

## Javed Iqbal

Professor

Institute of Geographical Information Systems

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## About

Dr. Javed Iqbal is working as Professor in the Institute of Geographical Information Systems. Dr. Javed Iqbal has a PhD in Agronomy-Soil Science. Dr. Javed Iqbal has published 55 research articles & conference papers having a citation count of 859, carried out 3 projects and filed 0 intellectual property.

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## Qualifications

<b>PhD in Agronomy-Soil Science</b> Mississippi State University , United States	1996 - 2000
<b>MS in General Agriculture</b> University of Arkansas at Fayetteville , United States	1992 - 1994
<b>MS in Soil Science,The University Of Agriculture, Peshawar-Pakistan</b> The University of Agriculture, Peshawar , Pakistan	1987 - 1989
<b>B.Sc (Hon) in Soil Science, The University Of Agriculture, Peshawar-Pakistan</b> The University of Agriculture, Peshawar , Pakistan	1983 - 1987

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## Experience

<b>Professor</b> Institute of Geographical Information Systems	2018- Present
<b>Associate Professor</b> Institute of Geographical Information Systems	2009 - 2018
<b>Asst Prof</b> COMSATS , COMSATS, Abbottabad	2008 - 2009
<b>Post-Doc Research Associate</b> Purdue University , 915 W State St, West Lafayette, IN 47907, United States	2005 - 2007
<b>Post-Doc</b> Agricultural & Biological Engineering (ABE) Department at Mississippi State University (MSU) , Mississippi State University	2001 - 2005
<b>Lecturer</b> The University of Agriculture, Peshawar-Pakistan , The University of Agriculture, Peshawar-Pakistan	1990 - 2001

Research Projects

National Projects

<b>Precision Agriculture: Remote-sensing based agricultural system characterization and Management with an interdisciplinary team approach</b> Funding Agency: NUST Amount: PKR 21,000,000.00 Status: Approved_inprocess	2023
<b>Sustainability and Quality Assurance for Academic Governance and Redesign Engineering Studies</b> Funding Agency: ERASMUS Amount: PKR 18,892,479.00 Status: Approved_inprocess	2023
<b>Research-based Habitat Planning for a Resilient Ishkoman Valley through Modelling and Assessment of Remote Sensing and In-valley Hazards and Glacial Water Variability under Climate Change</b> Funding Agency: Agha Khan Planning and Building Service Pakistan ( AKPBS,P) Amount: PKR 7,100,000.00 Status: Approved_inprocess	2022

