# Table of Contents

**Volume 12 Number 5**

**May 2022**

- **The New Phenomenon—Turbo Autoinjection, a New Type of Liquid Flow Circulation, New Edition**
  
  L. Kanevskyy

- **Preparation of Liquid Soap from Sheep’s Tail Fat**

  Z. Batnasan, P. Natsagdorj, T. Tserendorj

- **Application Model of Energy Management and Emissions Control to Limit Environmental Risks of Fossil Fuel**

  E. M. Gabr

- **Mathematical Statistics and Spatial Aggregation Characteristics Analysis of Culture, Sports, and Tourism Resources in the Yellow River Basin Based on POI Data**

  R. X. Liu, X. F. Shi

- **An Alternative Tool for Determining Flavonoid Compounds in *Markhamia tomentosa* and *Bunchosia glandulifera* Using Digital Image Analysis**


- **Comparison of Deep Learning Architectures for Late Blight and Early Blight Disease Detection on Potatoes**

  S. E. Arnaud, N. Rehema, S. Aoki, M. L. Kananu

- **Analysis of the Degree of Quality of Fish Fillet in Refrigeration**


- **Environmental Monitoring in Northern Aksu, China Based on Remote Sensing Ecological Index Model**

  Y. Zhang, L. J. Zhao, K. Niu, A. Manlike

- **Germination and Survival of Maize and Beans Seeds: Effects of Irrigation with NaCl and Heavy Metals Contaminated Water**

  C. Tsamo, S. M. Alanyuy, E. F. Zama, C. C. Tamu

- **Numerical Study of Thin Film Condensation in Forced Convection on an Inclined Wall Covered with a Porous Material**

  G. Ndiaye, V. Sambou, M. Ndiaye, P. T. Ndiaye
Filter Efficiency with Red Rock as Post-Treatment of Stabilization Pond Effluent, Prototype Case Study San Marcos, Carazo, from April to September 2019
V. R. T. Picado

Cavitation Increases the Ratio of Ortho/Para-H₂O Isomers in Water and Reduces Its Viscosity
S. M. Pershin, I. Bjørnø

Determination of the Drying Kinetics Modeling and Activation Energy of Medium-Grain and Long-Grain Rough Rice under Isothermal Conditions
S. Sadaka, V. Kalyankar

Evaluation of the Validity of Chaos Theory Based on Systems Thinking for Non-Physicists
D.-S. Cha, K.-I. Kim
Open Journal of Applied Sciences (OJAppS)

Journal Information

SUBSCRIPTIONS


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)
E-mail: sub@scirp.org

COPYRIGHT

Copyright and reuse rights for the front matter of the journal:
Copyright © 2022 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 © 2022 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: ojapps@scirp.org
Open Journal of Applied Sciences (OJAppS) is an international peer-reviewed, open-access journal publishing in English original research studies, reviews in diverse areas of applied 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 applied sciences and to keep a record of the state-of-the-art research in related areas.

**Subject Coverage**

The journal publishes original papers including but not limited to the following fields:

- Applied Behavioral Science
- Applied Biology
- Applied Chemistry
- Applied Ecology
- Applied Economics
- Applied Engineering
- Applied Genetics
- Applied Geography
- Applied Linguistics
- Applied Mathematics
- Applied Mechanics
- Applied Philosophy
- Applied Physics
- Applied Physiology
- Applied Psychology
- Applied Sociology
- Artificial Intelligence
- Computing Technology

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.

**Notes for Intending Authors**

Submitted papers should not have been previously published nor be currently under consideration for publication elsewhere. Paper submission will be handled electronically through the website. All papers are refereed through a peer review process. For more details about the submission, please access the website.

**Website and E-Mail**

https://www.scirp.org/journal/ojapps

E-mail: ojapps@scirp.org