

Irfan Ahmad Rana

Associate Professor
NUST Institute of Civil Engineering

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About

Dr. Irfan Ahmad Rana is working as Associate Professor in the NUST Institute of Civil Engineering. Dr. Irfan Ahmad Rana has a PhD in Disaster Risk Reduction And Climate Change Adaptation. Dr. Irfan Ahmad Rana has published 90 research articles & conference papers having a citation count of 2330, carried out 3 projects and filed 0 intellectual property.

Qualifications

PhD in Disaster Risk Reduction And Climate Change Adaptation Asian Institute of Technology, Thailand , Thailand	2014 - 2017
MS in Urban Planning Asian Institute of Technology, Thailand , Thailand	2012 - 2014
BSc in Urban Planning UET Lahore , Pakistan	2006 - 2010

Experience

Associate Professor NUST Institute of Civil Engineering	2025- Present
Assistant Professor NUST Institute of Civil Engineering	2024 - 2024
Assistant Professor NUST Institute of Civil Engineering	2023 - 2024
Assistant Professor NUST Institute of Civil Engineering	2022 - 2023
Assistant Professor NUST Institute of Civil Engineering.	2017 - 2022
Assistant Professor NUST Institute of Civil Engineering.	2017 - 2017
Assistant Director Lahore Development Authority , 467 J-II Johar Town, Main Boulevard Johar Town, Lahore	2010 - 2012

Awards

University Best Researcher Awards- 2021	2022
Overseas Scholarship Prog Higher Education Overseas Scholarship Award for Ms Leading PhD.	2017

Professional Memberships

PCATP	Since 2017
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Research Projects

National Projects

"Private Sector led Best Practices for Environmental Protection and Tackling the Issue of Climate Change in Pakistan"	2017
Funding Agency: HEC, NRPU	
Amount: PKR 2,315,000.00	
Status: Completed	
Assessing physical and infrastructural vulnerability to urban flooding: A Case study of Pakistan	2018
Funding Agency: HEC	
Amount: PKR 285,000.00	
Status: Completed	
Performance based seismic evaluation of existing high-rise buildings in pakistan	2018
Funding Agency: HEC	
Amount: PKR 450,500.00	
Status: Completed	

International Projects

Research Articles

Quantifying urban adaptation planning in flood-prone communities of Islamabad, Pakistan: An index-based approach	2025
Hassam Bin Waseem Irfan Ahmad Rana	
International Journal of Disaster Risk Reduction, Volume 128, Article Number 105762	
Impact Factor: 4.500 Quartile: 1	
DOI: https://doi.org/10.1016/j.ijdr.2025.105762	
A holistic approach for assesssing multidimensional adaptive capacity to floods: From conceptualization to empirical assessment	2025
Hassam Bin Waseem Irfan Ahmad Rana	
International Journal of Disaster Risk Reduction, Volume:128, Article Number 105729	
Impact Factor: 4.500 Quartile: 1	
DOI: 10.1016/j.ijdr.2025.105729	
Investigating the adaptation strategies and constraints in flood risk reduction of urban communities of Islamabad, Pakistan	2025
Hassam Bin Waseem Irfan Ahmad Rana	
Mitigation and Adaptation Strategies for Global Change, Volume:30, Issue:6, Article Number 51	
Impact Factor: 2.700 Quartile: 3	
DOI: https://doi.org/10.1007/s11027-025-10245-6	
Prerequisites for the adoption of nature-based solutions in local communities using the NbS Assessment Tool (NAT): A case study of Lahore, Pakistan	2025
Aimen Feroz Irfan Ahmad Rana	
Environmental Impact Assessment Review, Volume:115, Article Number 108066	
Impact Factor: 11.200 Quartile: 1	
DOI: https://doi.org/10.1016/j.eiar.2025.108066	
A meta-review of disaster research	2025
Hassam Bin Waseem Irfan Ahmad Rana	
Natural Hazards , Pages 1-34	
Impact Factor: 3.300 Quartile: 2	
DOI: 10.1007/s11069-025-07296-y	
Exploring needs, choices, and preferences of homebuyers in Islamabad, Pakistan	2024
Nida Naeem Irfan Ahmad Rana	
Journal of Property Research, Pages:19	
Impact Factor: 2.100 Quartile: 2 Citations: 2	
DOI: 10.1080/09599916.2023.2286244	
Multi-Phase Residential Fire Vulnerability Assessment	2024
Irfan Ahmad Rana Muhammad Awais Nisar Rida Hameed Lodhi Hassam Bin Waseem Adnan Nawaz Ayman Aslam Abdul Muqheet Shah	

