

Volume 14, Number 2, April 2024



Open Journal of Animal Sciences



9 7722161759004 02

<https://www.scirp.org/journal/ojas>

Journal Editorial Board

ISSN 2161-7597 (Print) ISSN 2161-7627 (Online)

<https://www.scirp.org/journal/ojas>

Editor-in-Chief

Prof. Young W. Park

Fort Valley State University, USA

Associate Editors

Prof. Elsayed Ibrahim Elagamy

Al-Qassim University, Saudi Arabia

Prof. Bulent Elitok

Afyon Kocatepe University, Türkiye

Editorial Board

Dr. Ebru Çetin

University of Erciyes, Türkiye

Prof. Mahmoud Mohamed Ahmed Abdel-Aziz

King Faisal University, Saudi Arabia

Prof. Adel Abdallah Abdel-Ghani

Minia University, Egypt

Prof. Ahmed A. Al-Haidary

King Saud University, Saudi Arabia

Prof. Berna Arda

Ankara University School of Medicine, Türkiye

Prof. Osama Ibrahim Azawi

University of Mosul, Iraq

Prof. Klaus-Peter Brüssow

Leibniz Institute for Far Animal Biology (FBN) Dummerstorf, Germany

Prof. V. A. P. Cadavez

Polytechnic Institute of Braganza, Portugal

Prof. Ivan Cunha Bustamante Filho

Universidade Federal do Rio Grande do Sul, Brazil

Prof. Alejandro Córdova Izquierdo

Autonomous Metropolitan University, Mexico

Prof. Suresh Dinkar Kharche

Central Institute for Research on Goats, India

Prof. Oguz Kul

Kirikkale University, Türkiye

Dr. Bagath Madijagan

National Institute of Animal Nutrition and Physiology, India

Prof. Zissis Mamuris

University of Thessaly, Greece

Dr. Rahul Mahavir Nandre

Kansas State University, USA

Prof. Ahmad Oryan

Shiraz University, Iran

Prof. Ruliang Pan

Northwest University (NWU), China

Prof. Santosh Pandey

Iowa State University, USA

Prof. Paolo Polidori

University of Camerino, Italy

Prof. H. P. Puttaraju

Bangalore University, India

Dr. Mrigendra Rajput

Arkansas Tech University, USA

Prof. Ali Saadoun

University of the Republic, Uruguay

Prof. Sobhy M. A. Sallam

Alexandria University, Egypt

Dr. Newton Soares da Silva

Universidade do Vale do Paraíba, Brazil

Dr. Marcos Andre Vannier-Santos

Instituto Oswaldo Cruz/IOC, Brazil

Prof. Augusto Vitale

Italian National Institute of Health, Italy

Prof. Qiao Wang

Massey University, New Zealand

Prof. Wolfgang Johann Weninge

Centre for Anatomy and Cell Biology, Austria

Prof. Hongli Yan

Genomic Medicine Institute, China

Prof. Arda Yildirim

Gaziosmanpasa University, Türkiye

Prof. Moustafa M. Zeitoun

Qassim University, Saudi Arabia

Prof. Huitong Zhou

Lincoln University, New Zealand

Table of Contents

Volume 14 Number 2

April 2024

**Prevalance of Bovine Cysticercosis in Egypt and the Cysticidal Effect of Two Extracts
Obtained from *Balanites aegyptiaca* and *Moringa oleifera* on Mice Model Affected with
T. saginata Cysticerci**

O. M. Kandil, N. M. F. Hassan, D. Sedky, H. A. Shalaby, H. M. Ashry, N. M. T. A. El Ezz, S. M. Kandeel,
M. S. Abdelfattah, L. Ying, E. M. Al-Olayan 39

**Fruit Powder of *Tetrapleura tetraptera* in Local Feed on Some Zootechnical Performances of
Juveniles of *Clarias gariepinus* in Concrete Tank**

N. T. Ruben, A. Abdoulaye, K. J. Raphaël, T. Alexis 56

**Effects of Fresh *Cupressus sempervirens* Leaves Infusion on Growth Performance, Intestinal
Microbiota and Haemato-Biochemical Parameters in Broilers**

D. Mikael, N. M. N. Bertine, C. M. Aimee, T. T. Romario, E. N. Bih, D. T. Chamberlin, N. K. Camile,
T. J. Franklain, N. T. Boris, K. J. Raphaël 70

**Biochemical Liver Functions and Molecular Identification of *Fasciola hepatica* from
Experimentally Infected Rat Model**

O. M. Kandil, E. B. Ata, M. P. Gabrashanska, H. A. Shalaby, T. H. A. El-Aziz, N. M. F. Hassan, S. M. Nasr,
M. A. Helal, E. M. Al-Olayan 88

Effects of Supplemental Glutamine and Lysine on Growth Performance of Broiler Chickens

A. F. Alsogair, N. M. Alhawiti, S. N. Nahashon 101

**Effect of the Dietary Substitution of Fish Meal with *Achatina fulica* Meat Meal on the Growth
Performance and Production Cost of African Catfish (*Clarias gariepinus*) Fingerlings**

