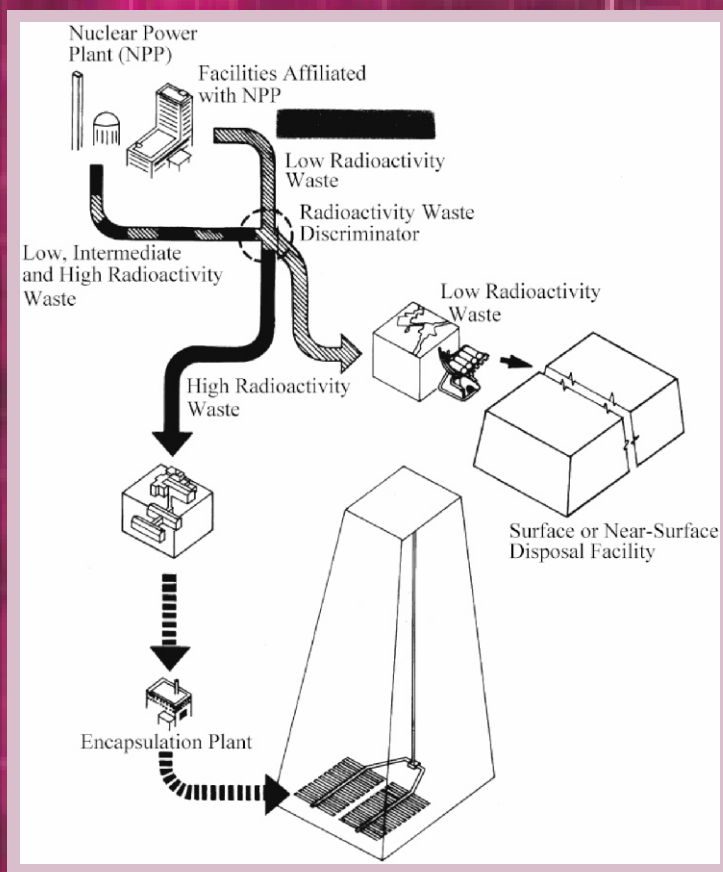


World Journal of Nuclear Science and Technology



ISSN: 2161-6795



Journal Editorial Board

ISSN 2161-6795 (Print) ISSN 2161-6809 (Online)

<http://www.scirp.org/journal/wjnst>

Editorial Board

Dr. Abdullah Aydin	Kirikkale University, Turkey
Dr. Jiejun Cai	Sun Yat-sen University, China
Prof. Ahmet Cengiz	Uluda University, Turkey
Prof. Andrzej Grzegorz Chmielewski	Institute of Nuclear Chemistry, Poland
Prof. Abdelmajid Choukri	University of Ibn Tofail, Morocco
Prof. Snežana Dragovic	University of Belgrade, Serbia
Prof. Hardy Christian Ekberg	Chalmers University of Technology, Sweden
Prof. Juan-Luis François	National Autonomous University of Mexico, Mexico
Prof. Shilun Guo	China Institute of Atomic Energy, China
Prof. Shaban Ramadan Mohamed Harb	South Valley University, Egypt
Prof. Xiaolin Hou	Technical University of Denmark, Denmark
Prof. Ning Liu	Sichuan University, China
Prof. Man Gyun Na	Chosun University, Korea (South)
Prof. Dragoslav Nikezic	University of Kragujevac, Serbia
Dr. Rafael Rodríguez Pérez	University of Las Palmas de Gran Canaria, Spain
Prof. K. Indira Priyadarsini	Bhabha Atomic Research Centre, India
Prof. Vitalii D. Rusov	Odessa National Polytechnic University, Ukraine
Prof. Chhanda Samanta	Saha Institute of Nuclear Physics, India
Dr. Wataru Shu	Japan Atomic Energy Agency, Japan
Prof. Kune Y. Suh	Seoul National University, Korea (South)
Prof. Wenxi Tian	Xi'an Jiaotong University, China
Prof. João dias de Toledo Arruda-Neto	University of São Paulo, Brazil
Prof. Avesh Kumar Tyagi	Homi Bhabha National Institute, India
Prof. Marco Túllio Menna Barreto de Vilhena	Federal University of Rio Grande do Sul, Brazil
Dr. Leopoldo A. Pando Zayas	University of Michigan, USA

