

Indian Journal of Experimental Biology

<http://www.niscair.res.in>; <http://nopr.niscair.res.in>

VOLUME 52 **NUMBER 12** **DECEMBER 2014**
 CODEN: IJEB (A6) 52 (12) 1153-1248 (2014) ISSN: 0019-5189 (Print); 0975-1009 (Online)

CONTENTS

Papers

- Influence of L-arginine during bovine *in vitro* fertilization 1159
 Thiago Velasco Guimarães Silva*, Bruno Baraúna da Silva, André Luiz Alves de Sá, Nathalia Nogueira da Costa, Rafael Vilar Sampai, Marcela da Silva Cordeiro, Priscila Di Paula Bessa Santana, Paulo Roberto Adona, Simone do Socorro Damasceno Santos, Moysés dos Santos Miranda & Otávio Mitio Ohashi
- Prenatal and developmental toxicity study of meclizine and caffeine combination in female albino wistar rats 1165
 Sandeep M & Alvin Jose M*
- Daily consumption of banana marginally improves blood glucose and lipid profile in hypercholesterolemic subjects and increases serum adiponectin in type 2 diabetic patients 1173
 Ratchada Cressey*, Warunee Kumsaiyai & Ampika Mangklabruks
- Evaluation of 'cattle' and 'Indian Bison' type antigens of *Mycobacterium avium* subspecies *paratuberculosis* for diagnosis of Bovine Johne's Disease using 'indigenous ELISA' and AGPT 1182
 Donna Pahangchopi, Ran Vir Singh, Shoor Vir Singh*, Paritosh Das, Deepak Sharma, Tarun Sardana, Naveen Kumar, Kundan Kumar Chaubey & Saurabh Gupta
- Isolation of compound and CNS depressant activities of *Mikania scandens* Willd with special emphasis to brain biogenic amines in mice 1186
 Dilipkumar Pal* & Upal Kanti Mazumder
- Analysis on the arcelin expression in bruchid pest resistant wild pulses using real time RT-qPCR 1195
 Shanmugavel Sakthivelkumar, Velayutham Veeramani, Karuppiyah Hilda, Munusamy Arumugam & Sundaram Janarthanam*
- Reliable screening technique for evaluation of wild crucifers against mustard aphid *Lipaphis erysimi* (Kalt.) 1201
 SP Singh*, Sandeep Kumar, YP Singh & Ram Singh

...contd

Chromium accumulation potential of *Zea mays* grown under four different fertilizers 1206

B Dheeba*, P Sampathkumar and K Kannan

Annual Index

Author Index 1211

Subject Index 1215

List of Experts 1244

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 publish 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 detect and frustrate attempts at plagiarism through editorial screening and rigorous peer review in respect of communications received for publication in NISCAIR publications. Cooperation of the scientific community is sought in our efforts to frustrate all attempts at plagiarism.

It is mandatory on the part of the corresponding author to furnish the following certificate at the time of submission of the manuscript for publication:

[This is to certify that the reported work in the article entitle, “(give full title with all the authors name)” submitted for publication in the journal, the..... is an original one and has not been submitted for publication elsewhere. I/we further certify that proper citation to the previously reported work have been given and no data/table/figures have been quoted verbatim from other publications without giving due acknowledgement and without the permission of the author(s). The consent of all the authors of this article has been obtained for submitting the article to the journal, “.....”

Signatures and names of all the authors]

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

After consulting the respective Editorial Board Members, authors guilty of plagiarism will be debarred from publishing their papers in NISCAIR journals

Heads of the departments/institutes of the offending authors will be intimated of such incidences of plagiarism.

Such incidents of plagiarism will be publicized through the concerned NISCAIR journals in consultation with the respective Editorial Board Members.