<i>Fire Technology</i> , Pages 1-31	
Impact Factor: 2.300 Quartile: 2 Citations: 1	
DOI: https://doi.org/10.1007/s10694-024-01673-y	
A systematic review of urban terrorism literature: Root causes, thematic trends, and future directions	2024
<i>Muhammad Noor E Elahi Mirza Irfan Ahmad Rana</i>	
<i>Journal of Safety Science and Resilience</i> , Volume 5, Issue 3 , Pages 249-265	
Impact Factor: 3.70 Quartile: 1 Citations: 3	
DOI: https://doi.org/10.1016/j.jnlssr.2024.03.006	
Adaptation planning for climate change: An application of the advanced bibliometric analytical framework	2024
<i>Hassam Bin Waseem Muhammad Noor-E-Elahi Mirza Irfan Ahmad Rana Abdul Waheed</i>	
<i>Natural Hazards Research</i> , Volume 4, Issue 3, Pages 459-469	
Impact Factor: N/A Citations: 6	
DOI: https://doi.org/10.1016/j.nhres.2023.11.005	
Assessing the vulnerability of selected coastal informal settlements to floods in the Old Brahmaputra River floodplain, Bangladesh	2024
<i>Md. Bayezid Islam Tahmina Sultan Irfan Ahmad Rana Hassam Bin Waseem Pamela Murray-Tuite Tawatchai Tingsanchali Mahzabeen Mahfuz</i>	
<i>Urban Climate</i> , Volume 56 , Article Number 102078	
Impact Factor: 6.000 Quartile: 1 Citations: 6	
DOI: https://doi.org/10.1016/j.uclim.2024.102078	
Assessing smog risk perception in Lahore metropolitan: A survey-based analysis	2024
<i>Amna Ali Irfan Ahmad Rana</i>	
<i>Urban Climate</i> , Volume 56, Article Number 102080	
Impact Factor: 6.000 Quartile: 1 Citations: 2	
DOI: 10.1016/j.uclim.2024.102080	
Seismic evaluation of non-seismically detailed RC buildings in Pakistan: performance and damage accumulation under repeated earthquakes.	2024
<i>Saima Munir Fawad Ahmed Najam Asad ur Rahman Umair Jalil Malik Irfan Ahmad Rana Ather Ali</i>	
<i>Bulletin of Earthquake Engineering</i> , Volume: 22, Pages 4547–4579,	
Impact Factor: 4.600 Quartile: 1	
DOI: https://doi.org/10.1007/s10518-024-01935-8	
Assessing Multidimensional Vulnerability of Rural Areas to Flooding: An Index-Based Approach	2024
<i>Samavia Rasool Irfan Ahmad Rana Hassam Bin Waseem</i>	
<i>International Journal of Disaster Risk Science</i> , Volume 15, Pages 88-106	
Impact Factor: 4.00 Quartile: 1 Citations: 4	
DOI: 10.1007/s13753-024-00547-9	
A bibliometric and systematic review of the Methods for the Improvement of Vulnerability Assessment in Europe framework: A guide for the development of further multi-hazard holistic framework	2023
<i>Ali Jamshed Irfan Ahmad Rana Joern Birkmann Joanna McMillan Stefan Kienberger</i>	
<i>Jamba-Journal of Disaster Risk Studies</i> , Volume 15, No. 1, Article Number a1486	
Impact Factor: 1.300 Quartile: 2 Citations: 4	
DOI: 10.4102/jamba.v15i1.1486	
Exploring the role of social capital in flood risk reduction: Insights from a systematic review	2023
<i>Hassam Bin Waseem Muhammad Noor E Elahi Mirza Irfan Ahmad Rana</i>	
<i>Environmental Impact Assessment Review</i> , Volume:105, Article Number: 107390	
Impact Factor: 7.9 Quartile: 1 Citations: 16	
DOI: 10.1016/j.eiar.2023.107390	
Flood resilience assessment from the perspective of urban (in)formality in Surat, India: Implications for sustainable development	2023
<i>Ali Jamshed Chirag Patel Anshul Puriya Nimra Iqbal Irfan Ahmad Rana Joanna M. McMillan Rajiv Pandey Shahbaz Altaf Rana Tahir Mehmood Umair bin Saad</i>	
<i>Natural Hazards</i> , Pages 1-30	
Impact Factor: 3.7 Quartile: 2 Citations: 8	
DOI: https://doi.org/10.1007/s11069-023-06267-5	
Digital real estate: a review of the technologies and tools transforming the industry and society	2023

