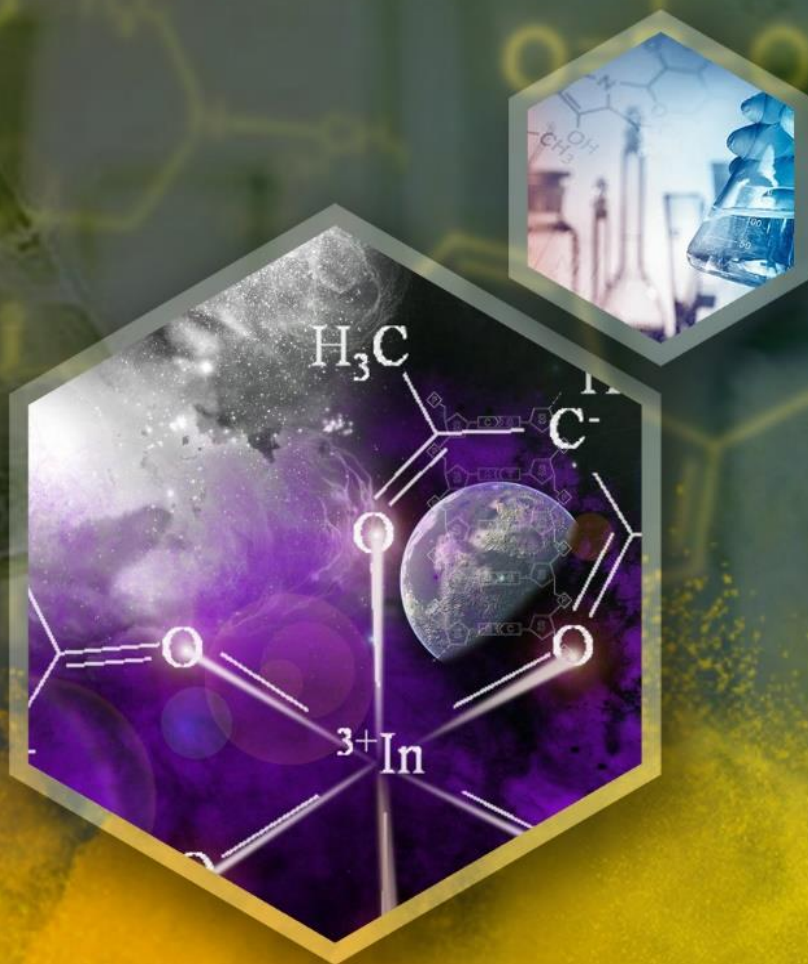




ISSN 2632-9468
VOLUME 4 / NUMBER 1 / 2021

International Journal of Chemical & Material Sciences



Published by :
Scientific & Literature Open Access Publishing
London, UK

IJCMS

International Journal of Chemical & Material Sciences

EDITOR-IN-CHIEF

Andrew May (Prof.)
Royal Veterinary College, London,
United Kingdom

ASSOCIATE EDITORS

Ciaddy G. R. Borges (Ph.D.)
Corporación Eléctrica Nacional,
Venezuela

Miguel C. Fernández (Ph.D.)
Faculty of Electrical of Cujae,
Spain

W. Manuel S. Arauz (Prof. Ph.D.)
Universidad Técnica de Manabí,
Ecuador

Jorge A. R. Salgado (Ph.D.)
Adventist University of Chile,
Chile

Joan M. R. Díaz (Professor Ph.D.)
Universidad Técnica de Manabí,
Ecuador

Chukwuma C. Stephen (Ph.D.)
Delta State Polytechnic Ogwashi-
uku, Nigeria

Amina Omrane (Ph.D.)
Institute of Higher Commercial
Studies of Sfax, Tunisia

Bin Liu (Ph.D.)
University of International Business
and Economics, China

Wimal Hewamanage (Ph.D.)
University of Colombo,
Sri Lanka

Maha Sobhy (Ph.D.)
Cairo University,
Egypt

Olga Klymenko (Ph.D.)
University of Seychelles,
Seychelles

Galiya Sarzhanova (Ph.D.)
Karaganda State University,
Kazakhstan

COPY EDITORS

Dawkins Booker
IJCMS Copyeditor

Lee Harver
IJCMS Copyeditor

INTERNATIONAL ADVISORY BOARD

Behnam Neyestani (Ph.D.)
De La Salle University, Manila,
Philippines

Marely Del R. C. Felipe (Ph.D.)
Universidad Técnica de Manabí,
Ecuador

Lenin A. C. Alava (Professor Ph.D.)
Universidad Técnica de Manabí,
Ecuador

Hakeem Ullah (Ph.D.)
Aga Khan University,
Pakistan

Jayasri Santhappan (Ph.D.)
University of Houston,
USA

Wang Jian (Ph.D.)
University of International Business
and Economics, China

Berezhneva Elena (Ph.D.)
Moscow State University of
International Relations, Russia

