

Indian Journal of Experimental Biology

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

VOLUME 51 **NUMBER 5** **MAY 2013**
 CODEN: IJEB (A6) 51 (5) 343-406 (2013) ISSN: 0019-5189 (Print); 0975-1009 (Online)

CONTENTS

Papers

- Purification of heparin binding oviduct specific proteins and its effect on *in vitro* embryo development in cattle 347
 Aditya K Sharma, Sushil K Mohapatra, A K Mohanty & S K Das
- Cloning and expression of *Bos indicus* interleukin-4 in mammalian cells 352
 Prashanth T, G R Reddy, V V S Suryanaryana & H J Dechamma
- Effect of epigallocatechin-3-gallate on inflammatory mediators release in LPS-induced Parkinson's disease in rats 357
 Jehan S AL-amri, Magda M Hagraas & Mohamed I Mujallid
- Antidiabetic activity of heart wood of *Pterocarpus marsupium* Roxb. and analysis of phytoconstituents 363
 Akansha Mishra, Rohit Srivastava, Swayam Prakash Srivastava, Sudeep Gautam, Akhilesh Kumar Tamrakar, Rakesh Maurya & Arvind K Srivastava
- Role of tricalcium phosphate implant in bridging the large osteoperiosteal gaps in rabbits 375
 Satish Chandra Goel, Davinder Singh, Amit Rastogi, Vinay Kumaraswamy, Ashank Gupta & Nitin Sharma
- Sub-acute toxicity of cultured mycelia of Himalayan entomogenous fungus *Cordyceps sinensis* (Berk.) Sacc. in rats 381
 Harsahay Meena, Kshetra Pal Singh, Prem Sing Negi & Zakwan Ahmed
- Effect of UV-C on thylakoid arrangement, pigment content and nitrogenase activity in the cyanobacterium *Microchaete* sp. 388
 J K Sahu & M Šimek
- Microalgae mediated synthesis of silver nanoparticles and their antibacterial activity against pathogenic bacteria 393
 S S Sudha, Karthic Rajamanickam & J Rengaramanujam

....contd

- A multilayered supramolecular self-assembled structures from soybean oil by in situ polymerization and its applications 400

Varadharajan Kavitha & Arumugam Gnanamani

Letter to the Editor

- Protective effects of subchronic caffeine administration on cisplatin induced urogenital toxicity in male mice 406

Hamid Nasri

Announcements

Ist International and IIIrd National Conference on Biotechnology, Bioinformatics and Bioengineering

28 and 29 June 2013, Hotel Udayee International, Tirupati, India

Organized by the Society for Applied Biotechnology (www.sabt.org.in), the topics to be covered in the Conference include, but are not limited to: (1) Biodiversity and Biotechnology, (2) Plant, Food and Agricultural Biotechnology, (3) Animal, Marine and Fisheries Biotechnology, (4) Environmental and Industrial Biotechnology, (5) Pharmaceutical and Medical Biotechnology, (6) Microbial and Analytical Biotechnology, (7) Nanobiotechnology and Nanobioengineering, (8) Genomics, Proteomics and Bioinformatics, (9) Enzyme, Protein and Tissue Engineering, (10) Biochemical and Biomedical Engineering, and (11) Biotechnology Research and Opportunities. For further details, please contact: Dr. Devarajan Thangadurai, Department of Botany, Karnatak University, Dharwad, 580 003, India. Mobile: +91 9482685270/9482685280; E-mail: drthangaduraid@gmail.com; thanga@sabt.org.in or visit website: www.sabt.org.in/conferences.htm

3rd Annual Conference TSICON 2013 and Ist International Conference on Biology of Natural Toxins

19-21 December 2013, BITS Pilani, K K Birla Goa Campus Goa, India

The conference aims to provide a common platform for all researchers, clinicians, students, conservationists and industries working on different aspects of natural toxins of animals, microbes and plant, snake bite management and related environmental issues to discuss their research findings. The conference will consist of plenary sessions, invited lectures, oral and poster presentations. Scientific areas to be covered are (i) Venomics, (ii) Clinical toxinology, (iii) Characterization of natural toxins, (iv) Pharmacology, pharmacokinetics and drug discovery, (v) Anti-venom/Antidotes and Industry, (vi) Ethics in toxin research, and (vii) Conservation of poisonous and venomous species. For details please contact Dr. Dibakar Chakrabarty, Department of Biological Sciences, BITS Pilani K.K Birla Goa Campus, Goa 403 726. Telephone: +91 832 2580173; E-mail: tsicon2013@gmail.com or visit website: <http://www.tsicon2013.org/>; or Prof. Antony Gomes, Laboratory of Toxinology and Experimental Pharmacodynamics, Department of Physiology, University of Calcutta, 92, A. P. C. Road, Kolkata 700 009. Mobile: +91-9433139031 Fax: 91-033-2351975; E-mail: secretary.tsi@gmail.com