Nida Naeem Irfan Ahmad Rana Abdur Rehman Nasir

Smart Construction and Sustainable Cities, Volume: 01, Article Number: 15, Pages: 21

Impact Factor: N/A | Citations: 16

DOI: 10.1007/s44268-023-00016-0

A novel framework to assess multidimensional disaster resilience of children: From conceptualization to quantification

2023

Irfan Ahmad Rana Ihtisham Ul Haq Khan Niazi Zainab Khalid Adnan Nawaz Fawad Ahmed Najam

International Journal of Disaster Risk Reduction, Volume:96, Article Number: 103914

Impact Factor: 4.2 | Quartile: 1 | Citations: 4

DOI: 10.1016/j.ijdr.2023.103914

Actions, beliefs, and perceptions during COVID-19 lockdown: A comparative study of urban and rural communities of Rawalpindi, Pakistan

2023

Irfan Ahmad Rana Iqra Kamil Hassam Bin Waseem

International Journal of Disaster Risk Reduction, Volume:96, Article Number: 103918

Impact Factor: 5.0 | Quartile: 1

DOI: 10.1016/j.ijdr.2023.103918

Multi-hazard risk perception: An empirical study of the remote Gilgit city, Hindukush-Karakorum-Himalayan (HKH) region, Pakistan

2023

Syed Samad Shah Irfan Ahmad Rana Ather Ali

International Journal of Disaster Risk Reduction, Volume 96, Article Number 103996

Impact Factor: 5.0 | Quartile: 1 | Citations: 3

DOI: 10.1016/j.ijdr.2023.103996

Floods in Pakistan: A state-of-the-art review

2023

Hassam Bin Waseem Irfan Ahmad Rana

Natural Hazards Research, Volume:3, Issue:3, Page:359-373

Impact Factor: 0 | Citations: 56

DOI: 10.1016/j.nhres.2023.06.005

Monsoon flood risks in urban areas of Pakistan: A way forward for risk reduction and adaptation planning

2023

Azka Zia Irfan Ahmad Rana Hafiz Syed Hamid Arshad Zainab Khalid Adnan Nawaz

Journal of Environmental Management, Volume 336, Article Number 117652

Impact Factor: 8.910 | Quartile: 1 | Citations: 36

DOI: 10.1016/j.jenvman.2023.117652

Evacuation decision making and risk perception: flooded rural communities in Pakistan

2023

Abdul Muqeet Irfan Ahmad Rana Rida Hameed Lodhi Fawad Ahmed Najam Ather Ali

Environmental Hazards, Vol:23, No. 1, Pages:54-71

Impact Factor: 4.0 | Quartile: 2 | Citations: 9

DOI: 10.1080/17477891.2023.2220947

Multidimensional poverty vis-à-vis climate change vulnerability: Empirical evidence from flood-prone rural communities of Charsadda and Nowshera districts in Pakistan

