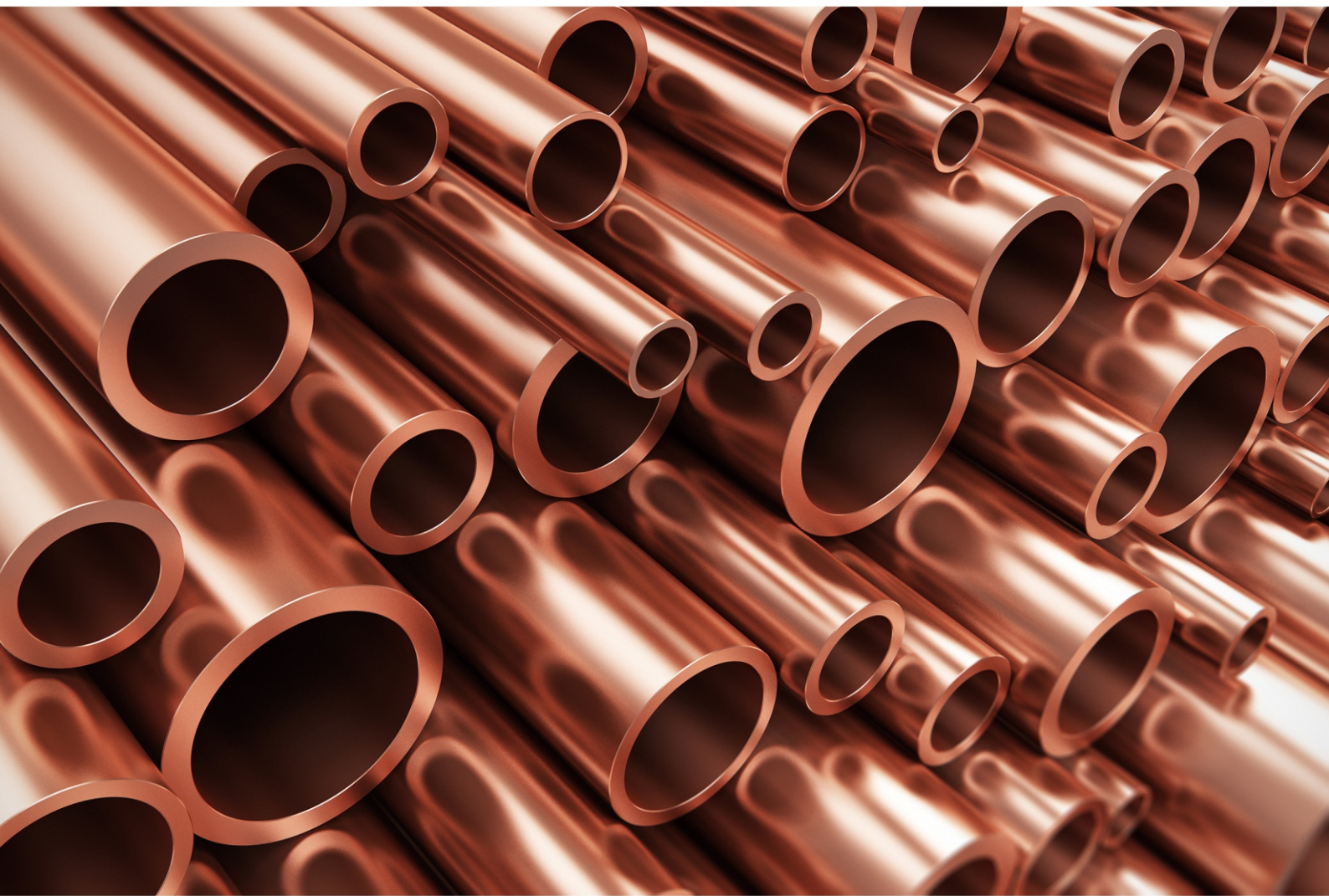


ISSN: 2168-2054 Volume 6, Number 1, January 2017



# International Journal of Nonferrous Metallurgy



ISSN: 2168-2054



9 772168 205009 01

[www.scirp.org/journal/ijnm](http://www.scirp.org/journal/ijnm)

# Journal Editorial Board

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

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

---

## Editor-in-Chief

**Prof. Francesco Veglio**

University of L'aquila, Italy

## Editorial Board

**Prof. Ali Ahmadi**

Isfahan University of Technology, Iran

**Prof. Shailesh Ramkrishna Dave**

Gujarat University, India

**Prof. Yasser El-Nadi**

Atomic Energy Authority, Egypt

**Prof. Claudia Irina Koncsag**

Ovidius University of Constanta, Romania

**Prof. Arbi Mgaidi**

University of Taibah, Tunisia

**Prof. Sushanta Kumar Sahu**

CSIR-National Metallurgical Laboratory, India

**Prof. Ake Sandstrom**

Luleå University of Technology, Sweden

**Prof. Lala Behari Sukla**

CSIR-Institute of Minerals and Materials Technology, India

**Prof. Libin Tong**

University of British Columbia, Canada

**Prof. Mauricio Leonardo Torem**

Pontificia Universidade, Brazil

**Prof. Jinshu Wang**

Beijing University of Technology, China

# Table of Contents

**Volume 6    Number 1**

**January 2017**

**Transient Thermal Modeling in Laser Welding of Metallic/Nonmetallic Joints Using  
*SolidWorks*® Software**

F. M. Mwema.....1

# International Journal of Nonferrous Metallurgy (IJNM)

## Journal Information

### SUBSCRIPTIONS

The *International Journal of Nonferrous Metallurgy* (Online at Scientific Research Publishing, [www.SciRP.org](http://www.SciRP.org)) is published quarterly by Scientific Research Publishing, Inc., USA.

#### Subscription rates:

Print: \$59 per issue.

To subscribe, please contact Journals Subscriptions Department, E-mail: [sub@scirp.org](mailto:sub@scirp.org)

### SERVICES

#### Advertisements

Advertisement Sales Department, E-mail: [service@scirp.org](mailto:service@scirp.org)

#### Reprints (minimum quantity 100 copies)

Reprints Co-ordinator, Scientific Research Publishing, Inc., USA.

E-mail: [sub@scirp.org](mailto:sub@scirp.org)

### COPYRIGHT

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

Copyright © 2017 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 © 2017 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

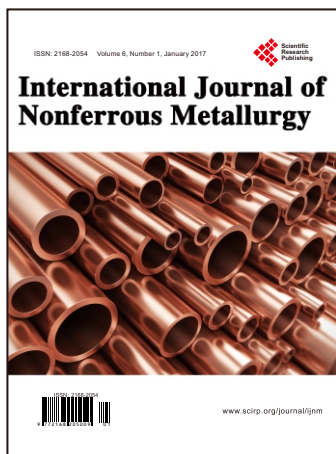
Statements and opinions expressed in the articles and communications are those of the individual contributors and not the statements and opinion of Scientific Research Publishing, Inc. We assume no responsibility or liability for any damage or injury to persons or property arising out of the use of any 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: [ijnm@scirp.org](mailto: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

Prof. Francesco Veglio

University of L'aquila, Italy

## 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](mailto:ijnm@scirp.org)