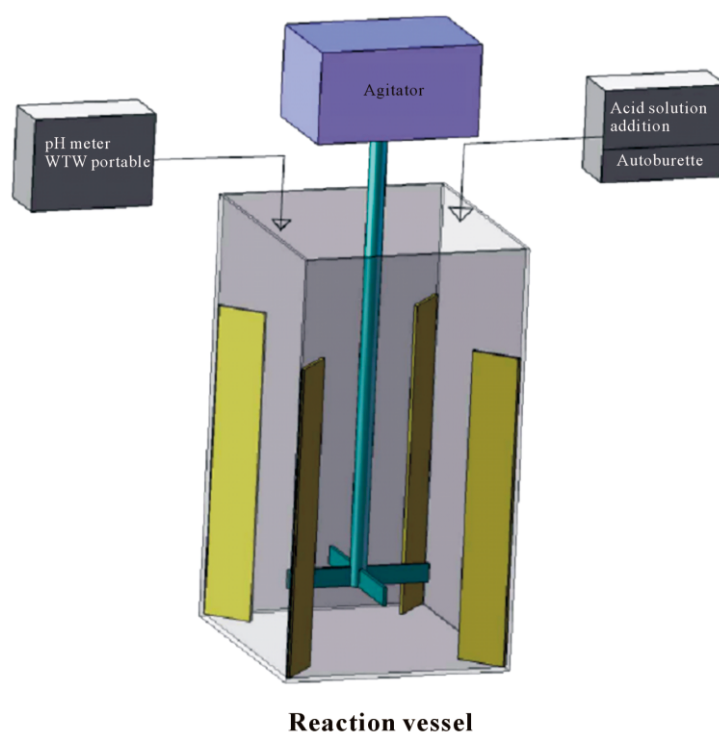




International Journal of Nonferrous Metallurgy



ISSN: 2168-2054



Journal Editorial Board

ISSN Print: 2168-2054

ISSN Online: 2168-2062

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

Editor in Chief

Dr. B. D. Pandey

CSIR-National Metallurgical Laboratory, India

Managing Executive Editor

Dr. Abhilash

CSIR-National Metallurgical Laboratory, India

Editorial Board

Dr. Ali Ahmadi

Isfahan University of Technology, Iran

Prof. Ata Akcil

Suleyman Demirel University, Turkey

Prof. Shailesh Ramkrishna Dave

Gujarat University, India

Dr. Yasser El-Nadi

Jazan University, Egypt

Dr. Yuri Gurevich

International Scientific Centre for Organism Extreme State Research, Russia

Prof. Claudia Irina Koncsag

Ovidius University of Constanta, Romania

Prof. T. R. Mankhand

Banaras Hindu University, India

Dr. Jezierski Jan Roman

Silesian University of Technology, Poland

Dr. Sushanta Kumar Sahu

CSIR-National Metallurgical Laboratory, India

Prof. Ake Sandstrom

Luleå University of Technology, Sweden

Dr. T. Sreenivas

Bhabha Atomic Research Center, India

Dr. Lala Behari Sukla

CSIR-Institute of Minerals and Materials Technology, India

Dr. Libin Tong

University of British Columbia, Canada

Dr. Mauricio Leonardo Torem

Pontificia Universidade, Brazil

Prof. Jinshu Wang

Beijing University of Technology, China

Dr. Baojun Zhao

The University of Queensland, Australia

TABLE OF CONTENTS

Volume 2 Number 2

April 2013

Extractive Metallurgy and National Policy

F. Habashi.....31

Effect of Stacking Fault Energy on the Mechanism of Texture Formation during Alternating Bending of FCC Metals and Alloys

N. Shkatulyak.....35

Ball Milling and Annealing of Co-50 at% W Powders

A. S. Bolokang, M. J. Phasha, D. E. Motaung.....41

Alumina/Iron Oxide Nano Composite for Cadmium Ions Removal from Aqueous Solutions

M. M. A. El-Latif, A. M. Ibrahim, M. S. Showman, R. R. A. Hamide.....47

Factors Research on the Influence of Leaching Rate of Nickel and Cobalt from Waste Superalloys with Sulfuric Acid

X. X. Fan, W. D. Xing, H. G. Dong, J. C. Zhao, Y. D. Wu, B. J. Li, W. F. Tong, X. F. Wu.....63

Developing a Thermodynamical Method for Prediction of Activity Coefficient of TBP Dissolved in Kerosene

E. K. Alamdari, S. K. Sadrnezhad.....68

Solvent Extraction of Lanthanum Ion from Chloride Medium by Di-(2-ethylhexyl) Phosphoric Acid with a Complexing Method

S. H. Yin, W. Y. Wu, X. Bian, Y. Luo, F. Y. Zhang.....75

Extraction Kinetics of Ni(II) in the Ni^{2+} - SO_4^{2-} - Ac^- (Na^+ , H^+)-Cyanex 272 (H_2A_2)-Kerosene-3% (v/v) Octan-1-ol System Using Single Drop Technique

R. K. Biswas, A. K. Karmakar, M. S. Rahman.....80

Sono-Photo Fenton Treatment of Liquid Waste Containing Ethylenediaminetetraacetic Acid (EDTA)

S. Chitra, K. Paramasivan, P. K. Sinha.....89

International Journal of Nonferrous Metallurgy (IJNM)

Journal Information

SUBSCRIPTIONS

The *International Journal of Nonferrous Metallurgy* (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©2013 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: ijnm@scirp.org



Call for Papers

International Journal of Nonferrous Metallurgy

ISSN Print: 2168-2054 ISSN Online: 2168-2062

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

International Journal of Nonferrous Metallurgy (IJNM) is a peer-reviewed, open access journal published quarterly. The goal of this journal is to provide a platform for doctors and academicians all over the world to promote, share, and discuss various new issues and developments in all aspects of Nonferrous Metallurgy research.

Editor in Chief

Dr. B. D. Pandey

CSIR-National Metallurgical Laboratory, India

Subject Coverage

All manuscripts must be prepared in English, and are subject to a rigorous peer-review process. Accepted papers will immediately appear online followed by printed in hard copy. The areas covered by International Journal of Nonferrous Metallurgy (IJNM) include but are not limited to the following fields:

- Biobeneficiation
- Bioleaching
- Effluent Treatment
- Energy Reduction in Metal Producing Industries
- Environmental Issues for Sustainable Extraction
- Hydrometallurgy
- Industrial Impact of Lab Scale Research
- Innovative Processes in Metal Extraction
- Material Synthesis for Value Added Products from Wastes etc
- Plant Operations
- Pressure Leaching
- Pretreatment of Ores/Minerals
- Process Metallurgy
- Process Modelling and Control
- Pyrometallurgy for Non-Ferrous Metal Extraction
- Rare Earth and Precious Metal Extraction
- Recycling of Nonferrous Metals and Laden Wastes
- Removal of Impurities and Recovery of Metal Values
- Solvent Extraction/ Ion Exchange/ Electrodialysis and Purification
- Waste Remediation/Beneficiation/Waste Treatment-Disposal

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 submissions, please access the website.

Website and E-Mail

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

E-mail: ijnm@scirp.org