e-ISSN: 2550-6986 p-ISSN: 2550-6994

VOLUME 7 / NUMBER 1 / APRIL 2023

International Journal of Life Sciences





Ecuador, South America

International Journal of Life Sciences

EDITOR-IN-CHIEF

Vladimir Besada

Center for Genetic Engineering and Biotechnology Havana, Havana, Cuba

$C\ H\ I\ E\ F$ $E\ X\ E\ C\ U\ T\ I\ V\ E$ $E\ D\ I\ T\ O\ R$

María Rodríguez Gámez

Universidad Técnica de Manabí, Portoviejo, Ecuador

E D I T O R S

Irmgard Blindow

University Greifswald Hiddensee Biology Research Station, Kloster, Germany

Ryszard Amarowicz

Institute of Animal Reproduction and Food Research PAS, Olsztyn, Poland

G. Chen

Kansas State University, Department of Grain Science & Industry, Manhattan, Kansas, United States

Martyn Kelly

Bowburn Consultancy, Durham, United Kingdom

Vijay Juneja

USDA-ARS Eastern Regional Research Center, Wyndmoor, Pennsylvania, United States

H. Corke

Shanghai Jiao Tong University, Shanghai, China

Wolf M. Mooij

Netherlands Institute of Ecology, Wageningen, Netherlands

Catherine M.G.C. Renard

National Research Institute for Agriculture Food and Environment Pays de la Loire Center, Nantes, France

A S S O C I A T E E D I T O R S

A. Gharsallaoui

Laboratory of Bioengineering and Microbial Dynamics at the Food Interfaces, Bourg en Bresse, France

M. Schreiner

University of Natural Resources and Life Sciences Vienna, Wien, Austria

Augustina Sackle

Food Technology, Cape Coast Technical University, Ghana, Havana

X. Liu

University of Hong Kong, Pokfulam, Hong Kong

Z. Chen

University of Maryland at College Park, College Park, Maryland, United States

T. Popova

Institute of Animal Science, Bulgarian Agricultural Academy, Kostinbrod, Bulgaria

Lizardo M.R. Bowen

Agricultural engineering, Universidad Técnica de Manabí, Portoviejo, Ecuador

EDITORIAL BOARD

S. Holden

Norwegian University of Life Sciences Department of Economics and Resource Management, Aas, Norway

H. Bao

University of Cambridge, Cambridge, United Kingdom

Williams J.M. Mata

Environment Sciences, Universidad Técnica de Manabí, Portoviejo, Ecuador

Mubeen Javed

Health & Life Sciences, Coventry University, United Kingdom

P. Huhtanen

Sveriges Lantbruks Universitet (SLU), Uppsala, Sweden

S. Vidyarthi

The Morning Star Company, Woodland, California, United States

Tamar Nadiradze

Natural Science & Biology-Ecology Department, Iakob Gogebashvili Telavi State University, Georgia

Santanu Panda

Animal Biotechnology, Institute of Animal Health and Veterinary Biologicals, Kolkata

D.M. Weary

University of British Columbia, Vancouver, BC, Canada

Carlos A.L. Velásquez

Teaching and Educational Research, Technical University of Manabí, South America

Aysar Yasin

Energy Engineering & Environment, An-Najah National University, Palestinian Territory

Dharmendra Singh

Cancer Biology, & Molecular Biology, Houston Methodist Research Institute, USA

I N T E R N A T I O N A L A D V I S O R Y B O A R D

C. Shackleton

Rhodes University, Department of Environmental Science, Grahamstown, South Africa

N.P.P. Macciotta

University of Sassari, Sassari, Italy

C. Raymond

Swedish University of Agricultural Sciences Alnarp Campus, Alnarp, Sweden

D. Ramsey

Brandon University, Brandon, Manitoba, Canada

X. Zhang

City University of Hong Kong Department of Public Policy, Hong Kong, Hong Kong

A. Barnes

Scotland's Rural College -Aberdeen Campus, Aberdeen, Scotland, United Kingdom

J.C.P. Ferreira

University of Sao Paulo State (UNESP), Botucatu/SP, Brazil

Grether L.R. Perez

Universidad Técnica de Manabí, Portoviejo, Ecuador

V. M. Gómez-López

San Antonio Catholic University of Murcia, Murcia, Spain

P R O D U C T I O N E D I T O R

D. Pannell

The University of Western Australia School of Agricultural and Environment, Perth, Australia

T. Rudel

Rutgers The State University of New Jersey, New Brunswick, New Jersey, United States

W E B M A S T E R

Vedran Vucic PKP Developer, Belgrade

COPYRIGHT AND COPYING (IN ANY FORMAT)

Articles published in the International Journal of Life Sciences (IJLS) are available under *Creative Commons Attribution Non-Commercial No Derivatives License (CC BY-NC-ND 4.0)*. Authors retain copyright in their work and grant IJLS right of first publication under CC BY-NC-ND 4.0. Users have the right to read, download, copy, distribute, print, search, or link to the full texts of articles in this journal, and to use them for any other lawful purpose. Articles published in IJLS can be copied, communicated and shared in their published form for non-commercial purposes provided full attribution is given to the author and the journal. Authors are able to enter into separate, additional contractual arrangements for the non-exclusive distribution of the journal's published version of the work (e.g., post it to an institutional repository or publish it in a book), with an acknowledgment of its initial publication in this journal.

DISCLAIMER

The Publisher and Editors cannot be held responsible for errors or any consequences arising from the use of information contained in this journal; the views and opinions expressed do not necessarily reflect those of the Publisher and Editors, neither does the publication of advertisements constitute any endorsement by the Publisher and Editors of the products advertised.

For submission instructions, subscription and all other information visit: https://sciencescholar.us/journal/index.php/ijls/

Physical and chemical quality of chicken eggs (Lohman brown strains) feed conventional feed with the addition of lemuru fish oil I Gusti Bagus Basudewa, I Putu Ari Astawa, I Gusti Lanang Oka Cakra, I Made Nuriyasa Giving of concentrate based on fermented chicken livestock waste and its effect on carcase characteristics and microbial profile of landrace pork meat (LD muscle) I Nuoman Tirta Ariana, Bulkaini, I N. Sumerta Miwada, N. L. P. Sriyani.

I Nyoman Tirta Ariana, Bulkaini, I N. Sumerta Miwada, N. L. P. Sriyani, I Made Nuriyasa





Universidad Técnica de Manabí

Av. Urbina y Che Guevara, APARTADO: 82 (Ecuador/South America)

email: ijls@utm.edu.ec Phone: (05) 2635-611 Fax: (05) 2651-569