2023

Irfan Ahmad Rana Muhammad Mubashir Khan Rida Hameed Lodhi Shahbaz Adnan Nawaz Fawad Ahmed Najam

World Development Sustainability, Volume 2, Article Number 100064

Impact Factor: N/A | Citations: 14

DOI: https://doi.org/10.1016/j.wds.2023.100064

The impact of psychological distance to climate change and urban informality on adaptation planning

2023

Irfan Ahmad Rana Hafiz Syed Hamid Arshad Ali Jamshed Zainab Khalid Zahid Irshad Younas Saad Saleem Bhatti Junaid Ahmad

Urban Climate, Volume 49, Article Number 101460

Impact Factor: 6.663 | Quartile: 1 | Citations: 13

DOI: 10.1016/j.uclim.2023.101460

Institutional challenges in reducing disaster risks in the remote city of Hindukush-Karakorum-Himalayan (HKH) region, Pakistan

2023

Syed Samad Shah Irfan Ahmad Rana

International Journal of Disaster Risk Reduction, Volume 88, Article Number 103581

Impact Factor: 4.842 | Quartile: 1 | Citations: 10

DOI: 10.1016/j.ijdr.2023.103581

Psychological resilience of children in a multi-hazard environment: An index-based approach <i>Ihtisham Ul Haq Khan Niazi Irfan Ahmad Rana Hafiz Syed Hamid Arshad Rida Hameed Lodhi Fawad Ahmed Najam Ali Jamshed</i> <i>International Journal of Disaster Risk Reduction</i> , Volume 83, Article Number 103397 Impact Factor: 4.842 Quartile: 1 Citations: 10 DOI: 10.1016/j.ijdr.2022.103397	2022
Climate change and glacial lake outburst flood (GLOF) risk perceptions: An empirical study of Ghizer District, Gilgit-Baltistan Pakistan <i>Atif Bilal Aslam Irfan Ahmad Rana Syed Samad Shah Ghulam Mohiuddin</i> <i>International Journal of Disaster Risk Reduction</i> , Volume 83, Article Number 103392 Impact Factor: 4.842 Quartile: 1 Citations: 12 DOI: 10.1016/j.ijdr.2022.103392	2022
Quantifying the role of social capital for enhancing urban resilience against climate crisis: Empirical evidence from formal and informal settlements of Pakistan <i>Maheen Shahid Irfan Ahmad Rana Ali Jamshed Fawad Ahmed Najam Ather Ali Ayman Aslam</i> <i>Cities</i> , Volume 130, Article Number 103851 Impact Factor: 6.077 Quartile: 1 Citations: 19 DOI: 10.1016/j.cities.2022.103851	2022
Estimation of Water Balance for Anticipated Land Use in the Potohar Plateau of the Indus Basin Using SWAT <i>Muhammad Idrees Shakil Ahmad Muhammad Wasif Khan Zakir Hussain Dahri Khalil Ahmad Muhammad Azmat Irfan Ahmad Rana</i> <i>Remote Sensing</i> , Volume 14(21), Article Number 5421 Impact Factor: 5.349 Quartile: 1 Citations: 11 DOI: https://doi.org/10.3390/rs14215421	2022
Gendered mode choice preferences and characteristics for educational trips in Abbottabad, Pakistan: An empirical investigation <i>Rida Hameed Lodhi Irfan Ahmad Rana Abdul Waheed</i> <i>Case Studies on Transport Policy</i> , Volume 10, Issue 4, Pages 2102-2110 Impact Factor: N/A Citations: 7 DOI: https://doi.org/10.1016/j.cstp.2022.09.010	2022
A localized index-based approach to assess heatwave vulnerability and climate change adaptation strategies: A case study of formal and informal settlements of Lahore, Pakistan <i>Irfan Ahmad Rana Laila Sikander Zainab Khalid Adnan Nawaz Fawad Ahmed Najam Sibghat Ullah Khan Ayman Aslam</i> <i>Environmental Impact Assessment Review</i> , Volume 96, Article Number 106820 Impact Factor: 4.549 Quartile: 2 Citations: 33 DOI: 10.1016/j.eiar.2022.106820	2022
Three-step neural network approach for predicting monsoon flood preparedness and adaptation: Application in urban communities of Lahore, Pakistan <i>Dr. Irfan Ahmad Rana Rida Hameed Lodhi Azka Zia Ali Jamshed Adnan Nawaz</i> <i>Urban Climate</i> , Volume 45, Article Number 101266 Impact Factor: 6.663 Quartile: 1 Citations: 30 DOI: 10.1016/j.uclim.2022.101266	2022
Flood risk perception and communication: The role of hazard proximity <i>Asher Ali Irfan Ahmad Rana Ather Ali Fawad Ahmed Najam</i> <i>Journal of Environmental Management</i> , Volume 316, Article Number 115309 Impact Factor: 6.789 Quartile: 1 Citations: 32 DOI: 10.1016/j.jenvman.2022.115309	2022
Social protection in disaster risk reduction and climate change adaptation: A bibliometric and thematic review <i>Dr. Irfan Ahmad Rana Sifullah Khaled Adnan Nawaz Ali Jamshed</i> <i>Journal of Integrative Environmental Sciences</i> , Pages 1-19 Impact Factor: 3.143 Quartile: 3 Citations: 32 DOI: 10.1080/1943815X.2022.2108458	2022
Assessing the perceived spatial extent of a flood using cognitive mapping: a case study of rural communities along Indus and Chenab Rivers, Pakistan <i>Samavia Rasool Irfan Ahmad Rana Hafiz Syed Hamid Arshad</i> <i>Modeling Earth Systems and Environment</i> , Pages 1-16	2022