D. Ewane, A. A. Andoh, F. N. Ambeno, B. A. Nkemnyi, M. A. Arrey, B. O. Oben, P. M. Oben 123

Birds' Diversity in Kalfou Forest Reserve and Its Peripheral Zone, Far North, Cameroon

P. G. N. Kougom, S. A. Tamungang, D. Wansang, J. Tonleu, L. Soufo, M. Bilal, A. II. Taku, A. Tegui 137

Open Journal of Animal Sciences (OJAS)

Journal Information

SUBSCRIPTIONS

The *Open Journal of Animal Sciences* (Online at Scientific Research Publishing, <https://www.scirp.org/>) is published quarterly by Scientific Research Publishing, Inc., USA.

Subscription rates:

Print: \$79 per issue.

To subscribe, please contact Journals Subscriptions Department, E-mail: sub@scirp.org

SERVICES

Advertisements

Advertisement Sales Department, E-mail: service@scirp.org

Reprints (minimum quantity 100 copies)

Reprints Co-ordinator, Scientific Research Publishing, Inc., USA.

E-mail: sub@scirp.org

COPYRIGHT

Copyright and reuse rights for the front matter of the journal:

Copyright © 2024 by Scientific Research Publishing Inc.

This work is licensed under the Creative Commons Attribution International License (CC BY).

<http://creativecommons.org/licenses/by/4.0/>

Copyright for individual papers of the journal:

Copyright © 2024 by author(s) and Scientific Research Publishing Inc.

Reuse rights for individual papers:

Note: At SCIRP authors can choose between CC BY and CC BY-NC. Please consult each paper for its reuse rights.

Disclaimer of liability

Statements and opinions expressed in the articles and communications are those of the individual contributors and not the statements and opinion of Scientific Research Publishing, Inc. We assume no responsibility or liability for any damage or injury to persons or property arising out of the use of any materials, instructions, methods or ideas contained herein. We expressly disclaim any implied warranties of merchantability or fitness for a particular purpose. If expert assistance is required, the services of a competent professional person should be sought.

PRODUCTION INFORMATION

For manuscripts that have been accepted for publication, please contact:

E-mail: ojas@scirp.org



Open Journal of Animal Sciences

ISSN 2161-7597 (Print) ISSN 2161-7627 (Online)
<https://www.scirp.org/journal/ojas>

Editor-in-Chief

Prof. Young W. Park

Fort Valley State University, USA

Editorial Board

Dr. Ebru Çetin
Prof. Mahmoud Mohamed Ahmed Abdel-Aziz
Prof. Adel Abdallah Abdel-Ghani
Prof. Ahmed A. Al-Haidary
Prof. Berna Arda
Prof. Osama Ibrahim Azawi
Prof. Klaus-Peter Brüssow
Prof. V.A.P. Cadavez
Prof. Ivan Cunha Bustamante Filho
Prof. Alejandro Córdova Izquierdo
Prof. Suresh Dinkar Kharche

Prof. Oguz Kul
Dr. Bagath Madijagan
Prof. Zissis Mamuris
Dr. Rahul Mahavir Nandre
Prof. Ahmad Oryan
Prof. Ruliang Pan
Prof. Santosh Pandey
Prof. Paolo Polidori
Prof. H. P. Puttaraju
Dr. Mrigendra Rajput
Prof. Ali Saadoun

Prof. Sobhy M.A. Sallam
Dr. Newton Soares da Silva
Dr. Marcos Andre Vannier-Santos
Prof. Augusto Vitale
Prof. Qiao Wang
Prof. Wolfgang Johann Weninge
Prof. Hongli Yan
Prof. Arda Yildirim
Prof. Moustafa M. Zeitoun
Prof. Huitong Zhou

Open Journal of Animal Sciences (OJAS) is an international journal dedicated to the latest advancement of animal sciences. The goal of this journal is to provide a platform for scientists and academicians all over the world to promote, share, and discuss various new issues and developments in different areas of animal sciences. All manuscripts must be prepared in English, and are subject to a rigorous and fair peer-review process. Generally, accepted papers will appear online within 3 weeks followed by printed hard copy. The journal publishes original papers including but not limited to the following fields:

- Animal Behavior
- Animal Cognition
- Animal Conservation
- Animal Ecology
- Animal Genetics
- Animal Physiology and Nutrition
- Animal Products and Processing
- Animal Reproduction
- Breeding and Genetics
- Embryo Manipulation
- Environment and Housing
- Ethology and Welfare
- Feeds and Feeding
- Food Evaluation
- Livestock Economics
- Nutrition and Digestion
- Physiology and Endocrinology
- Tropical Animal Health and Production

We are also interested in: 1) Short Reports—2-5 page papers where an author can either present an idea with theoretical background but has not yet completed the research needed for a complete paper or preliminary data; 2) Book Reviews—Comments and critiques.

Website and E-Mail

<https://www.scirp.org/journal/ojas>

E-mail: ojas@scirp.org