International Projects

Research Articles

<b>Using remotely sensed vegetation indices and multi-stream deep learning improves county-level corn yield predictions</b> <i>Shahid Nawaz Khan Javed Iqbal Kashif Khan Mobushir Riaz Khan Naeem Abbas Malik Faiq Ahmad Khan Abid Nawaz Khan Amna Wahab European Journal of Agronomy</i> , Volume 164, Article Number 127496 Impact Factor: 4.500   Quartile: 1   Citations: 5 DOI: <a href="https://doi.org/10.1016/j.eja.2024.127496">https://doi.org/10.1016/j.eja.2024.127496</a>	2025
<b>MangiSpectra: A Multivariate Phenological Analysis Framework Leveraging UAV Imagery and LSTM for Tree Health and Yield Estimation in Mango Orchards</b> <i>Muhammad Munir Afsar Ejaz Hussain Javed Iqbal Muhammad Shahid Iqbal Asim Dilawar Bakhshi Remote Sensing</i> , Volume 17(4), Article Number 703 Impact Factor: 4.200   Quartile: 1   Citations: 1 DOI: <a href="https://doi.org/10.3390/rs17040703">https://doi.org/10.3390/rs17040703</a>	2025
<b>Estimating afforestation related forest cover change using data fusion and machine learning</b> <i>Kashif Khan Muhammad Faheem Khokhar Javed Iqbal Junaid Aziz Khan Shahid Nawaz Khan Environmental Research Communications</i> , Volume 6, Number 11, Article Number 115004 Impact Factor: 2.500   Quartile: 3   Citations: 2 DOI: <a href="https://doi.org/10.1088/2515-7620/ad88e0">https://doi.org/10.1088/2515-7620/ad88e0</a>	2024
<b>High-Precision Mango Orchard Mapping Using a Deep Learning Pipeline Leveraging Object Detection and Segmentation</b> <i>Asim Dilawar Bakhshi Muhammad Shahid Iqbal Ejaz Hussain Javed Iqbal Muhammad Munir Afsar Remote Sensing</i> , Volume 16(17), Article Number 3207 Impact Factor: 4.200   Quartile: 1   Citations: 3 DOI: <a href="https://doi.org/10.3390/rs16173207">https://doi.org/10.3390/rs16173207</a>	2024
<b>Assessing Soil and Land Suitability of an Olive–Maize Agroforestry System Using Machine Learning Algorithms</b> <i>Javed Iqbal Amanda J. Ashworth Asif Hayat Phillip R. Owens Crops</i> , Volume 4(3), Pages 308-323 Impact Factor: 0   Citations: 1 DOI: <a href="https://doi.org/10.3390/crops4030022">doi.org/10.3390/crops4030022</a>	2024
<b>A deep learning-based framework for object recognition in ecological environments with dense focal loss and occlusion</b> <i>Muhammad Munir Afsar Asim Dilawar Bakhshi Ejaz Hussain Javed Iqbal Neural Computing and Applications</i> , Volume 36, Issue 16, Pages 9591-9604 Impact Factor: 4.500   Quartile: 2   Citations: 2 DOI: <a href="https://doi.org/10.1007/s00521-024-09582-5">https://doi.org/10.1007/s00521-024-09582-5</a>	2024