<p>Impact Factor: N/A Citations: 3 DOI: 10.1007/s40808-022-01442-2</p>	
<p>A systematic analysis of worldwide disasters, epidemics and pandemics associated mortality of 210 countries for 15 years (2001–2015)</p> <p><i>Junaid Ahmad Mokbul Morshed Ahmad Zhaohui Su Irfan Ahmad Rana Asif Rehman Haleema Sadia</i> <i>International Journal of Disaster Risk Reduction</i>, Volume 76, Article Number 103001</p> <p>Impact Factor: 4.320 Quartile: 1 Citations: 8 DOI: 10.1016/j.ijdr.2022.103001</p>	2022
<p>The impact of risk perception on earthquake preparedness: An empirical study from Rawalakot, Pakistan</p> <p><i>Usama Bin Naseem Kiani Fawad Ahmed Najam Irfan Ahmad Rana</i> <i>International Journal of Disaster Risk Reduction</i>, Volume 76, Article Number 102989</p> <p>Impact Factor: 4.320 Quartile: 1 Citations: 19 DOI: 10.1016/j.ijdr.2022.102989</p>	2022
<p>Relationship of Residential Location Choice with Commute Travels and Socioeconomics in the Small Towns of South Asia: The Case of Hafizabad, Pakistan</p> <p><i>Houshmand Masoumi Atif Bilal Aslam Irfan Ahmad Rana Muhammad Ahmad Nida Naeem</i> <i>Sustainability</i>, Volume 14(6), Article Number 3163</p> <p>Impact Factor: 3.251 Quartile: 2 Citations: 5 DOI: 10.3390/su14063163</p>	2022
<p>The use of local climate zones in the urban environment: A systematic review of data sources, methods, and themes</p> <p><i>Ayman Aslam Irfan Ahmad Rana</i> <i>Urban Climate</i>, Volume 42, Article Number 101120</p> <p>Impact Factor: 5.731 Quartile: 1 Citations: 90 DOI: https://doi.org/10.1016/j.uclim.2022.101120</p>	2022
<p>Linking flood risk perceptions and psychological distancing to climate change: A case study of rural communities along Indus and Chenab rivers, Pakistan</p> <p><i>Samavia Rasool Irfan Ahmad Rana Shakil Ahmad</i> <i>International Journal of Disaster Risk Reduction</i>, Volume 70, Article Number 102787</p> <p>Impact Factor: 4.320 Quartile: 1 Citations: 20 DOI: 10.1016/j.ijdr.2022.102787</p>	2022
<p>Local climate zones and its potential for building urban resilience: a case study of Lahore, Pakistan</p> <p><i>Ayman Aslam Irfan Ahmad Rana Saad Saleem Bhatti</i> <i>International Journal of Disaster Resilience in the Built Environment</i>, Pages 1-18</p> <p>Impact Factor: N/A Citations: 9 DOI: 10.1108/IJDRBE-08-2021-0116</p>	2022
<p>Impact of the built environment on climate change risk perception and psychological distancing: Empirical evidence from Islamabad, Pakistan</p> <p><i>Ayman Aslam Irfan Ahmad Rana</i> <i>Environmental Science and Policy</i>, Volume 127, Pages 228-240</p> <p>Impact Factor: 5.581 Quartile: 1 Citations: 20 DOI: 10.1016/j.envsci.2021.10.024</p>	2022
<p>The spatiotemporal dynamics of urbanisation and local climate: A case study of Islamabad, Pakistan</p> <p><i>Ayman Aslam Irfan Ahmad Rana Saad Saleem Bhatti</i> <i>Environmental Impact Assessment Review</i>, Volume 91, Article Number 106666</p> <p>Impact Factor: 4.549 Quartile: 2 Citations: 43 DOI: https://doi.org/10.1016/j.eiar.2021.106666</p>	2021
<p>An approach to understanding the intrinsic complexity of resilience against floods: Evidences from three urban communities of Pakistan</p> <p><i>Irfan Ahmad Rana Saad Saleem Bhatti Ali Jamshed Shakil Ahmad</i> <i>International Journal of Disaster Risk Reduction</i>, Volume 63, Article Number 102442</p> <p>Impact Factor: 4.842 Quartile: 1 DOI: 10.1016/j.ijdr.2021.102442</p>	2021
<p>Determinants of transportation sustainability in universities of Islamabad, Pakistan</p>	2021

