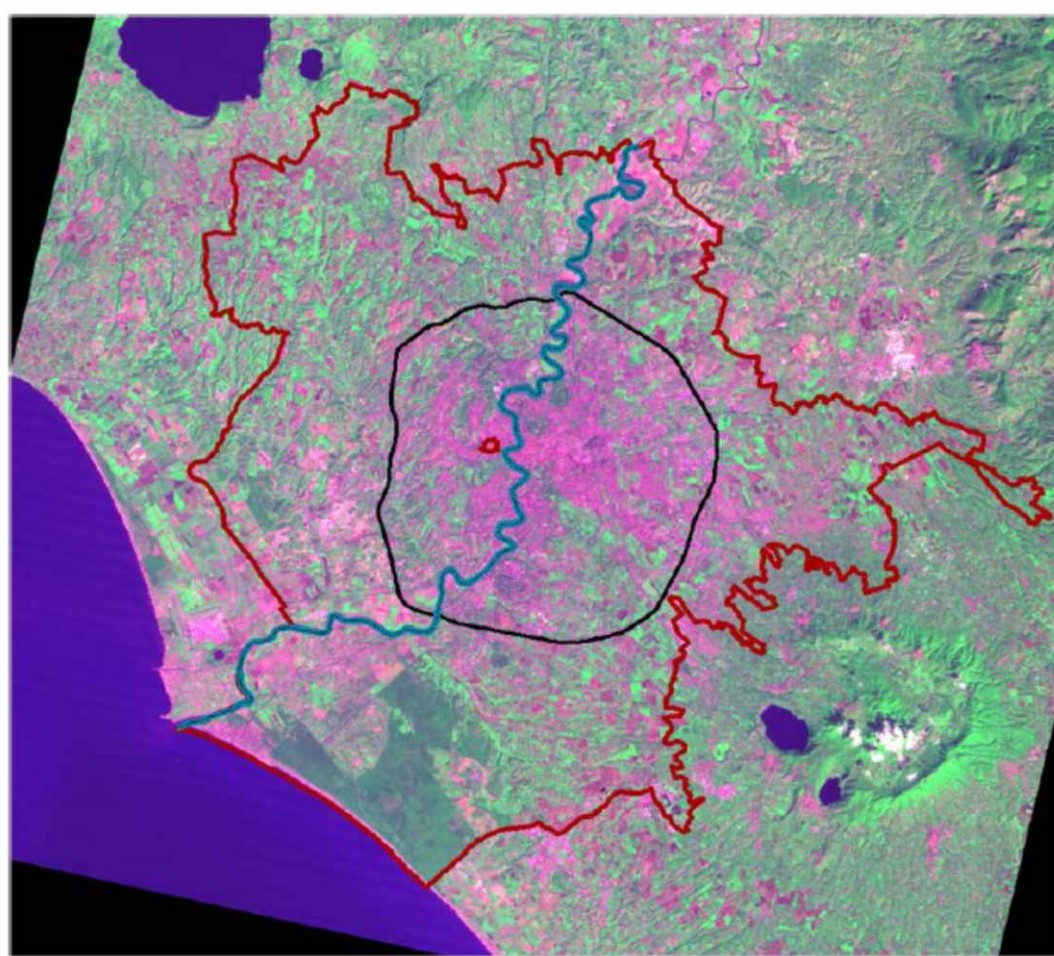


ISSN: 2169-267X Vol. 4, No. 1, March 2015

Advances in Remote Sensing



www.scirp.org/journal/ars

Journal Editorial Board

ISSN Print: 2169-267X

ISSN Online: 2169-2688

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

Editor-in-Chief

Prof. Gunter Menz

University of Bonn, Germany

Editorial Board

Dr. Amr Abd-Elrahman

University of Florida, USA

Dr. Bruno Andò

The University of Catania, Italy

Dr. Raghavendra Angara

University of Maryland, USA

Dr. Ram Avtar

Japan Agency for Marine-Earth Science and Technology, Japan

Dr. Yong Bian

Canada Centre for Remote Sensing, Canada

Dr. Padmanava Dash

Jackson State University, USA

Dr. Arjan Duresi

Indiana University-Purdue University Indianapolis, USA

Dr. Jeffrey J. Evans

Purdue University, USA

Prof. Kamaruzaman Jusoff

Universiti Putra Malaysia, Malaysia

Dr. Hyongki Lee

University of Houston, USA

Dr. Sandeep Negi

University of Utah, USA

Dr. Wenge Ni-Meister

The City University of New York-Hunter College, USA

Dr. Thomas Oommen

Michigan Technological University, USA

Dr. Mui-How Phua

Universiti Malaysia Sabah, Malaysia

Dr. Sergey V. Samsonov

Canada Centre for Remote Sensing, Canada

Dr. Preetha Thulasiraman

Naval Postgraduate School, USA

Dr. Tuong Thuy Vu

University of Nottingham, Malaysia

Dr. Zhuosen Wang

University of Massachusetts Boston, USA

Dr. Byungyun Yang

University of South Florida, USA

Dr. Chuanrong Zhang

University of Connecticut, USA

Table of Contents

Volume 4 Number 1

March 2015

Feature Analysis and Classification of Particle Data from Two-Dimensional Video Disdrometer