<b>Performance evaluation of individual tree detection and segmentation algorithms using ALS data in Chir Pine (<i>Pinus roxburghii</i>) forest</b>  <i>Tahir Saeed Ejaz Hussain Sami Ullah Javed Iqbal Salman Atif Mohsin Yousaf</i> <i>Remote Sensing Applications: Society and Environment</i> , Volume 34, Article Number 101178 <b>Impact Factor: 4.7   Citations: 3</b> <b>DOI:</b> <a href="https://doi.org/10.1016/j.rsase.2024.101178">https://doi.org/10.1016/j.rsase.2024.101178</a>	2024
<b>GIS based hotspot analysis and health risk assessment of groundwater arsenic from an unconfined deep aquifer of Lahore, Pakistan</b>  <i>Syed Umair Shahid Javed Iqbal Naeem Akhtar Abbasi Areej Tahir</i> <i>Environmental Geochemistry and Health</i> , Volume 45, Issue 8, Pages 6053-6068 <b>Impact Factor: 4.2   Quartile: 2   Citations: 6</b> <b>DOI:</b> <a href="https://doi.org/10.1007/s10653-023-01612-w">https://doi.org/10.1007/s10653-023-01612-w</a>	2023
<b>Geospatial soil loss risk assessment using RUSLE model: a study of Panjkora River Basin, Khyber Pakhtunkhwa, Pakistan</b>  <i>Muhammad Jamal Nasir Said Alam Waqas Ahmad Javed Iqbal Burhan Ahmad Sayed M. Bateni Mansour Almazroui</i> <i>Arabian Journal of Geosciences</i> , Volume 16, Article Number 440 <b>Impact Factor: N/A</b> <b>DOI:</b> <a href="https://doi.org/10.1007/s12517-023-11555-2">https://doi.org/10.1007/s12517-023-11555-2</a>	2023
<b>Soil erosion susceptibility assessment of Swat River sub-watersheds using the morphometry-based compound factor approach and GIS</b>  <i>Muhammad Jamal Nasir Waqas Ahmad Changhyun Jun Javed Iqbal Sayed M. Bateni</i> <i>Environmental Earth Sciences</i> , Volume 82, Issue 12, Article Number 315 <b>Impact Factor: 2.8   Quartile: 2   Citations: 11</b> <b>DOI:</b> <a href="https://doi.org/10.1007/s12665-023-10982-4">https://doi.org/10.1007/s12665-023-10982-4</a>	2023
<b>The vulnerability analysis of groundwater contamination and Bayesian-based spatial modelling</b>  <i>A. Shaheen Javed Iqbal B. Aslam T. Najam Syed Shoaib Ahmad Shah N. Ahmad F. Rehman M. Shahzad</i> <i>International Journal of Environmental Science and Technology</i> <b>Impact Factor: 3.519   Quartile: 3   Citations: 1</b> <b>DOI:</b> <a href="https://doi.org/10.1007/s13762-023-04947-0">10.1007/s13762-023-04947-0</a>	2023
<b>Effect of the Urban Land Use Dynamics on Land Surface Temperature: A Case Study of Kohat City in Pakistan for the Period 1998–2018</b>  <i>Muhammad Jamal Nasir Javed Iqbal Burhan Ahmad Hazem Ghassan Abdo Rafiq Hamdi Sayed M. Bateni Waqas Ahmad</i> <i>Earth Systems and Environment</i> , Volume 6, Pages 237-248 <b>Impact Factor: N/A   Citations: 22</b> <b>DOI:</b> <a href="https://doi.org/10.1007/s41748-022-00292-3">https://doi.org/10.1007/s41748-022-00292-3</a>	2022
<b>Impact of land use/land cover changes on water quality and human health in district Peshawar Pakistan</b>  <i>Waqas Ahmad javed iqbal Muhammad Jamal Nasir Burhan Ahmad Muhammad Tasleem Khan Shahid Nawaz Khan Syed Adnan</i> <i>Scientific Reports</i> , Volume 11, Article Number: 16526 <b>Impact Factor: 4.379   Quartile: 1   Citations: 81</b> <b>DOI:</b> <a href="https://doi.org/10.1038/s41598-021-96075-3">https://doi.org/10.1038/s41598-021-96075-3</a>	2021
<b>An optimal method for searching failure surfaces of hard thin-layered anacinal rock slopes with cross joints</b>  <i>Lijun SU Xin Qu Chonglei Zhang javed iqbal Shanyong Wang Xingqian Xu Fangfang Diao</i> <i>Arabian Journal of Geosciences</i> , Volume 14, Article Number: 1422 <b>Impact Factor: N/A   Citations: 2</b> <b>DOI:</b> <a href="https://doi.org/10.1007/s12517-021-07814-9">https://doi.org/10.1007/s12517-021-07814-9</a>	2021
<b>Spatio-temporal analysis of chickpea crop in arid environment by comparing high-resolution UAV image and LANDSAT imagery</b>  <i>Naveed Ahmad Javed Iqbal A. Shaheen A. Ghfar M. Ouladsmane M. M. AL-Anazy</i> <i>International Journal of Environmental Science and Technology</i> , Pages 1-16 <b>Impact Factor: 2.860   Quartile: 3   Citations: 4</b> <b>DOI:</b> <a href="https://doi.org/10.1007/s13762-021-03502-z">doi.org/10.1007/s13762-021-03502-z</a>	2021
<b>Geospatial analysis and simulation of glacial avalanche hazard in hunza river basin</b>  <i>Naseem Gilany Javed Iqbal Ejaz Hussain</i> <i>International Journal of Environmental Science and Development</i> , Volume 12, Issue 2, Pages 51-57	2021

