

ISSN: 2150-4091 Volume 6, Number 14, September 2014



Scientific
Research

Natural Science



ISSN: 2150-4091



Editor-in-Chief
Kuo-Chen Chou
www.scirp.org/journal/ns

Journal Editorial Board

ISSN: 2150-4091 (Print) ISSN: 2150-4105 (Online)

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

Editor-in-Chief

Prof. Kuo-Chen Chou

Gordon Life Science Institute, USA

Editorial Advisory Board

Dr. James J. Chou

Harvard Medical School, USA

Prof. Reba Goodman

Columbia University Health Sciences, USA

Dr. Robert L. Heinrikson

Proteos, Inc., USA

Prof. Robert H. Kretsinger

University of Virginia, USA

Editorial Board

Prof. Tarek Aboul-Fadl

Assiut University, Egypt

Dr. Fridoon Jawad Ahmad

King Edward Medical University, Pakistan

Prof. Hakan Arslan

Mersin University, Turkey

Prof. Khalil El-Hami

Kyoto University, Japan

Dr. Marina Frontasyeva

Joint Institute for Nuclear Research, Russia

Dr. Tai-Yin Huang

Pennsylvania State University-Lehigh Valley, USA

Prof. Syed Kamrul Islam

University of Tennessee, USA

Dr. Peng Li

University of California, Irvine, USA

Prof. Giulio Lorenzini

University of Parma, Italy

Prof. Mark Lee Morrissey

University of Oklahoma, USA

Dr. Sunil Nautiyal

Centre for Ecological Economics and Natural Resources, India

Dr. Edward Lee Nelson

University of California, Irvine, USA

Prof. Dimitrios P. Nikolelis

University of Athens, Greece

Dr. Dongfeng Pan

University of Virginia, USA

Dr. Judit M. Pap

Catholic University of America, USA

Prof. Caesar Saloma

University of the Philippines Diliman, Philippines

Dr. Victor B. Semikoz

Russian Academy of Sciences, Russia

Dr. Mohammad Reza Shadnam

KPMG LLP, Canada

Prof. Kenji Sorimachi

Dokkyo Medical University, Japan

Dr. Marco Taddia

University of Bologna, Italy

Dr. Chao-Fu Wang

National University of Singapore, Singapore

Dr. Xin Wang

Nanjing Institute of Geology and Palaeontology, China

Dr. Sharif H. Zein

University of Hull, UK

Dr. Li-Ru Zhao

SUNY Upstate Medical University, USA

Dr. Weizhu Zhong

Pfizer Global Research and Development, USA

Guest Reviewers (According to Alphabet)

Salvador Alfaro

Takayuki Ban

Blanca Bernal

Jason Blum

Maria Teresa Esposito

Pushan Kumar Dutta

Fang Fang

Marina Frontasyeva

Yu Gao

Tomski Grigori

Raja Rizwan Hussain

Yan Jiang

Toshiyuki Kimura

Ying Lai

Shuang Li

Dazhi Liu

Lin Liu

Zhiyong Liu

Rafael Luque

Piotr Macech

Lev A. Maslov

Ho Soon Min

Daniela Morelli

Fan Peng

Mohd. Yusri bin Abd. Rahman

Brijesh Rathi

Toshifumi Satoh

Ruediger Schweiss

Sumin Tang

Jo-Ming Tseng

Shahida Waheed

John R. Williams

Jamshed Hussain Zaidi

Yongyuan Zang

Nenghui Zhang

Hongzhi Zhong

Junwu Zhu

Table of Contents

Volume 6 Number 14

September 2014

**Comparative Study of Salinity Tolerance an Oceanic Sea Skater, *Halobates micans*
and Its Closely Related Fresh Water Species, *Metrocoris histrio***

