives

M. Y. Helali, M. M. Saadeldin and Makram Ibrahim

1829 Trajectory planning of parallel mechanism for pouring robot Long Li, Chengjun Wang and Hongtao Wu

1840 Urease activity and deposition of calcium carbonate layers on a 16th century Mughal monument
M. Singh







1850	Seismic	reduction	factor	evaluation	and	its	components	for	steel	buildings
	undergoing nonlinear deformations									
	Alfredo	Reyes-Salaz	ar, Eder	Bojórquez,	Juan 1	Bojó	rquez, Federic	o Va	lenzue	la-Beltran,
	I Ramon Gaxiola-Camacho and Achintya Haldar									

- 1861 Impact of blast design parameters on rock fragmentation in building stone quarries

  Abhishek Sharma, A. K. Mishra, B. S. Choudhary and Rohit Meena
- 1868 Regional liquefaction susceptibility mapping in the Himalayas using geospatial data and AHP technique
  Ramesh Pudi, Tapas R. Martha, Priyom Roy, K. Vinod Kumar and P. Rama Rao
- 1878 A practive faeces collection protocol for multidisciplinary research in wildlife science

  Suvankar Biswas, Supriya Bhatt, Shrutarshi Paul, Shrushti Modi, Tista Ghosh, Bilal Habib, Parag Nigam, Gautam Talukdar, Bivash Pandav and Samrat Mondol

#### RESEARCH COMMUNICATIONS

- 1886 Mechanical properties of the human stomach under uniaxial stress action Grzegorz Rotta, Jarosław Kobiela, Szymon Grymek and Magdalena Karczewska
- 1893 Engendering finger millet-based value chains for livelihood and nutritional security of women in agriculture

  J. Charles Jeeva, Kushagra Joshi, Abha Singh and B. C. Behera
- 1897 Biological activity of essential oils of *Mentha pulegium* from field-grown and acclimated *in vitro* plants

  Amira Benahmed, Boualem Harfi and Abdelmalik Belkhiri
- Ambient air quality and indexing with reference to suspended particulate matter and gaseous pollutants around a cement plant in OCL India Limited, Rajgangpur, Odisha, India

  Ambikesh Kumar Mishra, Manish Kumar Jain and Suvendu Kumar Dash
- 1909 Comparison among Scopus, Web of Science, PubMed and publishers for mislabelled review papers

  Andy Wai Kan Yeung
- 1914 Improving groundwater recharge by ventilation of unsaturated zone V. K. Haritha and L. Elango

## **BOOK REVIEWS**

Comprehensive Remote Sensing, Volume 8: Oceans. Shunlin Liang (Editor in Chief). Stephen J. Walsh (Volume Editor); reviewed by Rashmi Sharma 1922

The Chemistry of the p-Block Elements: Syntheses, Reactions and Applications.

Anil J. Elias; reviewed by Balaji R. Jagirdar 1922 Early Indians: The Story of Our Ancestors and Where We Came From. Tony Joseph; reviewed by Kumarasamy Thangaraj and Lomous Kumar

#### PERSONAL NEWS

1924 Chandrasekharan Ramakrishnan (1939-2019), N. Sriniyasan and R. Sowdhamini



19

19

sh

ris

of

ıd

94

al

se

nc

ry

■ COVER. An endangered fern *Pteris tricolor* in natural habitat. See page 1790.

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