<b>Impact Factor:</b> N/A   <b>Citations:</b> 1 <b>DOI:</b> 10.18178/ijesd.2021.12.2.1317	
<b>Simulation of glacial lake outburst flood hazard in Hunza valley of upper Indus Basin</b> <i>Naseem Gilany Javed Iqbal Anwaar Ahmed</i> <i>International Journal of Advanced and Applied Sciences</i> , Volume 8, Issue 1, Pages 41-49 <b>Impact Factor:</b> N/A   <b>Citations:</b> 2 <b>DOI:</b> 10.21833/ijaas.2021.01.006	2021
<b>Flash flood risk modeling of swat river sub-watershed: a comparative analysis of morphometric ranking approach and El-Shamy approach</b> <i>Muhammad Jamal Nasir Javed Iqbal Waqas Ahmad</i> <i>Arabian Journal of Geosciences</i> , Volume 13, Article Number: 1082 <b>Impact Factor:</b> 1.827   <b>Quartile:</b> 3   <b>Citations:</b> 33 <b>DOI:</b> 10.1007/s12517-020-06064-5	2020
<b>Landslide susceptibility analysis of Karakoram highway using analytical hierarchy process and scoops 3D</b> <i>Barira Rashid Javed Iqbal SU Li-jun</i> <i>Journal of Mountain Science</i> , Volume 17(7), Pages 1596-1612 <b>Impact Factor:</b> 2.071   <b>Quartile:</b> 3   <b>Citations:</b> 34 <b>DOI:</b> <a href="https://doi.org/10.1007/s11629-018-5195-8">https://doi.org/10.1007/s11629-018-5195-8</a>	2020
<b>Investigation of the dynamic process of the Xinmo landslide using the discrete element method</b> <i>Zhenyu Liu Lijun Su Chonglei Zhang Javed Iqbal Bingli Hu Zhibo Donga</i> <i>Computers and Geotechnics</i> , Volume 123, Article Number 103561 <b>Impact Factor:</b> 4.956   <b>Quartile:</b> 1   <b>Citations:</b> 66 <b>DOI:</b> <a href="https://doi.org/10.1016/j.compgeo.2020.103561">https://doi.org/10.1016/j.compgeo.2020.103561</a>	2020
<b>Geospatial analysis and simulation of glacial lake outburst flood hazard in Shyok Basin of Pakistan</b> <i>Naseem Gilany Javed Iqbal</i> <i>Environmental Earth Sciences</i> , Volume 79, Article number: 139 <b>Impact Factor:</b> 2.784   <b>Quartile:</b> 2   <b>Citations:</b> 24 <b>DOI:</b> <a href="https://doi.org/10.1007/s12665-020-8867-y">https://doi.org/10.1007/s12665-020-8867-y</a>	2020
<b>Assessment of Sentinel-2-Derived Vegetation Indices for the Estimation of Above-Ground Biomass/Carbon Stock, Temporal Deforestation and Carbon Emissions Estimation in the Moist Temperate Forests of Pakistan</b> <i>Kashif Khan Javed Iqbal Anwar Ali Shahid Nawaz Khan</i> <i>Applied Ecology and Environmental Research</i> , Volume 18(1), Pages 783-815 <b>Impact Factor:</b> 0.711   <b>Quartile:</b> 4   <b>Citations:</b> 29 <b>DOI:</b> <a href="http://dx.doi.org/10.15666/aeer/1801_783815">http://dx.doi.org/10.15666/aeer/1801_783815</a>	2020
<b>Simulation of Glacial Avalanche Hazards in Shyok Basin of Upper Indus</b> <i>Syed Naseem Abbas Gilany Javed Iqbal</i> <i>Scientific Reports</i> , Volume: 9, Article Number: 20077 <b>Impact Factor:</b> 3.998   <b>Quartile:</b> 1   <b>Citations:</b> 14 <b>DOI:</b> <a href="https://doi.org/10.1038/s41598-019-56523-7">DOI: 10.1038/s41598-019-56523-7</a>	2019
<b>A Simple Approach of Groundwater Quality Analysis, Classification, and Mapping in Peshawar, Pakistan</b> <i>Javed Iqbal Matti Maltamo Muhammad Suleman Bacha Asfandyar Shahab Ruben Valbuena Syed Adnan</i> <i>Environments</i> , Vol.6(12), Article Number 123 <b>Impact Factor:</b> 0   <b>Citations:</b> 14 <b>DOI:</b> <a href="https://doi.org/10.3390/environments6120123">https://doi.org/10.3390/environments6120123</a>	2019
<b>Assessment of the health impact of paper mulberry (<i>Broussonetia papyrifera</i> L.), an invasive plant species in Islamabad, Pakistan</b> <i>Sana Qazi Javed Iqbal junaid aziz khan</i> <i>Geospatial Health</i> , Volume 14, Article Number 727 <b>Impact Factor:</b> 1.078   <b>Quartile:</b> 4   <b>Citations:</b> 6 <b>DOI:</b> <a href="https://doi.org/10.4081/gh.2019.727">10.4081/gh.2019.727</a>	2019
<b>Modeling Hydrological Response to Climate Change in a Data-Scarce Glacierized High Mountain Astore Basin Using a Fully Distributed TOPKAPI Model</b> <i>iqra atif Javed Iqbal Li-jun Su</i>	2019