T. Sekimoto, Y. Osumi, T. Shiraki, A. Kobayashi, K. Emi, M. Nakajo, M. Moku,
V. Kostal, C. Katagiri, T. Harada.....1141

Spatial Meaning of Quantum Mechanics

Y. G. Feng.....1149

**Sea Surface Temperature Anomaly and Precipitation Distribution in the Alagoas
State of the Brazilian Northeast**

I. Kulikova, N. Fedorova, V. Levit, E. S. Cordeiro.....1159

North Pacific Month to Month SST Changes

K. E. Kenyon.....1179

**A New Method of the Production of the THZ Electromagnetic Wave and Electromagnetic
Paticle's Flows and Other Application**

Y. Yin, L. Fei, Y. Q. Zhu, C. Jeff, S. Huang, S. Xia.....1186

Natural Science (NS)

Journal Information

SUBSCRIPTIONS

The *Natural Science* (Online at Scientific Research Publishing, www.SciRP.org) is published monthly by Scientific Research Publishing, Inc., USA.

Subscription rates:

Print: \$89 per copy.

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 © 2014 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 © 2014 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: ns@scirp.org

Call for Papers

Natural Science

A Journal Published by Scientific Research Publishing, USA
www.scirp.org/journal/ns

Editor-in-Chief

Prof. Kuo-Chen Chou

Gordon Life Science Institute, USA

Editorial Advisory Board

Dr. James J. Chou
Prof. Reba Goodman

Dr. Robert L. Henrikson
Prof. Robert H. Kretsinger

Editorial Board

Prof. Tarek Aboul-Fadl
Dr. Fridoon Jawad Ahmad
Prof. Hakan Arslan
Prof. Khalil El-Hami
Dr. Marina Frontasyeva
Dr. Tai-Yin Huang
Prof. Syed Kamrul Islam
Dr. Peng Li
Prof. Giulio Lorenzini
Prof. Mark Lee Morrissey

Dr. Sunil Nautiyal
Dr. Edward Lee Nelson
Prof. Dimitrios P. Nikolelis
Dr. Dongfeng Pan
Dr. Judit M. Pap
Prof. Caesar Saloma
Dr. Victor B. Semikoz
Dr. Mohammad Reza Shadnam
Prof. Kenji Sorimachi
Dr. Marco Taddia

Dr. Chao-Fu Wang
Dr. Xin Wang
Dr. Sharif H. Zein
Dr. Li-Ru Zhao
Dr. Weizhu Zhong



Natural Science is an international journal dedicated to the latest advancement of natural sciences. 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 natural sciences. 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. The journal publishes original papers including but not limited to the following fields:

- **Astronomy & Space Sciences**
 - ◆ Astronomy
 - ◆ Astrophysics
 - ◆ Atmospheric Science
 - ◆ Space Physics
- **Earth Science**
 - ◆ Geography
 - ◆ Geology
 - ◆ Geophysics/Geochemistry
 - ◆ Oceanography
- **Chemistry**
 - ◆ Analytical Chemistry
 - ◆ Biochemistry
 - ◆ Computational Chemistry
 - ◆ Inorganic Chemistry
 - ◆ Organic Chemistry
 - ◆ Physical Chemistry
- **Life Science**
 - ◆ Cell Biology
 - ◆ Computational Biology
- **Genetics**
 - ◆ Immunology
 - ◆ Medicine/Diseases
 - ◆ Microbiology
 - ◆ Molecular Biology
 - ◆ Neuroscience
 - ◆ Pharmacology/Toxicology
 - ◆ Physiology
 - ◆ Psychology
 - ◆ Virology
- **Physics**
 - ◆ Applied Physics
 - ◆ Atomic, Molecular, and Optical Physics
 - ◆ Biophysics
 - ◆ High Energy/Particle Physics
 - ◆ Material Science
 - ◆ Plasma Physics
- **Others**
 - ◆ Education
 - ◆ History of Science
 - ◆ Science and Innovations

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 be previously published nor be currently under consideration for publication elsewhere. Paper submission will be handled electronically through the website. For more details, please access the website.

📌 Website and E-Mail

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

E-mail: ns@scirp.org