

Indian Journal of Experimental Biology

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

VOLUME 49

NUMBER 10

OCTOBER 2011

CODEN: IJEB (A6) 49 (10) 717-798 (2011)

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

CONTENTS

Review Articles

Dynamic life of a skin keratinocyte: An intimate tryst with the master regulator p63 721
Rose-Anne Romano & Satrajit Sinha

Tocotrienols: The lesser known form of natural vitamin E 732
Viren Patel, Cameron Rink, Savita Khanna & Chandan K Sen

Papers

Spirulina platensis protects neurons via suppression of glial activation and peripheral sensitization leading to restoration of motor function in collagen-induced arthritic rats 739
Nisha Patro, Arpita Sharma, Keerti Kariaya & Ishan Patro

Insulin resistance mediated biochemical alterations in eye lens of neonatal streptozotocin-induced diabetic rat 749
P Suryanarayana, Madhoosudan A Patil & G Bhanuprakash Reddy

Antihyperglycemic and antioxidative attribute of hydroethanolic extract of *Butea monosperma* (Lam.) seeds and its active constituents 756
Nidhi Sharma & Veena Garg

Antioxidant and gastroprotective activities of *Andrographis paniculata* (Hempedu Bumi) in Sprague Dawley rats 767
S Q Wasman, A A Mahmood, Lee Suan Chua, Mohammed A Alshawsh & S Hamdan

Novel substrate (algal protein) for cultivation of *Rhodospirillum rubrum* 773
T M Vatsala, R Rekha & R Srividhya

Non-exhaustive test for aerobic capacity determination in running rats 781
F B Manchado-Gobatto, C A Gobatto, RVL Contarteze & M A R Mello

Effect of mating and parasitism regimes on progeny production and sex-ratio of *Campoletis chlorideae* Uchida 786
M K Dhillon & H C Sharma

..Contd.

Note

- Sodium selenite attenuated cisplatin-induced toxicity in rats: Role of electrolytes homeostasis 791
Shafaq Noori & Tabassum Mahboob

Book Reviews

- Quality standards of Indian medicinal plants 795
H B Singh
- Indian medicinal plants 797
M A A Khan

Announcements

- 12th Indo-US Cytometry Workshop; 2nd International Conference on Stem Cells and Cancer (ICSCC-2011): Proliferation, differentiation, and apoptosis 720

Announcements

12th Indo-US Cytometry Workshop (www.cytometryworkshops.com)

14–16 October 2011

Manipal Life Sciences Centre, Manipal University, India

The workshop will include: lectures on basic flow cytometry, wet lab experiments, and tutorials. The resource persons are drawn from expertise in India and US. Graduate students, post-doctoral researchers and young faculty members are requested to apply along with their bio-data to: Dr. K. Satyamoorthy, Director, Manipal Life Sciences Center, Planetarium Complex, Manipal University, Manipal 576 104, India. Telephone: +91 820 2922702; Fax: +91 820 2571919; E-mail: mlsc@manipal.edu; Web: <http://www.manipal.edu/Research/Pages/Conferences.aspx>

2nd International Conference on Stem Cells and Cancer (ICSCC-2011):

Proliferation, differentiation, and apoptosis

15–18 October 2011

Yashada Auditorium, Baner Road, Pune, India

The conference will cover basic and applied research on proliferation, differentiation and apoptosis of stem and cancer cells, hematopoietic stem cells, embryonic stem cells, induced pluripotent stem cells, mesenchymal stem cells, cardiac and neuronal stem cells, epigenetic regulation of cancer and stem cells, cancer stem cells, stem cell therapy, clinical trials on using stem cells and monoclonal antibodies, anti-cancer drugs, commercialization of stem cell technologies and biologics/biosimilars for cancer and other disease treatment. For details and online registration visit www.eregnow.com/?icscc2011 or contact Prof. Dr. Sheo Mohan Singh (& Prof. Dr. Christian Buske, Germany), Organizer, 2nd International Conference on Stem Cells and Cancer (ICSCC-2011), Pune, India. Telephone: +91-9545089202; E-mail: icscc2011@gmail.com; http://www.stemcells.org.in/?page_id=37
