CURRENT SCIENCE

In this issue

GUEST EDITORIAL

390

25 February 2023

Valume !	2.4	Numb	er i

391	GUEST EDITORIAL Adoption of a rights retention policy by academic and research institutions in India: a door to open science Subhash C. Lakhotta		
393	CORRESPONDENCE Habituation of Indian peafowl (Pavo cristatus) to human activities R. Ravi Kumara and N. D. Yogendra		
	NEWS		
394	The 2022 Nobel Prize in Physics Apoorva D. Patel		
397	Discovery of catalytic click reactions and the 2022 Nobel Prize in Chemistry Anugam V. Krishna, Revoju Sravanthi and Dhevalapally B. Ramachary		
400	For the first time: a Nobel Prize for Evolutionary Research H. A. Ranganath and Amitabh Joshi		
and the state of t	SCIENTIFIC CORRESPONDENCE		
403	Avian botulism mass mortality from Sambhar Salt Lake, Rajasthan, India Kavita Singh and Monali Sen		
-	GENERAL ARTICLES		
407	Does India need a different rice ecosystem to harness the export advantages and manage the virtual water exports? Raka Saxena, M. S. Raman, Shivendra K. Srivastava, Md Arshad Khan and Rohit Kumar		
414	Decision support framework for the management and conservation of wild edible plants in Maharashtra, India Poorva Joshi, Manali Rane and Aparna Watve		
and the second second second	REVIEW ARTICLE		
418	Live transportation of food fishes: current scenario and future prospects Vishnu R. Nair, U. Parvathy, T. J. Jithin, P. K. Binsi and C. N. Ravishankar		
	RESEARCH ARTICLES		
426	Fauna associated with wheat cultivation in high altitudes of the Nilgiris, India J. Berliner, J. Alfred-Daniel, Balaji Rajkumar, H. C. Hombegowda, B. Manimaran, Rashid Parvez, M. R. Khan, Priyank Hanuman Mhatre and Guru-Pirasanna-Pandi Govindharaj		

Three-dimensional point cloud segmentation using a combination of RANSAC and

Puyam S. Singh, Iainehborlang M. Nongsiej, Valarie Marboh, Dibyajyoti Chutia, Victor

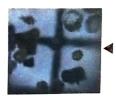


clustering methods

Saikhom and S. P. Aggarwal

434

442



- 451 Effect of sub-lethal doses of thiamethoxam on the memory of *Apis mellifera* Linnaeus Ashok Kumar Karedla, Amit Choudhary, Jaspal Singh and Pardeep Kumar Chhuneja
- An inexpensive foldscopic approach for quantitative evaluation of the shape of sand particles

 Kunjari Mog and P. Anbazhagan
- Precise mosaicing of mouza plans for the preparation of digital cadastral map using GNSS

 Aniket Verma, Amar Prakash, Ajay Kumar, Sandip Oraon and Sujit Kumar Mandal
- 478 Differential loss of glacier stored water in the Indus River basin
 Ashutosh Kulkarni, Veena Prasad, A. R. Arya, Rajiv K. Chaturvedi, Sushil K. Singh and
 Sandip Oza
- Trilobozoan (*Tribrachidium* and *Albumares*) Ediacaran organisms from Marwar Supergroup, Western India
 V. S. Parihar, Hukmaram, Pawan Kumar and Anshul Harsh
- Substitution rate estimation of molecular markers to evaluate evolutionary aspects in ladybird beetles
 Chandni Verma, Geetanjali Mishra and Omkar

RESEARCH COMMUNICATIONS

- Predicting the area and production of sugarcane in Tamil Nadu, India using neural networks
 - P. Dinesh Kumar
- Identification of chemosensory genes in the greater wax moth, Galleria mellonella L. (Lepidoptera: Pyralidae)
 Saravan Kumar Parepally, Gandham Krishnarao, Meenal Vyas, S. D. Divija and P. D. Kamala Jayanthi

BOOK REVIEWS

- Gaṇitagannaḍi Mirror of Mathematics: An Astronomy Text of 1604 CE in Kannada by Śankaranārāyaṇa Joisaru of Śṛngeri. Translation with mathematical analysis by B. S. Shylaja and Seetharama Javagal; reviewed by Tushar P. Prabhu
- **514** An Account of the Brahmaputra: The Outsized Braided River. Jogendra Nath Sarma; reviewed by S. K. Tandon
- 516 Publications received 2022



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