

Indian Journal of Experimental Biology

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

VOLUME 49

NUMBER 9

SEPTEMBER 2011

CODEN: IJEB (A6) 49 (9) 641-716 (2011)

ISSN: 0019-5189 (print) 0975-1009 (online)

CONTENTS

Papers

- Cloning, protein expression and display of synthetic multi-epitope mycobacterial antigens on *Salmonella Typhi* Ty21a cell surface 645
Mohammed A A Sarhan, Mustaffa Musa & Zainul F Zainuddin
- Characterization and *in vitro* expression of non-structural 1 protein of canine parvovirus (CPV-2) in mammalian cell line 654
Lovleen Saxena, Uttara Chaturvedi, Shikha Saxena, G Ravi Kumar, A P Sahoo, Sudesh Kumar, J Doley, R S Rajmani, Prafull K Singh, Rajiv Kumar & Ashok K Tiwari
- Involvement of AMPA receptors for *Mesobuthus tamulus* Pocock venom-induced depression of monosynaptic reflex in neonatal rat spinal cord *in vitro* 660
Amar N Maurya & Shripad B Deshpande
- Effect of nitric oxide in protective effect of melatonin against chronic constriction sciatic nerve injury induced neuropathic pain in rats 664
Anil Kumar, Seema Meena, Harikesh Kalonia, Amit Gupta & Puneet Kumar
- Effect of combination of thalidomide and sulfasalazine in experimentally induced inflammatory bowel disease in rats 672
O Prakash, B Medhi, U N Saikia & P Pandhi
- Effect of *Zataria multiflora* Bois L. on histamine (H₁) receptor of guinea pig tracheal chains 679
Mohammad Hossein Boskabady & Hengameh Tabanfar
- Effect of oleic, lauric and myristic acids on phenylephrine-induced contractions of isolated rat vas deferens 684
M L Arruzazabala, Y Pérez, Y Ravelo, V Molina, D Carbajal, R Mas & E Rodgriguez
- Effect of green tea (*Camellia sinensis* L.) extract on morphological and functional changes in adult male gonads of albino rats 689
Amar K Chandra, Shyamosree Roy Choudhury, Neela De & Mahitosh Sarkar
- Analgesic activity of the aqueous seed extract of *Hunteria umbellata* (K. Schum.) Hallier f. in rodents 698
Olufunmilayo Olaide Adeyemi, Adejuwon Adewale Adeneye & Tope Elizabeth Alabi

..contd

- Protection against radiation clastogenecity in mouse bone marrow by
Phyllanthus niruri 704
Indu Thakur, P Uma Devi & Papiya Bigoniya
- In vitro* propagation and mass scale multiplication of a critically endangered
epiphytic orchid, *Gastrochilus calceolaris* (Buch.-Ham ex J.E.Sm.) D.Don
using immature seeds 711
Promila Pathak, Hossein Piri, S P Vij, K C Mahant & Shaveta Chauhan

Announcements

- Interactive Workshop on Systems Approach to Modern Biomolecular Technology;
1st National Conference on Toxinology 2011 & 1st Annual Conference of
Toxinological Society of India 644

Announcements

Interactive Workshop on Systems Approach to Modern Biomolecular Technology

15-16 December 2011

Organised by the Centre of Advanced Study in Crystallography and Biophysics, and Bioinformatics Infrastructure Facility, University of Madras, the workshop will include interactive discussions on protein structure, protein function, structure determination, functional characterisation and structure-function relationships. For details, please contact, Prof. D. Velmurugan, Convenor, Centre of Advanced Study in Crystallography and Biophysics, University of Madras, Maraimalai (Guindy) Campus, Chennai 600 025. Telephone: 044-22300122, Fax: 044-22300122, Mobile: 09841075847, E-mail: shirai2011@gmail.com; dvelmurugan@unom.ac.in; toxinology2011@gmail.com

1st National Conference on Toxinology 2011

&

1st Annual Conference of Toxinological Society of India

17-18 December 2011

Jointly organised by the Centre of Advanced Study in Crystallography and Biophysics, University of Madras, Poison Control Training and Research Centre, Madras Medical College and Rajiv Gandhi Government General Hospital, Chennai the national conference will cover the following topics: Animal, microbial and plant toxins; Snake bite management; Toxins to therapeutics; Genomic analysis; Proteomic analysis; Bioinformatics and computational biology; and Molecular modelling and drug design. For further details kindly contact, Prof. D. Velmurugan, Convenor-TSICON 2011, Director & Head, Centre of Advanced Study in Crystallography & Biophysics, University of Madras, Maraimalai (Guindy) Campus, Chennai 600 025, India. Telephone: 044-22300122, Fax: 044-22300122, Mobile: 09841075847, E-mail: shirai2011@gmail.com; dvelmurugan@unom.ac.in; toxinology2011@gmail.com or Prof. C. Rajendiran, Organizing Secretary TSICON-2011, Poison Control Training and Research Centre, Madras Medical College and Rajiv Gandhi Government General Hospital, Chennai 600 003. Mobile: 09841017720, Telephone: 044-26640648, E-mail: dr.cranjendiran@gmail.com
