



**Asian Pacific Journal of  
Tropical Biomedicine**  
**Monthly**



**Volume 4, Number 3, Mar, 2014**

[www.apjtb.com](http://www.apjtb.com)

Covered by **Medline, PubMed Central, BA, CSA, CA, WPRIM, Scopus, EM, ZR, CABI, Global Health, IC, UPD**

Statement of Ethical: Conflict of Interest, Human/Animal Rights, Informed Consent, please refer to Information for authors in inside back cover.  
Copyright © 2014, Asian Pacific Tropical Medicine Press, Elsevier (Singapore) Pte Ltd. All rights reserved.

## Contents

### Basic researches

- Isolation and structural elucidation of cytotoxic compounds from the root bark of *Diospyros quercina* (Baill.) endemic to Madagascar 169

*Fatiany Pierre Ruphin, Robijaona Baholy, Randrianarivo Emmanuel, Raharisololalao Amelie, Marie-Therese Martin, Ngoboua Koto-te-Nyiwa*

- Comparative micromorphological study of wild and micropropagated *Dioscorea bulbifera* Linn. 176

*Mubo A. Sonibare, Adedapo A. Adeniran*

- 15-Lipoxygenase inhibition of *Commelina benghalensis*, *Tradescantia fluminensis*, *Tradescantia zebrina* 184

*Cean Socorro M. Alaba, Christine L. Chichioco-Hernandez*

- Phytochemical constituents and antibacterial activity of some green leafy vegetables 189

*Ramesa Shafi Bhat, Sooad Al-Daihan*

- Acute and subacute oral toxicity study on the flavonoid rich fraction of *Monodora tenuifolia* seed in albino rats 194

*Raphael Chukwuma Ekeanyanwu, Obioma Uzoma Njoku*

- Chromatographic finger print analysis of anti-inflammatory active extract fractions of aerial parts of *Tribulus terrestris* by HPTLC technique 203

*Mona Salih Mohammed, Mohamed Fahad Alajmi, Perwez Alam, Hassan Subki Khalid, Abelkhalig Muddathir Mahmoud, Wadah Jamal Ahmed*

Ashkan Ghasemi Moghaddam, Mozafar Razavi Seyed, Mehrshad Rasouli, Sajad Hosseinzade, Mohammad Mehdi Darvishi, Arash Rakhshanpour, Mohammad Taghi Rahimi

Long-term spatial memory and morphological changes in hippocampus of Wistar rats exposed to smoke from *Carica papaya* leaves 213

Aboyoji Lukuman Oyewole, Bamidele Victor Owoyele

Anti-oxidative and anti-inflammatory effects of *Tagetes minuta* essential oil in activated macrophages 219

Parastoo Karimian, Gholamreza Kavoosi, Zahra Amirghofran

Hesperidin as a preventive resistance agent in MCF-7 breast cancer cells line resistance to doxorubicin 228

Rifki Febriansah, Dyaningtyas Dewi P.P., Sarmoko, Nunuk Aries Nurulita, Edy Meiyanto, Agung Endro Nugroho

## Epidemiological investigation

Prevalence and antimicrobial resistance of *Salmonella* spp. in raw retail frozen imported freshwater fish to Eastern Province of Saudi Arabia 234

Nasredin Elhadi

## Management and decision-making

Evidence of increasing L1014F kdr mutation frequency in *Anopheles gambiae* s.l. pyrethroid resistant following a nationwide distribution of LLINs by the Beninese National Malaria Control Programme 239

Nazaire Aïzoun, Rock Aïkpon, Martin Akogbéto

## Letter to editor

Katayama syndrome in patients with schistosomiasis 244

Shailendra Kapoor

## Review

An update on Ayurvedic herb *Convolvulus pluricaulis* Choisy 245

Parul Agarwa, Bhawna Sharma, Amreen Fatima, Sanjay Kumar Jain

---

Statement of Ethical, including Conflict of Interest, Human/Animal Rights, Informed Consent, please refer to Information for authors in inside back cover.

Copyright © 2014, Asian Pacific Tropical Medicine Press, Elsevier (Singapore) Pte Ltd. All rights reserved.  
[Serial parameters] ISSN 2221-1691 2011 m A4 84 en P \$ 31.5 3000 14 2014-3

---