S. Gavrilov, M. Kubo, V. A. Tran, D. L. Ngo, N. G. Nguyen, L. A. T. Nguyen,
F. R. Lumbanraja, D. Phan, K. Satou.....1

Interrelationship Analysis of L-Band Backscattering Intensity and Soil Dielectric Constant for Soil Moisture Retrieval Using PALSAR Data

S. Gharechelou, R. Tateishi, J. T. S. Sumantyo.....15

Relationship between Turbid Water and Coral Damage Distribution Using ALOS AVNIR-2 Images and Diving Survey Data Immediately after the Heavy Rain Disaster of the Amami-Oshima Island, Japan

Y. Sakuno, K. Oki.....25

Assessment of Urban Heat Island Using Remotely Sensed Imagery over Greater Cairo, Egypt

K. Abutaleb, A. Ngie, A. Darwish, M. Ahmed, S. Arafat, F. Ahmed.....35

Combined Remote Sensing and GIS Techniques for Studying the Large Roman Urban System Expansion during the Last Twenty Years

E. Loret, L. Martino, M. Fea, F. Sarti.....48

Prediction Modeling and Mapping of Soil Carbon Content using Artificial Neural Network, Hyperspectral Satellite Data and Field Spectroscopy

S. K. Tiwari, S. K. Saha, S. Kumar.....63

Applying the Global Disturbance Index for Detecting Vegetation Changes in Lao Tropical Forests

C. Phompila, M. Lewis, K. Clarke, B. Ostendorf.....73

Using Cellular Automata-Markov Analysis and Multi Criteria Evaluation for Predicting the Shape of the Dead Sea

M. A. El-Hallaq, M. O. Habboub.....83

Advances in Remote Sensing (ARS)

Journal Information

SUBSCRIPTIONS

The *Advances in Remote Sensing* (Online at Scientific Research Publishing, 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

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.

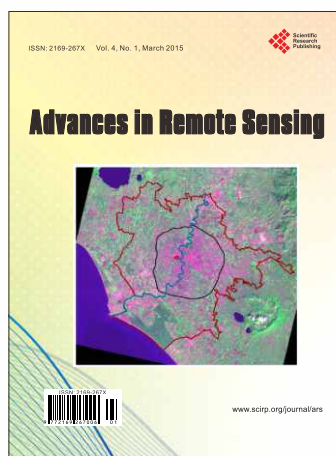
DISCLAIMER OF LIABILITY

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: ars@scirp.org



Advances in Remote Sensing

ISSN Print: 2169-267X

ISSN Online: 2169-2688

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

Advances in Remote Sensing (ARS) is an openly accessible journal published quarterly. 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 all areas of remote sensing.

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 Advances in Remote Sensing (ARS) include but are not limited to the following fields:

- | | |
|---|--|
| <ul style="list-style-type: none">● Advanced platforms and sensors● Agriculture, ecosystems, land cover/change, hydrology, meteorological, social● Biophysical and biogeochemical parameter modeling● Change detection● Data assimilation● Data fusion● Data receiving and engineering● Data sharing and mining● Economic surveys and cost-benefit analyses● Environment management, dissemination, decision making● Environmental monitoring● Geospatial analysis of remote sensing data● Global monitoring● Hazard, ice/snow, fire, drought, fog, pollution● Hyper-temporal remote sensing● Image processing and analysis● Image sequence analysis● Image understanding and object based image analysis● Land degradation & desertification● Land-use and land-cover change assessment | <ul style="list-style-type: none">● Land-use and land-cover change modeling● Mobile mapping sensor and data analysis● Multi-sensor approach● Nonrenewable resources and geotechnical applications● Other related principles of remote sensing● Remote sensing of mining areas● Remote sensing of wetlands● Remote sensing planning, implementation● Remote sensing program and experiment concepts● Remote sensing science, theory● Remote sensing strategic partnerships, policies, and measures● Remote sensing validation and scaling problems● Satellite instrument calibration requirements● Satellite mission requirements and implementation● Sensor characterisation● Sensor intercalibration● Sensor technology development● Spacecraft and instrument navigation● Time series analysis● Unmanned aerial vehicle (UAV)● Water quality modeling and benthic habitat classification● Wetland mapping and ecology |
|---|--|

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.

Website and E-mail

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

E-mail: ars@scirp.org