**Impact Factor:** - | **Citations:** 8

**DOI:** 10.3390/cli7110127

**Integrated hydrological modeling for assessment of water demand and supply under socio-economic and IPCC climate change scenarios using WEAP in Central Indus Basin**

2019

*Areesha Asghar Javed Iqbal Ali Amin Lars Ribbe*

*Journal of Water Supply Research and Technology-Aqua*, Volume 68, Issue 2, Pages 136-148

**Impact Factor:** 1.319 | **Quartile:** 3 | **Citations:** 54

**DOI:** 10.2166/aqua.2019.106

**Adaptive geospatial modeling of soil contamination by selected heavy metals in the industrial area of Sheikhpura, Pakistan.**

2018

*Asma Shaheen Javed Iqbal S. Hussain*

*International Journal of Environmental Science and Technology*, Pages 1–18, online published on 01 September 2018

**Impact Factor:** 2.031 | **Quartile:** 3 | **Citations:** 36

**DOI:** 10.1007/s13762-018-1968-4

**Modeling Spatio-temporal Malaria Risk Using Remote Sensing and Environmental Factors**

2018

*Muhammad Haris MAZHER Iqra Atif Muhammad Ahsan Mahboob Javed Iqbal*

*Iranian Journal of Public Health*, NULL

**Impact Factor:** 1.225 | **Quartile:** 3

**DOI:** <http://ijph.tums.ac.ir/index.php/ijph/article/view/14580>

**GIS-based DRASTIC model for groundwater vulnerability and pollution risk assessment in the Peshawar District, Pakistan**

2018

*syed Adnan Javed Iqbal Matti Maltamo Rubén Valbuena*

*Arabian Journal of Geosciences*, NULL

**Impact Factor:** 1.141 | **Quartile:** 4 | **Citations:** 23

**DOI:** <https://doi.org/10.1007/s12517-018-3795-9>

**Investigating Snow Cover and Hydrometeorological Trends in Contrasting Hydrological Regimes of the Upper Indus Basin**

2018

*Iqra Atif Javed Iqbal Muhammad Ahsan Mahboob*

*Atmosphere*, Volume 9(5), Article Number 162

**Impact Factor:** 2.046 | **Quartile:** 3 | **Citations:** 28

**DOI:** 10.3390/atmos9050162

**Analysis of Current and Future Water Demands in the Upper Indus Basin under IPCC Climate and Socio-Economic Scenarios Using a Hydro-Economic WEAP Model**

2018

*Ali Amin Areesha Asghar Javed Iqbal Lars Ribbe*

*Water*, NULL

**Impact Factor:** 2.524 | **Quartile:** 2 | **Citations:** 75

**DOI:** 10.3390/w10050537

**Spatial Distribution and Mobility Assessment of Carcinogenic Heavy Metals in Soil Profiles Using Geostatistics and Random Forest, Boruta Algorithm**

2018

*Javed Iqbal Asma Shaheen*

*Sustainability*, NULL

**Impact Factor:** 2.952 | **Quartile:** 2 | **Citations:** 44

**DOI:** 10.3390/su10030799

**Spatiotemporal Change Detection in Forest Cover Dynamics along Landslide Susceptible Region of Karakoram Highway, Pakistan**

2018

*B. Rashid Javed Iqbal*

*ISPRS Annals of the Photogrammetry, Remote Sensing and Spatial Information Sciences*, IV-3, Pages 177-184

