

Volume 3, Issue 2, DEC-2016

ISSN-2394-8698(P)  
ISSN-2395-4388(O)

INTERNATIONAL  
JOURNAL OF APPLIED  
REMOTE SENSING & GIS

GSS JOURNALS  
<http://www.gssjournals.org>

# INTERNATIONAL JOURNAL OF APPLIED REMOTE SENSING & GIS

Published by the GSS Journals, 3A Kaiserbagh Avenue,  
Hazratganj, Lucknow-226 001, India

## **Editorial Office**

3A Kaiserbagh Avenue  
Next to Gymkhana Club, Hazratganj  
Lucknow-226 001, India.

Correspondence related to editorial matters should be sent to above editorial office  
or email to **[solution.gss@gmail.com](mailto:solution.gss@gmail.com)**

Author's submission of research papers and articles to the International Journal of  
Applied Remote Sensing & GIS is tantamount to their expressing consent for free  
publication of their papers by the GSS Journals in print and electronic formats online.

International Journal of Applied Remote Sensing & GIS is published biannual by GSS  
Journals, Lucknow.

Information about scope, content and forthcoming issues are available online at  
**<http://www.gssjournals.org>**

Printed by GSS journals, Lucknow, India

© 2014 GSS Journals. All rights reserved.

## **GUEST EDITOR-IN-CHIEF**

Prof. Sheo Shanker Verma

## **EDITORS**

Dr. Kashif Imdad  
PPN PG College, CSJM University, Kanpur, India  
(Editor)

Dr. Hany Samy Abu El Ela  
Fayoum University, Egypt  
(Associate Editor)

## **EDITORIAL BOARD**

Prof. B N Singh  
Allahabad University, Allahabad,  
India

Dr. Onosemuode Christopher  
Federal University of Petroleum Resources,  
Delta State, Nigeria

Prof. Harish Chandra Nainwal  
Department of Geology, HNB Garhwal  
University, Uttarakhand, India

Tuba Zahra  
Center for Spatial Information Science,  
University of Tokyo, Kashiwa Campus, Japan

Dr. P K Singh  
NPG College, Lucknow University, Lucknow,  
India

Prof. Ishaq M Kayamkhani  
ML Sukhadia University, Udaipur,  
India

Dr. Aniruddha Uniyal  
Uttar Pradesh Remote Sensing Application  
Centre, Lucknow, India

Dr. Archana Chaudhary  
RR PG College, RML Avadh University, Amthi,  
India

Dr. Sudhakar Shukla  
Uttar Pradesh Remote Sensing Application  
Centre, Lucknow, India

Dr. Virendra Kumar  
Uttar Pradesh Remote Sensing Application  
Centre, Lucknow, India

Dr. Satish Chandra  
PPN PG College, CSJM University, Kanpur,  
India

Dr. Rajiva Mohan  
Uttar Pradesh Remote Sensing Application  
Centre, Lucknow, India

Mr. Ajin R. S  
GeoVin Solutions Pvt. Ltd.  
Thiruvananthapuram, Kerala, India

Mr. Pawan Kumar Tiwari  
Japan International Corporation Agency  
(JICA), Delhi, India

## **ADVISORY BOARD**

Chandra Shekhar Yadav  
UPRSAC, Lucknow, India

Shubhi Misra  
CIPOD, SIS, J.N.U, New Delhi, India

Dr. Ratnesh Shukla  
Shri Ram Krishn PG College, Kanpur, India

Dr. Arun Kumar Dwivedi  
Lucknow University, Lucknow, india

Dr. Ranapratap Yadav  
VSSD College, CSJM University, Kanpur, India

Dr. Kumar Amit  
DAV College, , CSJM University, Kanpur India

(Visit gssjournals website <http://www.gssjournals.org> for detailed list of members of editorial team.  
Contact us if you wish to join International Journal of Applied Remote Sensing & GIS as member of  
editorial board or reviewer)

INTERNATIONAL  
JOURNAL OF APPLIED  
REMOTE SENSING & GIS

GSS JOURNALS  
<http://www.gssjournals.org>

## CONTENTS

Sl. No.	Authors and Research Paper	Page No.
1.	<b>Annie Melinda Paz-Alberto , Gloria N. Ramos, Hanna Mae T. Carganilla, Cenon Conrado C. Divina, Jeremy Joel J. Barza</b> Exposure and Vulnerability Assessment of Buildings Extracted from LiDAR Derived Datasets in the Flood Plains of Santo Tomas River Basin, Zambales, Philippines	1-12
2.	<b>Aniruddha Uniyal</b> A Kedarnath-like Disaster Incubating at Yamunotri – Janki Chatti area of Uttarakhand Himalaya, India	13-23
3.	<b>Oluwafemi O. Okeniyi &amp; Adedayo O. Alagbe</b> Variations in the Spatial Accessibility to Modern Health Care Facilities in Oyo Town, Oyo State, Nigeria	24-34
4.	<b>Annie Melinda Paz-Alberto, Marietta A. Pakaigue, Edmark P. Bulaong, Melissa Joy M. Sison, &amp; Ranilo B. Lao</b> River Morphology and River Channel Changes In Dagupan River, Pangasinan, Philippines	35-44
5.	<b>Umesh Singh &amp; Archana Chaudhary</b> Study of Travel Demand and Road Capacity on Urban Travel using GIS : A Case Study of Lucknow City	45-56

GSS JOURNALS  
<http://www.gssjournals.org>