<p><i>Muhammad Hamza Baig Abdul Waheed Irfan Ahmad Rana Kulsoom Abbas</i> <i>International Journal of Sustainability in Higher Education</i>, Pages 1-17</p> <p>Impact Factor: 4.120 Quartile: 1 Citations: 4 DOI: 10.1108/IJSHE-07-2020-0273</p>	
<p>Holistic Multidimensional Vulnerability Assessment: An empirical investigation on rural communities of the Hindu Kush Himalayan region, Northern Pakistan</p> <p><i>Zainab Khalid Xingmin Meng Irfan Ahmad Rana Mohib ur Rehman Xiaojun Su</i> <i>International Journal of Disaster Risk Reduction</i>, Volume 62, Article Number 102413</p> <p>Impact Factor: 4.842 Quartile: 1 Citations: 28 DOI: 10.1016/j.ijdrr.2021.102413</p>	2021
<p>Disaster management cycle and its application for flood risk reduction in urban areas of Pakistan</p> <p><i>Irfan Ahmad Rana Muhammad Asim Atif Bilal Aslam Ali Jamshed</i> <i>Urban Climate</i> , Volume 38, Article Number 100893</p> <p>Impact Factor: 6.663 Quartile: 1 Citations: 76 DOI: 10.1016/j.uclim.2021.100893</p>	2021
<p>An index-based approach for understanding gender preferences in active commuting: A case study of Islamabad, Pakistan</p> <p><i>Muhammad Hamza Baig Irfan Ahmad Rana Abdul Waheed</i> <i>Case Studies on Transport Policy</i>, Volume 9, Issue 2, Pages 600-607</p> <p>Impact Factor: 0 Citations: 2 DOI: 10.1016/j.cstp.2021.02.014</p>	2021
<p>COVID-19 risk perception and coping mechanisms: Does gender make a difference?</p> <p><i>Irfan Ahmad Rana Saad Saleem Bhatti Atif Bilal Aslam Ali Jamshed Junaid Ahmad Ashfaq Ahmad Shah</i> <i>International Journal of Disaster Risk Reduction</i>, Volume 55, Article Number 102096</p> <p>Impact Factor: 4.842 Quartile: 1 Citations: 138 DOI: 10.1016/j.ijdrr.2021.102096</p>	2021
<p>Determinants of people's seismic risk perception: A case study of Malakand, Pakistan</p> <p><i>Muhammad Irshad Qureshi Sibghat Ullah Khan Irfan Ahmad Rana Babar Ali Asad ur Rahman</i> <i>International Journal of Disaster Risk Reduction</i>, Volume 55, Article Number 102078</p> <p>Impact Factor: 4.842 Quartile: 1 Citations: 22 DOI: 10.1016/j.ijdrr.2021.102078</p>	2021
<p>An Updated Earthquake Catalogue and Source Model for Seismic Hazard Analysis of Pakistan</p> <p><i>Asad ur Rahman Atif Rasheed Fawad Ahmed Najam Saeed Zaman Irfan Ahmad Rana Faheem Aslam Sibghat Ullah Khan</i> <i>Arabian Journal for Science and Engineering</i>, Pages 1-23</p> <p>Impact Factor: 2.807 Quartile: 2 Citations: 8 DOI: https://doi.org/10.1007/s13369-021-05439-4</p>	2021
