

CURRENT SCIENCE

Volume 123 Number 8

25 October 2022



Exotic leaf web mite on sugarcane

Trajectory of watershed development in India

Magmatic intrusions near Salem

Current Science Association ■ Indian Academy of Sciences



- 1031 **Success of cage farming of marine finfishes in doubling farmers' income: a techno-social impact analysis**

J. Charles Jeeva, Shubhadeep Ghosh, S. S. Raju, Sekar Megarajan, V. P. Vipinkumar, Loveson Edward and R. Narayanakumar

- 1038 **Web mite *Schizotetranychus krungthepensis* on sugarcane in India: molecular evidence for occurrence and the way forward**

J. Srikanth, P. Mahesh, R. Manimekalai, G. S. Suresha, B. Singaravelu and K. P. Salin

RESEARCH COMMUNICATIONS

- 1050 **Perigean spring tides along the Indian coast**

A. S. Unnikrishnan

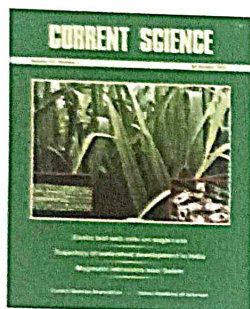
- 1054 **Sarus crane *Antigone antigone* predating on chicks of grey-headed swamphen *Porphyrio poliocephalus***

Jaswinder Waraich and K. S. Gopi Sundar

BOOK REVIEWS

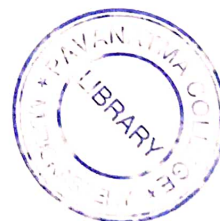
- 1057 **Global Warming Science: A Quantitative Introduction to Climate Change and its Consequences.** Eli Tziperman; *reviewed by* J. Srinivasan

- 1057 **Machine Learning Techniques for Space Weather (1st Edition).** Enrico Camporeale, Simon Wing and Jay Johnson; *reviewed by* Nur Dalila Khirul Ashar



- ◀ **COVER.** Occurrence of exotic leaf web mite on sugarcane in India. See page 1038.

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



CURRENT SCIENCE

Volume 123 Number 8

25 October 2022

954 In this issue

GUEST EDITORIAL

- 955 Future Earth and its prospects in South Asia
Smriti Basnett

CORRESPONDENCE

- 957 Oxygen production potential of trees – unrealistic perception in India
S. Suresh Ramanan, A. Arunachalam, Arun Kumar Shanker and K. B. Sridhar; *Response*
by A. Keerthika and S. B. Chavan

NEWS

- 959 Current Science Reports

OPINION

- 961 Monkeypox outbreak
T. Mariappan

COMMENTARY

- 963 The Department of Biotechnology, Government of India – communicating impact is important
Shailja Vaidya Gupta

GENERAL ARTICLE

- 968 Tracing the trajectory of watershed development in India using watershed guidelines: policy insights
Suresh Kumar, M. Madhu, B. Mondal and Ashok Kumar

REVIEW ARTICLE

- 975 Space technology support for development of agriculture in the North Eastern Region of India – scope and challenges
B. K. Handique, C. Goswami, P. T. Das, J. Goswami, P. Jena, F. Dutta, D. K. Jha and S. P. Aggarwal

RESEARCH ARTICLES

- 987 Surveillance of SARS-CoV-2 genome fragment in urban, peri-urban and rural water bodies: a temporal and comparative analysis
Manupati Hemalatha, Athmakuri Tharak, Harishankar Kopperi, Uday Kiran, C. G. Gokulan, Rakesh K. Mishra and S. Venkata Mohan
- 995 Strategic planning to reduce ground vibration, air overpressure and flyrock in a mine at a sensitive area
Pijush Pal Roy, Chhangte Sawmliana and Rakesh Kumar Singh
- 1005 Petrogenesis and geochemical characteristics of pyroxenite dykes in and around Salem Mafic-Ultramafic complex, southern India: an arc-related origin of Alaskan-type
Thoti Yellappa
- 1020 A refined procedure for seismic evaluation and retrofitting of reinforced concrete buildings
Mangeshkumar R. Shendkar, Denise-Penelope N. Kontoni, Ramancharla Pradeep Kumar, Ahmed Abdelraheem Farghaly, Sasankasekhar Mandal and Pabitra Ranjan Maiti

