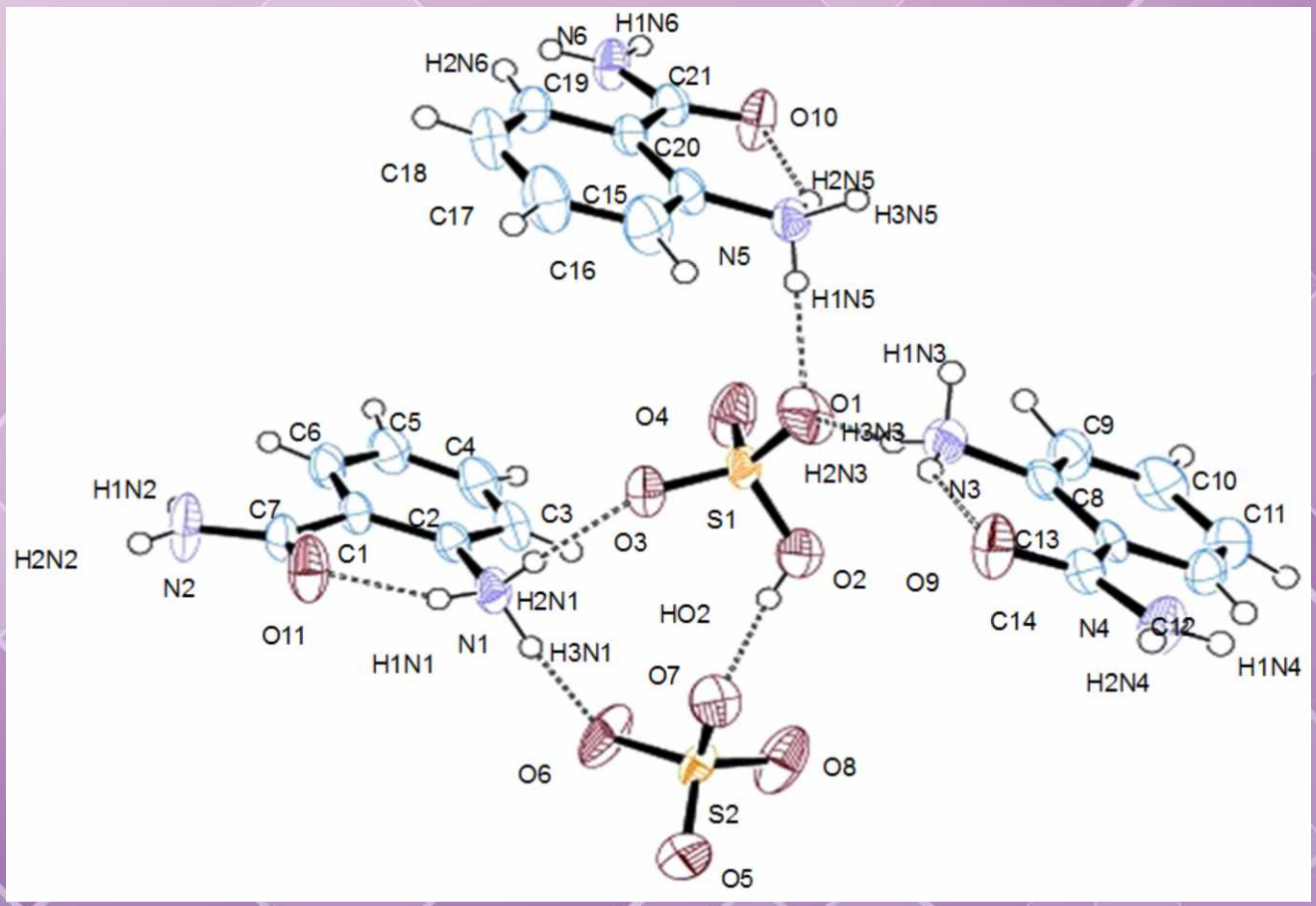
ISSN: 2161-7406 Vol. 5, No. 4, October 2015

