

Journal of Radar and Optical Remote Sensing

Volume 4, Issue 3
August–September 2021

Islamic Azad University, Yazd Branch, Iran

Permission to publish Journal of Radar and Optical Remote Sensing

With respect to the Reference Number: **96/ص/87/7** dated 1396/01/14(3th April 2017), the 104th commission session was held to evaluate and approve the scientific journal of the Islamic Azad University. The commission announced to grant permission to establish the journal entitled “Journal of Radar and Optical Remote Sensing”.

Editorial team of JRORS

Editor-in-Chief

Dr. S. Ali Almodaresi - *Associate Professor, GIS and RS Department, Yazd Branch, Islamic Azad University*

Associate Editor-in-Chief

Dr. Ali Akbar Jamali - *Associate Professor, Department of GIS-RS and Natural Engineering, Meybod Branch, Islamic Azad University*

Editorial Board

Dr. Mohammad Hossein Ramesht - *Professor, Department of Geography, Isfahan University*

Dr. Seyed Kazem Alavi Panah - *Professor, Department of Remote Sensing and GIS, Tehran University*

Dr. Ali Sarkargar - *Part-time Faculty Member, Yazd Branch, Islamic Azad University*

Dr. Hooman Latifi - *Assistant Professor, Department of Remote Sensing, University of Wuerzburg*

Dr. Mahdi Motagh - *Department of Geodesy and Remote Sensing, Helmholtz-Zentrum Potsdam*

Dr. Mostafa Khabbazi - *Faculty Member, Shahid Bahonar University, Kerman*

Dr. Karim Naghdi - *Faculty Member, Taft Branch, Islamic Azad University*

Executive Manager

Atefeh Hemmati - *Faculty Member, Abarkouh Branch, Islamic Azad University*

English Language Editor

Dr. Ali Boloor - *Department of Arts and Architecture, Islamic Azad University, Yazd Branch*

Journal Designer

Mohsen Eghbali - *Department of Computer Software Engineering, Yazd Branch, Islamic Azad University*

Acknowledgement

JRORS would like to thank the following people for their contributions to this volume.

Reviewers

Dr. Ali Akbar Jamali

Dr. Farhad Katiraei

Dr. AliReza Khavaninzadeh

Dr. Malihe Zakerian

Dr. Ali HasanAbadi

Mrs. Nasim Zerang

Mrs. Rasa Raiesi

In the Name of God

Dear Readers,

I have the enormous opportunity to share the Eleventh journal publication to the readers. The Journal of Radar and Optical Remote Sensing (JRORS) is the first radar journal and the first scientific journal in this area of Islamic Azad University (2017). The publication of the articles resulting from the scholarly research findings contributes to the advancement of knowledge and performance of remote sensing and radar. This journal focuses on original research papers that develop a basic knowledge in the field of remote sensing and radar.

Over the past years, many research articles have been received in the specialized field and just a few have been accepted for publication in each issue based on the reviewers' and the editorial team's decisions regarding the articles. This has somehow upset the authors. Therefore, an apology on behalf of the editorial team for declining and or delaying the publication of some of these inter-disciplinary scholarly articles. It is hoped to add the scientific richness of the journal by releasing articles that reflect your valuable research activities, providing us with the latest publications in the scientific community of remote sensing and radar.

Finally, I would like to sincerely thank the Editorial Board for their dedication to prepare the Eleventh issue. It was their efforts that made it possible to publish the Eleventh issue on time.

Sincerely,



Dr. Seyyed Ali Almodaresi
Editor-in-Chief
Journal of Radar and Optical Remote Sensing
www.jrors.ir

INDEX

NO	TITLE	PAGES
1	Introduction	i-vi
2	Single Pixel Imaging Using Compressive Sensing and Spatial Light Modulator <i>Mohammad Raueinfar, Mahdi Salmanian, Ali Aghakasiri, Abbas Bashiri, Saeed Babanezhad</i>	7-16
3	Discovering and Recovering the Changes in Land Use and Land Cover Using Remote Sensing and GIS (Case Study: Heev Village, Alborz Province) <i>Zahra Talebi, Zahra Naserian, Mahammad Mazrae Molaei</i>	17-28
4	Study of Vegetation Status and Determination of Drought Intensity through Vegetation Indices Using Satellite Images <i>Ehsan Fouladvand</i>	29-36
5	A Heuristic Model for SQL Injection Attacks Prevention in GIS Web Application <i>Mohammad Ali Arasteh, Fahimeh Parsaei</i>	37-49
6	Geostatistical Analysis of Spatial and Temporal Changes of Pressure Breakers and Water Reservoirs in District 2 of Tehran <i>Mehrdad Tavakolzadeh</i>	50-57
7	Ranking the Level of Social Sustainability of Yazd Neighborhoods Using Fuzzy TOPSIS <i>Fateme Raghebian Hanzaie, Mohammad Hosein Saraei, Seyed Ali Almodaresi</i>	58-74