**Impact Factor:** - | **Citations:** 5

**DOI:** DOI 10.5194/isprs-annals-IV-3-177-2018

**Spatio Temporal Change of Selected Glaciers Along Karakoram Highway from 1994–2017 using Remote Sensing and GIS Techniques**

2018

*Yasmeen Anwar Javed Iqbal*

*ISPRS Annals of the Photogrammetry, Remote Sensing and Spatial Information Sciences*, IV-3, Pages 7-11

**Impact Factor:** - | **Citations:** 8

**DOI:** DOI 10.5194/isprs-annals-IV-3-7-2018

<b>A comprehensive assessment of spatial interpolation methods for the groundwater quality evaluation of Lahore, Punjab, Pakistan</b> <i>Syed Umair Shahid Javed Iqbal Sher Jamal Khan Syed Umair Shahid</i> <i>NUST Journal of Engineering Sciences</i> , Vol. 10, No. 1, Pages 1-13 <b>Impact Factor:</b> - <b>DOI:</b> NA	2017
<b>Assessment of emerging hydrological, water quality issues and policy discussion on water sharing of transboundary Kabul River</b> <i>Shahid Mehmood Akhtar Javed Iqbal</i> <i>Water Policy</i> , Volume 19, Issue 4, Pages 650-672 <b>Impact Factor:</b> 0.838   <b>Quartile:</b> 4   <b>Citations:</b> 14 <b>DOI:</b> 10.2166/wp.2017.119	2017
<b>Structural Investigation for Locating Petroleum Reservoirs Using Geoinformatics in Meyal, Potwar Region, Pakistan</b> <i>Zohaib Fayyaz Javed Iqbal Muhammad Ahsan Mahboob Abdul Jabbar Muhammad Affan Sabir</i> <i>International Journal of Geosciences</i> , Vol.7, No.11, Pages 1345-1355 <b>Impact Factor:</b> - <b>DOI:</b> doi:10.4236/ijg.2016.711098	2016
<b>Paleochannel delineation using Landsat 8 OLI and Envisat ASAR image fusion techniques in Cholistan desert, Pakistan</b> <i>Zaheer Ul Islam Javed Iqbal Junaid Aziz Khan Waqas A. Qazi</i> <i>Journal of Applied Remote Sensing</i> , Volume: 10, Article Number: 046001 <b>Impact Factor:</b> 1.107   <b>Quartile:</b> 3   <b>Citations:</b> 14 <b>DOI:</b> 10.1117/1.JRS.10.046001	2016
<b>Spatial-temporal variations of vegetation and drought severity across Tharparkar, Pakistan, using remote sensing-derived indices</b> <i>Sami Ullah Shah Javed Iqbal</i> <i>Journal of Applied Remote Sensing</i> , Volume 10, Issue 3, Article Number 036005 <b>Impact Factor:</b> 1.107   <b>Quartile:</b> 3   <b>Citations:</b> 4 <b>DOI:</b> 10.1117/1.JRS.10.036005	2016
<b>Transboundary impact assessment of Indian dams: a case study of Chenab River Basin in perspective of Indus Water Treaty</b> <i>Shakeel Ahmad Javed Iqbal</i> <i>WATER POLICY</i> , Volume: 18 Issue: 3 Pages: 545-564 <b>Impact Factor:</b> 1.144   <b>Quartile:</b> 3   <b>Citations:</b> 6 <b>DOI:</b> 10.2166/wp.2015.137	2016
<b>Modelling Semi-Automated Delineation of Supra-Glacial Debris and Clean Ice Glacial Changes of Shigar Basin</b> <i>Iqra Atif Javed Iqbal Muhammad Ahsan Mahboob</i> <i>Science International</i> , Volume 28, Issue 2, Pages 1191-1196 <b>Impact Factor:</b> - <b>DOI:</b> -	2016
<b>Modelling Mass Balance of Upper Indus Basin Glaciers in Relation with Climatic Variability</b> <i>Iqra Atif Javed Iqbal Muhammad Ahsan Mahboob</i> <i>Science International</i> , Volume 28, Issue 3, Pages 2637-2644 <b>Impact Factor:</b> - <b>DOI:</b> -	2016
<b>Flash flood water management practices in Dera Ghazi Khan City (Pakistan): a remote sensing and GIS prospective</b> <i>Bilal Ahmad Munir Javed Iqbal</i> <i>Natural hazards</i> , Volume: 81 Issue: 2 Pages: 1303-1321 <b>Impact Factor:</b> 1.833   <b>Quartile:</b> 2   <b>Citations:</b> 23 <b>DOI:</b> 10.1007/s11069-015-2136-5	2016
<b>Estimation of soil moisture using multispectral and FTIR techniques</b> <i>Syed Muhammad Zubair Younis Javed Iqbal</i> <i>The Egyptian Journal of Remote Sensing and Space Science</i> , Volume 18, Issue 2, Pages 151-161	2015