Silvia S. Priscila (Dr.)
Mohamed Sathak Arts and Science
College, India

Asaad S. Hameed (Ph.D.)
Universiti Teknikal Malaysia Melaka,
Malaysia

PRODUCTION EDITORS

Colin Spencer
IJCMS Editorial Production, London,
United Kingdom

Emilia Jane
IJCMS Editorial Production, London,
United Kingdom

M A N A G E M E N T C O M M I T T E E

Tamar Shiukashvili (A/Prof.)
Telavi State University,
Georgia

Oscar Frost (Prof.)
Imperial College London,
United Kingdom

Helen Jerry (Prof.)
University of London,
United Kingdom

Tihnov Koldoris (Prof.)
Queen Mary University of London,
United Kingdom

Liu Xiao (Prof.)
Brunel University London,
United Kingdom

Bryony Karen (Prof.)
University of Roehampton,
United Kingdom

Andrew May (Prof.)
Royal Veterinary College,
United Kingdom

Kevin Livingstone (Prof.)
London School of Economics and
Political Science, United Kingdom

Ted F.L. Jing (A/Prof.)
Shanghai International Studies
University, China

Paul Dohler (Prof.)
King's College London,
United Kingdom

Suman Rajest (A/Prof.)
Vels Institute of Science,
India

W E B M A S T E R

Vedran Vucic
PKP Developer,
Belgrade

C O P Y R I G H T A N D C O P Y I N G (I N A N Y F O R M A T)

Articles published in the *International Journal of Chemical & Material Sciences (IJCMS)* are available under *Creative Commons Attribution Non-Commercial No Derivatives Licence (CC BY-NC-ND 4.0)*. Authors retain copyright in their work and grant **IJCMS** 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 **IJCMS** 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.

D I S C L A I M E R

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://sloap.org/journal/index.php/ijcms>

International
Journal of
Chemical &
Material
Sciences

Research Articles

- The fruit of the pine nut (*Jatrophas curcas*) in the production of traditional soap: Recovery of ancestral knowledge** **1**
Telly Yarita Macías Zambrano, Andrea Monserrate García García, Johnny Adrián Briones Tubay
- The monoculture of corn (*zea mayz*) and its impact on fertility soil** **7**
Johana Lizeth Alcívar Mera, Leonela Monserrate Giler Vincés, Doris Marlene Sancán Murillo, Gonzalo Rigoberto Menoscal Chilán
- Analysis of technological indicators and physic-mechanical properties of knit fabric** **13**
Sotvoldiyeva Zarifa Olimjonovna, Kamalova Iroda Ibragimovna
- Formulation of gude bean flour (*Cajanus cajan*), with kratok bean (*Phaseolus lunatus*) and red bean (*Phaseolus vulgaris*) in making of functional snack bar** **20**
Ida Ayu Putu Ary Widnyani, I Gusti Agung Yogi Rabani RS
- Analysis of chemical characteristics and antioxidant activity test of kombucha black tea and butterfly pea flower (*Clitoria ternatea L.*) based on fermentation time** **27**
Putu Rima Sintyadewi, I Gusti Agung Yogi Rabani RS, Nadya Treesna Wulansari

- Antioxidant activity, carbohydrates and protein in sorghum (*Sorghum bicolor* L. Moench) plants as a development of economic functional food materials during the COVID-19 pandemic** 33
*Ni Wayan Sukma Antari, Ida Ayu Manik Damayanti,
Nadya Treesna Wulansari*
- The wells of gas and gas condensate reservoirs in the South-Eastern part of the Bukhara-Khiva region and methods for increasing their productivity** 37
Khayitov Odiljon Gafurovich
- Synthesis and characterization of permanent magnetic oxide system Ba_{1-x-y}La_xCe_yFe₁₂O₁₉ system doped with La-Ce metal using wet mechanical milling method** 43
*I Gusti Agung Putra Adnyana, I Ketut Sukarasa,
Komang Ngurah Suarbawa*



Scientific & Literature Open Access Publishing

Homepage: <https://sloap.org/journal/index.php/ijcms/>