Journal Editorial Board

ISSN 2160-0414 (Print)  ISSN 2160-0422 (Online)
http://www.scirp.org/journal/acs

Editor-in-Chief

Prof. Shaocai Yu  
North Carolina State University, USA

Editorial Board

Dr. Jørgen Brandt  
University of Aarhus, Denmark
Prof. Chak K. Chan  
City University of Hong Kong, China
Prof. Yoon-Seok Chang  
Pohang University of Science and Technology, South Korea
Dr. Ke Du  
University of Calgary, Canada
Dr. Jiwen Fan  
Pacific Northwest National Laboratory, USA
Dr. Guobin Fu  
CSIRO Land and Water, Australia
Dr. Paolo Di Girolamo  
Università degli Studi della Basilicata, Italy
Dr. Yanqing Lian  
University of Illinois at Urbana-Champaign, USA
Prof. Ioannis Liritzis  
University of the Aegean, Greece
Prof. Junboum Park  
Seoul National University, South Korea
Dr. Alessandro Pezzoli  
Turin Polytechnic, Italy
Prof. Daniel Tong  
US NOAA Air Resources Laboratory, USA
Prof. Ying I. Tsai  
Chia Nan University of Pharmacy and Science, China
Prof. Julian Wang  
US NOAA Air Resources Laboratory, USA
Prof. Tijian Wang  
Nanjing University, China
Dr. Jianjun Xu  
George Mason University, USA
Prof. Fangqun Yu  
State University of New York at Albany, USA
Prof. Qiang Zhang  
Sun Yat-sen University, China
# Table of Contents

**Volume 7    Number 2    April 2017**

**Detecting Changes in Hydro-Climatic Variables during the Last Four Decades (1975-2014) on Downstream Kaduna River Catchment, Nigeria**  
G. C. Okafor, O. D. Jimoh, K. I. Larbi........................................161

**Analysis of Rain Variability Using the Daily and Monthly Concentration Indexes in Southeastern Brazil**  
J. T. Nery, A. C. Carfan, J. Martin-Vide........................................176

**A New Approach Method of CH₄ Emission Estimation from Landfills Municipal Solid Waste (MSW)**  
D. Vieru.................................................................191

**Interannual Variation of the Onset of Yunnan’s Rainy Season and Its Relationships with the Arctic Oscillation of the Preceding Winter**  

**Conditions Supporting Funnel Cloud Development in Alaska**  
S. G. Edwin, N. Mölders, K. Friedrich, S. Schmidt, R. Thoman...............223
Atmospheric and Climate Sciences (ACS)
Journal Information

SUBSCRIPTIONS


Subscription rates:
Print: $79 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)
E-mail: 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: acs@scirp.org
Call for Papers

Atmospheric and Climate Sciences (ACS)

ISSN 2160-0414 (Print)  ISSN 2160-0422 (Online)
http://www.scirp.org/journal/acs

Editor-in-Chief
Prof. Shaoai Yu
North Carolina State University, USA

Subject Coverage
This journal invites original research and review papers that address the following issues. Topics of interest include, but are not limited to:

ACS aims to rapidly publish original scientific papers in all the fields of applied and/or climate atmospheric science. It covers the latest achievements and developments in the applied climate and atmospheric sciences, including but not limited to the following scopes as well as the theoretical and practical aspects of these disciplines:

- Agricultural climatology
- Air chemistry and the boundary layer, clouds and weather modification
- Air quality, atmosphere & health
- Applied meteorology
- Atmospheric acoustics, electricity, optics, physics, radiation and sounding
- Atmospheric and oceanic physics
- Atmospheric and solar-terrestrial physics
- Atmospheric chemistry
- Atmospheric environment
- Aviation climatology
- Biometeorology
- Building climatology and forestry climatology
- Climate change and broadcast meteorology
- Climate dynamics and variability
- Climate policy
- Clouds and precipitation physics
- Cosmical meteorology
- Dendroclimatology
- Dynamics of atmospheres and ocean
- Hydrology, oceans and atmosphere
- Hydrometeorology
- Marine meteorology and meteorology-associated geophysics
- Medical meteorology and medical climatology
- Meteorological, climatological and atmospheric environmental issues
- Navigation climatology
- Phenology and paleoclimatology
- Polar meteorology
- Radar meteorology and radio meteorology
- Remote sensing
- Satellite meteorology and synoptic meteorology
- Theoretical and applied climatology
- Tropical meteorology
- Weather systems, numerical weather prediction

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 ACS.

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/acs  E-mail: acs@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

Website: http://www.scirp.org
Subscription: sub@scirp.org
Advertisement: service@scirp.org