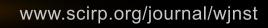


World Journal of Nuclear Science and Technology





Journal Editorial Board

ISSN 2161-6795 (Print) ISSN 2161-6809 (Online) http://www.scirp.org/journal/wjnst

Editor-in-Chief

Prof. Andrzej Grzegorz Chmielewski

Editorial Board

Dr. Abdullah Aydin Prof. Jiejin Cai **Prof. Ahmet Cengiz** Prof. Abdelmajid Choukri Prof. Snežana Dragovic Prof. Hardy Christian Ekberg Prof. Juan-Luis François Prof. Shilun Guo Prof. Shaban Ramadan Mohamed Harb Prof. Xiaolin Hou **Prof. Ning Liu** Prof. Man Gyun Na **Prof. Dragoslav Nikezic** Dr. Rafael Rodríguez Pérez Prof. K. Indira Priyadarsini Prof. Massimo Rogante Prof. Vitalii D. Rusov Dr. Chhanda Samanta Prof. Kune Y. Suh Prof. Wenxi Tian **Dr. Heiko Timmers** Prof. Marco Túllio Menna Barreto de Vilhena Dr. Leopoldo A. Pando Zayas

Institute of Nuclear Chemistry and Technology, Poland

.....

Kirikkale University, Turkey Sun Yat-sen University, China Uluda University, Turkey University of Ibn Tofail, Morocco University of Belgrade, Serbia Chalmers University of Technology, Sweden National Autonomous University of Mexico, Mexico China Institute of Atomic Energy, China South Valley University, Egypt Technical University of Denmark, Denmark Sichuan University, China Chosun University, South Korea University of Kragujevac, Serbia University of Las Palmas de Gran Canaria, Spain Bhabha Atomic Research Centre, India Studio d'Ingegneria Rogante, Italy Odessa National Polytechnic University, Ukraine Virginia Military Institute, USA Seoul National University, South Korea Xi'an Jiaotong University, China The University of New South Wales, Australia Federal University of Rio Grande do Sul, Brazil University of Michigan, USA



Table of Contents

Volume 8 Number 1

January 2018

Technological Perspectives for Propulsion on Nuclear Attack Submarines
R. R. Pacheco, D. A. de Andrade1
A Suggestion Complementing the Magic Numbers Interpretation of the Nuclear Fission Phenomena
F. Menegus11

World Journal of Nuclear Science and Technology (WJNST) Journal Information

SUBSCRIPTIONS

The *World Journal of Nuclear Science and Technology* (Online at Scientific Research Publishing, <u>www.SciRP.org</u>) is published quarterly by Scientific Research Publishing, Inc., USA.

Subscription rates: Print: \$79 per issue. To subscribe, please contact Journals Subscriptions Department, E-mail: <u>sub@scirp.org</u>

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: <u>sub@scirp.org</u>

COPYRIGHT

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

Copyright © 2018 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 © 2018 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: wjnst@scirp.org

Call for Papers



World Journal of Nuclear Science and Technology (WJNST)

ISSN 2161-6795 (Print) ISSN 2161-6809 (Online) http://www.scirp.org/journal/wjnst

World Journal of Nuclear Science and Technology (WJNST) is an international peer-reviewed, open access journal publishing in English original research studies, reviews in all aspects of nuclear science and technology and its applications. Symposia or workshop papers may be published as supplements.

Editor-in-Chief

Prof. Andrzej Grzegorz Chmielewski

Editorial Board

Dr. Abdullah Aydin Prof. Jiejin Cai Prof. Ahmet Cengiz Prof. Abdelmajid Choukri Prof. Snežana Dragovic Prof. Hardy Christian Ekberg Prof. Juan-Luis François Prof. Shilun Guo

Subject Coverage

Prof. Shaban Ramadan Mohamed Harb Prof. Xiaolin Hou Prof. Ning Liu Prof. Man Gyun Na Prof. Dragoslav Nikezic Dr. Rafael Rodríguez Pérez Prof. K. Indira Priyadarsini Prof. Massimo Rogante Prof. Vitalii D. Rusov Dr. Chhanda Samanta Prof. Kune Y. Suh Prof. Wenxi Tian Dr. Heiko Timmers Prof. Marco Túllio Menna Barreto de Vilhena Dr. Leopoldo A. Pando Zayas

This journal invites original research and review papers that address the following issues. Topics of interest include, but are not limited to:

- Fuel Cycle and Isotopes
- Global Nuclear Security Technology
- Nonreactor Nuclear Facilities
- Nuclear and Chemical Waste Management
- Nuclear and Particle Physics
- Nuclear Cardiology
- Nuclear Energy
- Nuclear Engineering and Design
- Nuclear Fusion

- Nuclear Instruments and Methods
- Nuclear Magnetic Resonance Spectroscopy
- Nuclear Materials
- Nuclear Medicine and Biology
- Nuclear Medicine and Molecular Imaging
- Nuclear Physics
- Nuclear Science and Techniques
- Nuclear Structural Engineering

- Nuclear Track Detection
- Nuclear Tracks and Radiation Measurements
- Radiation Applications and Instrumentation
- Radioanalytical and Nuclear Chemistry
- Reactor and Nuclear Systems
- Reactor Science and Technology

We are also interested in short papers (letters) that clearly address a specific problem, and short survey or position papers that sketch the results or problems on a specific topic. Authors of selected short papers would be invited to write a regular paper on the same topic for future issues of the WJNST.

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 submissions, please access the website.

Website and E-mail

http://www.scirp.org/journal/wjnst E-mail: wjnst@scirp.org

What is SCIRP?

Scientific Research Publishing (SCIRP) is one of the largest Open Access journal publishers. It is currently publishing more than 200 open access, online, peer-reviewed journals covering a wide range of academic disciplines. SCIRP serves the worldwide academic communities and contributes to the progress and application of science with its publication.

What is Open Access?

Art and Design Review

Advances in

ldvances in Biological bemistry Entomology

Applied Mathematic

Engineering

All original research papers published by SCIRP are made freely and permanently accessible online immediately upon publication. To be able to provide open access journals, SCIRP defrays operation costs from authors and subscription charges only for its printed version. Open access publishing allows an immediate, worldwide, barrier-free, open access to the full text of research papers, which is in the best interests of the scientific community.

• High visibility for maximum global exposure with open access publishing model

Soft

ĥ h

- Rigorous peer review of research papers
- Prompt faster publication with less cost
- Guaranteed targeted, multidisciplinary audience



Website: http://www.scirp.org Subscription: sub@scirp.org Advertisement: service@scirp.org