<b>Impact Factor:</b> -   <b>Citations:</b> 52 <b>DOI:</b> doi:10.1016/j.ejrs.2015.10.001	
<b>Modeling and Simulation of Glacier Avalanche: A Case Study of Gayari Sector Glaciers Hazards Assessment</b> <i>Muhammad Ahsan Mahboob Javed Iqbal Iqra Atif</i> <i>IEEE Transactions on Geoscience and Remote Sensing</i> , Volume 53, Issue 11, Pages 5824-5834 <b>Impact Factor:</b> 3.360   <b>Quartile:</b> 1   <b>Citations:</b> 27 <b>DOI:</b> 10.1109/TGRS.2015.2419171	2015
<b>Remote Sensing and GIS Applications for Assessment of Urban Sprawl in Karachi, Pakistan</b> <i>Muhammad Ahsan Mahboob Iqra Atif Javed Iqbal</i> <i>Science, Technology and Development</i> , Volume 34 (3), Pages 179-188 <b>Impact Factor:</b> N/A <b>DOI:</b> DOI:10.3923/std.2015.179.188	2015
<b>GIS-Based Identification of Overloaded Distribution Transformers &amp; Calculation</b> <i>Awais Ali Ahmad Abolghasem Akbari Javed Iqbal</i> <i>International Journal of Civil Engineering &amp; Geo-Environmental</i> , Volume 6, Pages 14-21 <b>Impact Factor:</b> - <b>DOI:</b> NA	2015
<b>Snow cover area change assessment in 2003 and 2013 using MODIS data of the Upper Indus Basin, Pakistan</b> <i>Iqra Atif Muhammad Ahsan Mahboob Javed Iqbal</i> <i>Journal of Himalayan Earth Sciences</i> , Volume 48 (2), Pages 117-128 <b>Impact Factor:</b> - <b>DOI:</b> -	2015
<b>Groundwater quality assessment and its correlation with gastroenteritis using GIS: a case study of Rawal Town, Rawalpindi, Pakistan</b> <i>Syed Umair Shahid Javed Iqbal Ghalib Hasnain</i> <i>Environmental Monitoring and Assessment</i> , Volume 186, Issue 11, Pages 7525-7537 <b>Impact Factor:</b> 1.679   <b>Quartile:</b> 2   <b>Citations:</b> 31 <b>DOI:</b> 10.1007/s10661-014-3945-9	2014
<b>Evaluation of Landsat TM5 Multispectral Data for Automated Mapping of Surface Soil Texture and Organic Matter in GIS</b> <i>Zaheer Ahmed Javed Iqbal</i> <i>European Journal of Remote Sensing</i> , Volume 47, Pages 557-573 <b>Impact Factor:</b> 1.360   <b>Quartile:</b> 3   <b>Citations:</b> 40 <b>DOI:</b> 10.5721/EuJRS20144731	2014
<b>Using Remote Sensing and Soil Physical Properties for Predicting the Spatial Distribution of Cotton Lint Yield</b> <i>Javed Iqbal John J. Read Frank D. Whisler</i> <i>TURKISH JOURNAL OF FIELD CROPS</i> , TURKISH JOURNAL OF FIELD CROPS Volume: 18 Issue: 2 Pages: 158-165, 2013 <b>Impact Factor:</b> 0.641   <b>Quartile:</b> 3 <b>DOI:</b> -	2013

