

# Table of Contents

Journal of Medicinal Plants for Economic Development

ISSN: 2519-559X (print) | ISSN: 2616-4809 (online)

Vol 4, No 1 (2020)

## Original Research

1

Chemical composition, antioxidant potential and antimicrobial activities of *Ixora scheffleri* subspecies *keniensis* essential oil

Peter K. Njenga, Samuel M. Mugo

Journal of Medicinal Plants for Economic Development | Vol 4, No 1 | a58 | 13 February 2020

## Original Research

8

Comparative in-vitro anticancer and brine shrimp cytotoxic activities of *Mezoneuron benthamianum* Baill.

Paul M. Osamudiamen, Olapeju O. Aiyelaagbe, Shagun Vaid, Payare L. Sangwan, Abiodun B. Ogbesejana, Ajit K. Saxen

Journal of Medicinal Plants for Economic Development | Vol 4, No 1 | a73 | 25 June 2020

## Original Research

13

Anti-snake venom and analgesic activities of extracts and betulinic and oleanolic acids isolated from *Parinari curatellifolia*

Emmanuel Mshelia Halilu, Natasha October, Chinenye Jane Ugwah-Oguejiofor, Amina Yusuf Jega, Mathias Sylvester Nefai

Journal of Medicinal Plants for Economic Development | Vol 4, No 1 | a77 | 29 June 2020

## Original Research

21

Suppressive and curative antiplasmodial properties of *Nauclea latifolia* root extract and fractions against erythrocytic stage of mice-infective chloroquine-sensitive *Plasmodium berghei* NK-65

Chinwe S. Alaribe, Akolade R. Oladipupo, Miracle O. Nani, Innocent N. Ijeoma, Bolutiwi D. Olanipekun, Herbert A.B. Coker

Journal of Medicinal Plants for Economic Development | Vol 4, No 1 | a72 | 30 June 2020

## Original Research

27

Anti-diarrhoeal activity of aqueous extract of *Cochlospermum planchonii* (Hook Fx. Planch) leaves in female Wistar rats

Musa T. Yakubu, Omowunmi D. Amoniyan, Mariam O. Mohammed, Christine I. Assin, Jemilat O. Abubakar, Saoban S. Salimon, Sikemi A. Omar

Journal of Medicinal Plants for Economic Development | Vol 4, No 1 | a81 | 30 June 2020

## Original Research

35

Antioxidant assessment of characterised essential oils from *Calophyllum inophyllum* Linn using 2,2-diphenyl-1-picrylhydrazyl and hydrogen peroxide methods

Emmanuel O. Ojah, Dorcas O. Moronkola, Paul M. Osamudiamen

Journal of Medicinal Plants for Economic Development | Vol 4, No 1 | a83 | 08 September 2020

## Original Research

44

Antidiarrhoeal activity of fractions of aqueous extract of *Mangifera indica* L. leaves in castor oil-induced diarrhoeal female Wistar rats

Saoban S. Salimon, Musa T. Yakubu

Journal of Medicinal Plants for Economic Development | Vol 4, No 1 | a88 | 14 September 2020

## Original Research

51

Effect of lupeol from *Vernonia glaberrima* (Asteraceae) on pain and inflammation

Amina J. Yusuf, Musa I. Abdullahi, Aisha M. Umar, Fatima Musa

Journal of Medicinal Plants for Economic Development | Vol 4, No 1 | a84 | 15 September 2020

## Original Research

56

Chemical composition, cytotoxicity and anti-mycobacterium activities of *Clauseana anisata* essential oils

Ibraheem O. Lawal

Journal of Medicinal Plants for Economic Development | Vol 4, No 1 | a90 | 29 September 2020

## Original Research

64

Antimicrobial activity of *Ficus exasperata* (Vahl) leaf extract in clinical isolates and its development into herbal tablet dosage form

Tolulope O. Ajala, Ayobami J. Olusola, Oluwatoyin A. Odeku

Journal of Medicinal Plants for Economic Development | Vol 4, No 1 | a95 | 19 October 2020

## Original Research

72

Structure and conduct of medicinal plants supply chain in Kwara State

Matthew O. Adewumi, Grace O. Akinsola, Olaide O. Olawoye

Journal of Medicinal Plants for Economic Development | Vol 4, No 1 | a93 | 22 October 2020

## Original Research

81

Safety profile of *Irvingia gabonensis* (Aubry-Lecomte ex O'Rorke) Baill. root bark extract: Acute and sub-acute toxicity studies in Wistar rats

Aliyu Nuhu, Ezzeldin M. Abdurahman, Umar H. Danmalam, Muhammed U. Kawu, Ali M. Zakariya, Ayodeji E. Ayeni

Journal of Medicinal Plants for Economic Development | Vol 4, No 1 | a102 | 23 October 2020

## Original Research

89

*Lantana trifolia*: Phytochemical and elemental composition, proximate contents and gas chromatography–mass spectrometry profile

Edwin S. Madivoli, Kevin O. Ondoo, Ernest G. Maina, Fred Rugenyi

Journal of Medicinal Plants for Economic Development | Vol 4, No 1 | a94 | 28 October 2020

## Original Research

97

Assessment of anxiolytic potential and acute toxicity study of *Combretum micranthum* G. Don. leaves (Combretaceae)

Mohammed O. Amali, Soliu A. Atunwa, Quadri A. Omotesho, Eniola O. Oyedotun, Akeem I. Olapade

Journal of Medicinal Plants for Economic Development | Vol 4, No 1 | a97 | 18 December 2020

---

**Review Article**

**105**

Ethnoveterinary medicinal plants application for the treatment of tick-borne diseases in cattle around the Eastern Cape Province of South Africa

*Siza Mthi, Jean Rust, Mandla Yawa, Louis Tyasi*

Journal of Medicinal Plants for Economic Development | Vol 4, No 1 | a100 | 29 October 2020

---

**Reviewer Acknowledgement**

**112**

Journal of Medicinal Plants for Economic Development | Vol 4, No 1 | a105 | 20 December 2020