# CURRENT SCIENCE

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Natural and unnatural history of the coronavirus

Chalcogen and pnictogen bonds

Medicinal properties of mushroom Geastrum saccatum

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# SCIENTIFIC CORRESPONDENCE

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- 1833 Discerning sustainable interaction between agriculture and energy in India K. V. Praveen, Girish K. Jha and K. S. Aditya
- 1840 Rapid assessment of the October 2020 Hyderabad urban flood and risk analysis using geospatial data

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#### RESEARCH ARTICLES

- 1863 Do seasonal forecasts of Indian summer monsoon rainfall show better skill with February initial conditions?
  K. Rajendran, Sajani Surendran, Stella Jes Varghese and Arindam Chakraborty
- 1875 A modification to the Indian practice of scour depth prediction around bridge piers

  B. A. Vijayasree and T. I. Eldho
- 1882 Transcriptomic response of Caenorhabditis elegans expressing human  $A\beta_{42}$  gene treated with salvianolic acid A Chee Wah Yuen, Mardani Abdul Halim, Nazalan Najimudin and Ghows Azzam
- 1894 Elemental composition and microstructure analysis of archaeological copper from Central Ganga Valley, India
  Sidharth Shankar Rai
- Multiple linear regression analysis to estimate hydrological effects in soil Rn-222 at Ghuttu, Garhwal Himalaya, India: a prerequisite to identify earthquake precursors

  Vishal Chauhan, Naresh Kumar, Vaishali Shukla and Sanjay Kumar Verma
- 1912 Gynaecological disorders associated with Brucella melitensis in goat flocks with potential risk of occupational zoonoses in Central India S. P. Awandkar, S. Kale, C. Sonekar, G. K. Gabhane, S. P. Chaudhari and N. V. Kurkure
- 1917 Unexplored pharmaceutical potential of phytocompounds extracted from the mushroom, Geastrum saccatum
  Pramod C. Mane, Ashok N. Khadse, Deepali D. Kadam, Shabnam A. R. Sayyed, Vrushali T. Thorat, Sunita D. Sarogade and Ravindra D. Chaudhari

# RESEARCH COMMUNICATIONS

- 1923 A simple protocol for rearing a native predatory mite Neoseiulus indicus Chandish R. Ballal, S. K. Gupta, Tripti Gupta and Richa Varshney
- 1927 Spatial distribution of landslides vis-à-vis epicentral distribution of earthquakes in the vicinity of the Main Central Thrust zone, Uttarakhand Himalaya, India Vikram Gupta, Ajay Paul, Sandeep Kumar and Biswajit Dash

#### **BOOK REVIEWS**

- 1933 The Indus. Andrew Robinson; reviewed by T. R. S. Prasanna
- **Annual Review of Nutrition, 2020.** Patrick J. Stover and Rudi Balling (eds); *reviewed by* Mahtab S. Bamji

## PERSONAL NEWS

- 1938 Srikumar Banerjee (1946–2021), Gautam Kumar Dey and R. B. Grover
- 1940 Bhabatarak Bhattacharyya (1944–2021), Dulal Panda, Tapas Manna, Gopal Chakrabarti and Siddhartha Roy



COVER. Mushroom, *Geastrum saccatum* Fr. on the campus of Shri Shiv Chhatrapati College, Junnar. Photo: Ravindra D. Chaudhari. See page 1917.

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