## Conference Proceedings

<b>Employing Open Geospatial Data and Techniques in Achieving Effective Flood Awareness and Decision Support</b> <i>Kamran Aslam Salman Atif Javed Iqbal Muhammad Ali Tahir</i> <i>2024 International Conference on Frontiers of Information Technology, FIT 2024</i> , res.country(177.) <b>Citations:</b> N/A <b>DOI:</b> 10.1109/FIT63703.2024.10838451	2024
<b>Flash flood susceptibility modeling for drainage basins of Dir Lower KhyberPakhtunkhwa: a comparative analysis of morphometric ranking and El-Shamy's approach</b> <i>javed iqbal Waqas Ahmad Muhammad Jamal Nasir</i> <i>The International Society for Optical Engineering</i> , res.country(233.) <b>Citations:</b> N/A <b>DOI:</b> https://doi.org/10.1117/12.2573062	2020

Book Chapters

<b>Studying Impact of Climate Change on Wheat Yield by Using DSSAT and GIS: A Case Study of Pothwar Region</b> <i>Mahwish Jabeen Hamza Farooq Gabriel Mukhtar Ahmed Muhammad Ahsan Mahboob Javed Iqbal</i> In: <i>Book on Quantification of Climate Variability, Adaptation and Mitigation for Agricultural Sustainability</i> , Chapter 16, Pages 387-411 <b>Citations:</b> N/A <b>DOI:</b> <a href="https://doi.org/10.1007/978-3-319-32059-5_16">https://doi.org/10.1007/978-3-319-32059-5_16</a>	2017
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Editorial Activities

<b>Heliyon</b> Reviewed Papers for Journals <b>Impact Factor:</b> 3.4	2024
<b>Kreuz und Auferstehung im Neuen Testament</b> Reviewed Papers for Journals <b>Impact Factor:</b> 1.7	2024
<b>Journal of Hydrology</b> Reviewed Papers for Journals <b>Impact Factor:</b> 4.7	2024
<b>Heliyon</b> Reviewed Papers for Journals <b>Impact Factor:</b> 3.4	2024
<b>Computers and Electronics in Agriculture</b> Reviewed Papers for Journals <b>Impact Factor:</b> 7.7	2023
<b>Remote Sensing Applications-Society and Environment</b> Reviewed Papers for Journals <b>Impact Factor:</b> N/A	2023
<b>Journal of Hydrology-Regional Studies</b> Reviewed Papers for Journals <b>Impact Factor:</b> 5.437	2022
<b>Journal of Electronic Imaging</b> Reviewed Papers for Journals <b>Impact Factor:</b> 0.829	2022
<b>Heliyon</b> Reviewed Papers for Journals <b>Impact Factor:</b> 3.776	2022
<b>3.776</b> Reviewed Papers for Journals <b>Impact Factor:</b> 3.776	2022
<b>Science of the Total Environment</b> Reviewed Papers for Journals <b>Impact Factor:</b> 10.753	2022
<b>Heliyon</b> Reviewed Papers for Journals <b>Impact Factor:</b> 3.776	2022
<b>Science of the Total Environment</b> Reviewed Papers for Journals <b>Impact Factor:</b> 10.754	2022
 Reviewed Papers for Journals <b>Impact Factor:</b> 3.37	2021
 Reviewed Papers for Journals	2021



<b>Impact Factor:</b> 7.963	
Reviewed Papers for Journals	2020
<b>Impact Factor:</b> 4.09	
Reviewed Papers for Journals	2019
<b>Impact Factor:</b> -	
Reviewed Papers for Journals	2019
<b>Impact Factor:</b> -	
Reviewed Papers for Journals	2019
Reviewed Papers for Journals	2019
<b>Impact Factor:</b> 1.344	
Reviewed Papers for Journals	2019
<b>Impact Factor:</b> 1.344	
Reviewed Papers for Journals	2018