

Editorial

Volume 47 Issue 1 January 2026 pp. i-ii

DOI: <http://doi.org/10.22438/jeb/47/1/Editorial-1>*J. Environ. Biol.*, 2026

© Triveni Enterprises, Lucknow (India)

Journal website : www.jeb.co.in ★ E-mail : editor@jeb.co.in

Small steps and great success: JEB's luminous visibility for 46 years

Journal of Environmental Biology has successfully completed 46th year of publication. Since inception, the journal has consistently catered to the needs of the scientific community by disseminating research from varied fields and has attained global recognition from the research fraternity. The journal has expanded its horizon, and today it publishes research from basic to applied sciences. Here we present the glimpse of the research contents of January issue-2026.

In the latest development, JEB has expanded the scope to include new areas –Geoinformatics & Environmental Engineering. The first five research articles in this issue are from the proceedings of a conference from the North-Eastern region of India that deal with the areas of Geohazard and Environmental Engineering. Dey and Das aimed to develop mitigation and management strategies in context of invasion of *Eichhornia crassipes* in aquatic ecosystems. Lalthazuala *et al.*, have mapped the entire Hunthar locality's susceptibility to landslide prone areas and studied the landslides physico-chemical and geotechnical characteristics of the soils of Hunthar landslide. Tlau *et al.*, in their study have analyzed temporal variations and their implications for seismic hazard assessment in the Indo-Burma region. Lalropeki *et al.*, have evaluated the relationship between ground level ozone and meteorological variables in Aizwal, Mizoram. Lalruatdika *et al.*, have monitored the vegetation dynamics for sustainable development planning.

In a study related to Environmental Sciences, Laowansiri and Phothilangka have explored a novel, practical solution to industrial wastewater while generating renewable energy. The study deals with sustainable environmental engineering with clear methodical rigor and application potential.

Two studies in this issue include biodiversity related aspects. Rajendra and Raghunathan have explored the range of *Sarcophyton spinospiculatum* to the Andaman & Nicobar Islands. Their work contributes valuable new data on the species distribution and highlights the importance of Nicobar Islands for marine conservation and ecological research. Sumanth *et al.*, have assessed the carbon stock and tree diversity to understand carbon dynamics and establish a baseline for preserving valuable urban ecosystem.

In a study on Plant ecophysiology, Al-Ghamdi and El-Zohri have confirmed the potential of magnetized sea water as a viable alternative for irrigation water scarce and arid regions.

Sayed *et al.*, have studied the ameliorative role of Rosmarinic acid against formaldehyde-induced lung toxicity in Wistar rats.

A study on Pest control by Kaur *et al.*, reports that anurans can significantly reduce the abundance of pest such as rice stem borers and grasshoppers in the rice ecosystem where pesticides are extensively used to control pests.

**Professor Divakar Dalela**

Executive Editor
Journal of Environmental Biology
Lucknow (India)
Email: editor@jeb.co.in

Former Professor & Head

Department of Urology
K.G. Medical University
Lucknow (India)

**Professor S.S.S. Sarma**

Advisory Editors
Journal of Environmental Biology
Lucknow (India)
Email: sssarma@gmail.com

Professor

National Autonomous University
of Mexico, Tlalnepantla
Mexico

An article on Sericulture by Mahesh *et al.*, elucidates standardization the rearing protocol for sustainable Eri silk production in India to boost farmer's income and support industrialization of Eri culture. Further, a study on Fisheries and Aquaculture by Singh *et al.*, demonstrates the potential of selective breeding in common carp to culture in saline aquaculture system, offering a sustainable remedy for utilization of degraded saline soil.

Singh *et al.*, in their study on Genetics and Plant Breeding have selected genetically diverse and superior parental lines of *Trichosanthes dioica* for their potential use in breeding programs for higher yield and good food quality. Kashyap *et al.*, have evaluated the phytochemical profile of *Withania somnifera* to identify and quantify the bioactive compounds using different solvent extracts of roots.

In a study on Apiculture, the first comprehensive investigation into the biology and morphometrics of *Tetragonula iridipennis* in Assam, North-east India has been reported by Saranya *et al.*, by establishing baseline morphometric and biological data, this study contributes to both the taxonomy and sustainable management of *T. iridipennis*, supporting future efforts in pollinator conservation, rural livelihoods and ecological agriculture in the region. Similarly, a study on Forest Entomology by Bhoi *et al.*, explored the host plant-pest interactions at a biochemical level, providing insights into impact of plant metabolites on the whitefly development, survival and reproduction for developing targeted pest management strategies, enhancing the sustainability of Agroforestry and ecological conservation efforts.

The last two article of issue are based on Agricultural Sciences, wherein Satyajeet *et al.*, have studied the effects of various land configurations and nutrient management on yield and economics of Indian mustard, while Harish *et al.*, have studied the genetic diversity of small bitter gourd to identify promising elite types for cultivation and further breeding programs.

We hope that the readers would find the research articles of January edition interesting, informative and useful. More interesting and emerging topics would be covered in the upcoming issues.

The popularity of JEB is the result of hard work, dedication, team spirit and commitment to quality and excellence. Here we pause and remember late Dr. R.C. Dalela for his ebullient outlook towards his work. As a tribute, the entire JEB team intends to publish a "Commemorative Issue" to honor him for his academic and scientific contributions. Latest research in the field of Toxicology would be the area of interest. For more details, the researchers can contact the Editorial office.

We wish all the readers, a Joyful and Prosperous NEW YEAR – 2026.