TABLE OF CONTENTS

Volume 2 Number 3

July 2012

Determination of Full Energy Peak Efficiency of NaI(Tl) Detector Depending on Efficiency Transfer Principle for Conversion Form Experimental Values

M. Abd-Elzaher, M. S. Badawi, A. El-Khatib, A. A. Thabet.....65

An Approach for Using of Poly Glycolic Acid (PGA) in Reference Standard Dosimetry: PGA/ESR Dosimetry System Response Curve and Post Irradiation Stability

A. Mejri, H. Jelassi, K. Farah, A. H. Hamzaoui, H. Eleuch.....73

Gamma Radiation Measurements in Tunisian Marbles

K. Manai, C. Ferchichi, M. Oueslati, A. Trabelsi.....80

Gearbox Scheme in High Temperature Reactor Helium Gas Turbine System

S. Liu, X. Y. Sheng.....85

High-Level Nuclear Wastes and the Environment: Analyses of Challenges and Engineering Strategies

M. A. Rana.....89

Effects of Food Diet Preparation Techniques on Radionuclide Intake and Its Implications for Individual Ingestion Effective Dose in Abeokuta, Southwestern Nigeria

N. N. Jibiri, T. H. Abiodun.....106

Discussion on IAEA and China Safety Regulation for NPP Coastal Defense Infrastructures against Typhoon/Hurricane Attacks

G. L. Liu, D. F. Liu, H. J. Li, F. Q. Wang, T. Zou.....114

The figure on the front cover is from the article published in World Journal of Nuclear Science and Technology, 2012, Vol. 2, No. 3, pp. 89-105 by Mukhtar Ahmed Rana.

World Journal of Nuclear Science and Technology (WJNST)

Journal Information

SUBSCRIPTIONS

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

Subscription rates:

Print: \$39 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©2012 Scientific Research Publishing, Inc.

All Rights Reserved. No part of this publication may be reproduced, stored in a retrieval system, or transmitted, in any form or by any means, electronic, mechanical, photocopying, recording, scanning or otherwise, except as described below, without the permission in writing of the Publisher.

Copying of articles is not permitted except for personal and internal use, to the extent permitted by national copyright law, or under the terms of a license issued by the national Reproduction Rights Organization.

Requests for permission for other kinds of copying, such as copying for general distribution, for advertising or promotional purposes, for creating new collective works or for resale, and other enquiries should be addressed to the Publisher.

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



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.

Editorial Board

Dr. Abdullah Aydin

Dr. Jiejun Cai

Prof. Ahmet Cengiz

Prof. Andrzej Grzegorz Chmielewski

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. Vitalii D. Rusov

Prof. Chhanda Samanta

Dr. Wataru Shu

Prof. Kune Y. Suh

Prof. Wenxi Tian

Prof. João dias de Toledo Arruda-Neto

Prof. Avesh Kumar Tyagi

Prof. Marco Túllio Menna Barreto de Vilhena

Dr. Leopoldo A. Pando Zayas

Subject Coverage

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 Molecular Imaging
- Nuclear Medicine and Biology
- Nuclear Physics
- Nuclear Structural Engineering
- Nuclear Science and Techniques
- Nuclear Track Detection
- Nuclear Tracks and Radiation Measurements
- Radiation Applications and Instrumentation
- Radioanalytical and Nuclear Chemistry
- Reactor and Nuclear Systems
- Reactor Science and Technology
- Solid State Nuclear Magnetic Resonance

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