

# Indian Journal of Biotechnology

## Editorial Board

**Prof N S Punekar**  
Indian Institute of Technology  
Mumbai 400 076  
nsp@iitb.ac.in

**Prof Sudhir Sopory**  
Vice Chancellor  
Jawaharlal Nehru University  
New Delhi 110 067  
sopory@mail.jnu.ac.in

**Prof M Z Abdin**  
Centre for Transgenic Plant Development  
Jamia Hamdard  
New Delhi 110 062  
mzabdin@rediffmail.com

**Prof S Dutta Gupta**  
Department of Agriculture and Food  
Engineering  
Indian Institute of Technology Kharagpur  
Kharagpur 721 302  
sdg@agfe.iitkgp.ernet.in

**Dr S R Bhat**  
National Research Centre on Plant  
Biotechnology  
Pusa Campus  
New Delhi 110 012  
srbhat22@rediffmail.com

**Prof Ashok Pandey**  
Center for Innovative and Applied  
Bioprocessing (CIAB)  
SAS Nagar  
Mohali 160 071  
ashokpandey1956@gmail.com

**Prof K G Ramawat**  
Flat No. 221, Landmark Treasure Town  
Badagaon, Udaipur 313 001  
kg\_ramawat@yahoo.com aipur

**Prof T Satyanarayana**  
Delhi University South Campus  
New Delhi 110 021  
tsnarayana@gmail.com

**Dr Syed Shams Yazdani**  
International Centre for Genetic Engineering  
and Biotechnology  
New Delhi 110 067  
shams@icgeb.res.in

**Prof Sampa Das**  
Bose Institute  
93/1, Acharya Prafulla Chandra Road  
Kolkata 700 009  
sampadpb@gmail.com

**Prof M V Rajam**  
Delhi University South Campus  
New Delhi 110 021  
rajam.mv@gmail.com

**Dr Ashok K Tiwari**  
Indian Veterinary Research Institute  
Izatnagar 243 122  
aktiwari63@yahoo.com

**Prof Paramjeet Randhawa**  
University of Pittsburgh  
UPMC-Montefiore, Room E-737  
3459 5th Avenue  
PA 15213, USA  
randhawapa@upmc.edu

**Prof Indra K Vasil**  
139 Warwick Street  
Redwood City  
CA 94062, USA  
ivasil@ufl.edu

**Prof M S Reddy**  
Department of Entomology and Plant  
Pathology  
Auburn University  
AL 36849-5409, USA  
munagrs@auburn.edu

Director, NISCAIR (*Ex-Officio*)

**Editor:** Dr Tarakanta Jana  
tkj@niscair.res.in

Published by the CSIR-National Institute of Science Communication And Information Resources  
Dr K S Krishnan Marg, New Delhi 110 012

Phone: 25841289/25846304-07 Extn 269; Fax: 91-11-25847062; E-mail: [ijbt@niscair.res.in](mailto:ijbt@niscair.res.in); Website: [www.niscair.res.in](http://www.niscair.res.in)

The *Indian Journal of Biotechnology* is issued quarterly.

The Institute assumes no responsibility for the statements and opinions advanced by contributors. The editorial staff in the work of examining papers received for publication is assisted, in an honorary capacity, by a large number of distinguished scientists.

Communications regarding contributions for publication in the journal should be addressed to the Editor, *Indian Journal of Biotechnology*, National Institute of Science Communication & Information Resources, Dr K S Krishnan Marg, New Delhi 110 012.

**Annual Subscription:** Rs 1200.00      \$ 220.00\*      **Single Copy:** Rs 400.00      \$ 75.00\*  
(\*Inclusive of first class mail)

Correspondence regarding subscriptions and advertisements should be addressed to the **Sales & Distribution Officer, National Institute of Science Communication & Information Resources, Dr K S Krishnan Marg, New Delhi 110 012.**

Payments in respect of subscriptions and advertisements may be sent by cheque, bank draft, money order or postal order marked payable to **NISCAIR, New Delhi**. Bank charges shall be borne by subscriber. For inland outstation cheques, please add Rs 50.00 and for foreign cheques, please add \$ 10.00.

**Phone:** 25843359 / 25846304-07 Extn 291, 288      Subscription Complaint No. 25843359; **Fax:** 91-11-25847062  
**E-mail:** [sales@niscair.res.in](mailto:sales@niscair.res.in)

**Claims for missing numbers of the journal will be allowed only if received within 3 months of the date of issue of the journal plus the time normally required for postal delivery of the journals and the claim.**

## NISCAIR Policy on Plagiarism

The system of formal communication in science through publication in primary journals is based on originality and quality of information being the only criteria for publication. However, there have been tendencies to misuse the system and vitiate the process of science communication for personal benefits. One of the ills afflicting science communication is plagiarism. Attempts at plagiarism may range from verbatim copying of extensive material of other authors, misappropriating results/data of others with minor changes in language/presentation without giving credit to original source, to publishing essentially the same information more than once.

As the premier publisher in India of primary scientific journals in various disciplines of science and technology, NISCAIR strongly reiterates its policy of discouraging plagiarism of all kinds. All efforts are made to detect and frustrate attempts at plagiarism through editorial screening and rigorous peer review in respect of communications received for publication in the NISCAIR publications. Cooperation of the scientific community is sought in our efforts to frustrate all attempts at plagiarism.

In case any attempt to plagiarize is brought to our attention accompanied with convincing evidence, following steps would be taken:

- (a) After consulting the respective Editorial Board Members, authors guilty of plagiarism will be debarred from publishing their papers in NISCAIR journals.
- (b) Heads of the Department/Institutes of the offending authors will be intimated of such incidences of plagiarism.
- (c) Such incidents of plagiarisms will be publicized through the concerned NISCAIR journals in consultation with the respective Editorial Board Members.