Scientific Research Publishing

Open Journal of Inorganic Chemistry



ISSN: 2161-7406

www.scirp.org/journal/ojic

Journal Editorial Board

ISSN 2161-7406 (Print) ISSN 2161-7414 (Online)
http://www.scirp.org/journal/ojic

Editor-in-Chief

Prof. Rajni Kant University of Jammu, India

Editorial Board

Prof. Ahmed Soliman Abdellah Cairo University, Egypt
Prof. Abdullatif Abuhijleh Birzeit University, Palestine
Prof. Taghreed Hashim Al-Noor University of Baghdad, Iraq
Prof. Valerian Dragutan Romanian Academy of Sciences, Romania
Prof. Per-Olov Käll Linköping University, Sweden
Prof. Boris I. Kharisov University of Nuevo León, Mexico
Prof. Günther Knör Johannes Kepler Universität Linz, Austria
Prof. Gabriel Ayowole Kolawole University of Zululand, South Africa
Prof. Bogdan Marciniec Adam Mickiewicz University, Poland
Prof. David Morales-Morales Universidad Nacional Autónoma de México (IQ-UNAM), Mexico
Prof. Sahar I. H. Mostafa Mansoura University, Egypt
Prof. Takeo Oku University of Shiga Prefecture, Japan
Prof. Alvaro J. Pardey Universidad Central de Venezuela, Venezuela
Prof. Mohanbhai N. Patel Sardar Patel University, India
Prof. Abdus Subhan Shah Jalal University of Science and Technology, Bangladesh
Prof. Hamit Yurtseven Middle East Technical University, Turkey

Open Journal of Inorganic Chemistry, 2015, 5, 75-130
Published Online October 2015 in SciRes. http://www.scirp.org/journal/ojic

Table of Contents

Volume 5 Number 4 October 2015

Kinetics and Stoichiometry of the Reduction of Hydrogen Peroxide by an Aminocarboxylactocobaltate(II) Complex in Aqueous Medium

A. D. Onu, J. F. Iyun, O. S. Idris.....75

Synthesis and Characterization of Schiff Base Metal Complexes Derived from Cefotaxime with 1*H*-indole-2,3-dione (Isatin) and 4-N,N-dimethyl-aminobenzaldehyde

A. J. Abdulghani, R. K. Hussain.....83

Synthesis, Characterization and Antibacterial Activity of Mixed Ligand (HL) Complexes Mn(II), Co(II), Ni(II), Zn(II), Cd(II) and Hg(II) with Azide (N_3^-)

J. S. Sultan, S. M. Lateaf, D. K. Rashid.....102

Crystal Structure and Physicochemical Properties of a New Tris (2-Amoniumbenzamide) Sulfate $(C_7H_9N_2O)_3HSO_4SO_4$

S. Belghith, S. Chmengui, L. B. Hamada.....112

Synthesis, Crystal Structure and Characterization of a New Dihydrogenomonophosphate: $(C_7H_9N_2O)H_2PO_4$

S. Belghith, Y. Bahrouni, L. B. Hamada.....122

The figure on the front cover is from the article published in Open Journal of Inorganic Chemistry, 2015, Vol. 5, No. 4, pp. 112-121 by Saloua Belghith, Sondes Chmengui and Latifa Ben Hamada.

Open Journal of Inorganic Chemistry (OJIC)

Journal Information

SUBSCRIPTIONS

The *Open Journal of Inorganic Chemistry* (Online at Scientific Research Publishing, www.SciRP.org) is published quarterly by Scientific Research Publishing, Inc., USA.

Subscription rates:

Print: $69 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 AND REUSE RIGHTS FOR THE FRONT MATTER OF THE JOURNAL:

Copyright © 2015 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 © 2015 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: ojic@scirp.org



Call for Papers

Open Journal of Inorganic Chemistry (OJIC)

ISSN 2161-7406 (Print) ISSN 2161-7414 (Online)
http://www.scirp.org/journal/ojic

Open Journal of Inorganic Chemistry **(OJIC)** is an international journal dedicated to the latest advancement of inorganic chemistry. 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 different areas of inorganic chemistry. All manuscripts must be prepared in English, and are subject to a rigorous and fair peer-review process. Accepted papers will immediately appear online followed by printed hard copy.

Subject Coverage

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

- Bioinorganic Compounds
- Characterization of Inorganic Compounds
- Cluster Compounds
- Coordination Compounds
- Descriptive Inorganic Chemistry
- Industrial Inorganic Chemistry
- Inorganic and Nuclear Chemistry
- Inorganic Biochemistry
- Inorganic Materials
- Kinetics of Complex Formation
- Kinetics of Hydrolysis of Complex Compounds
- Main Group Compounds
- Main Group Elements and Lanthanides
- Mechanistic Inorganic Chemistry
- Molecular Symmetry Group Theory
- Organometallic Compounds
- Qualitative Theories
- Solid State Compounds
- Solution Inorganic Chemistry
- Synthetic Inorganic Chemistry
- Theoretical Inorganic Chemistry
- Thermal Stability of Complex Compounds
- Thermodynamics and Inorganic Chemistry
- Transition Metal Complexes
- Transition Metal Compounds

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/ojic **E-mail: ojic@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?

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



Scientific Research Publishing

Website: http://www.scirp.org

Subscription: sub@scirp.org

Advertisement: service@scirp.org