<p>An updated probabilistic seismic hazard assessment (PSHA) for Pakistan</p> <p><i>Asad ur Rahman Fawad Ahmed Najam Saeed Zaman Atif Rasheed Irfan Ahmad Rana</i> <i>Bulletin of Earthquake Engineering</i> , Pages 1-38</p> <p>Impact Factor: 4.556 Quartile: 1 Citations: 17 DOI: https://doi.org/10.1007/s10518-021-01054-8</p>	2021
<p>Assessing school safety against natural and human-made hazards: A case study of Gilgit city, Pakistan</p> <p><i>Awais Ali Khan Irfan Ahmad Rana Fawad Ahmed Najam</i> <i>Journal of Geography and Social Sciences</i>, Volume 2(2), Pages 133-147</p> <p>Impact Factor: 0 DOI: N.A.</p>	2020
<p>Tourism and Disasters: A Systematic Review from 2010–2019</p> <p><i>Nida Naeem Irfan Ahmad Rana</i> <i>Journal of Extreme Events</i> , Volume 7(1-2), Article Number 2030001</p> <p>Impact Factor: 0 DOI: 10.1142/S234573762030001X</p>	2020
<p>Disaster and climate change resilience: A bibliometric analysis</p> <p><i>Irfan Ahmad Rana</i> <i>International Journal of Disaster Risk Reduction</i>, Volume 50, Article Number 101839</p> <p>Impact Factor: 4.320 Quartile: 1 Citations: 99</p>	2020

DOI: 10.1016/j.ijdr.2020.101839	
The effect of spatial proximity to cities on rural vulnerability against flooding: An indicator based approach <i>Ali Jamshed Joern Birkmann Irfan Ahmad Rana Danial Feldmeyer</i> <i>Ecological Indicators</i> , Volume 118, Article Number 106704 Impact Factor: 4.958 Quartile: 2 Citations: 41 DOI: 10.1016/j.ecolind.2020.106704	2020
Gender-based emergency preparedness and awareness: empirical evidences from high-school students of Gilgit, Pakistan <i>Awais Ali Khan Irfan Ahmad Rana Adnan Nawaz Abdul Waheed</i> <i>Environmental Hazards</i> , Pages 1-16 Impact Factor: 1.827 Quartile: 4 Citations: 20 DOI: 10.1080/17477891.2020.1839375	2020
The relevance of city size to the vulnerability of surrounding rural areas: An empirical study of flooding in Pakistan <i>Ali Jamshed Joern Birkmann Irfan Ahmad Rana Joanna M. McMillan</i> <i>International Journal of Disaster Risk Reduction</i> , Volume 48, Article Number 101601 Impact Factor: 4.320 Quartile: 1 Citations: 46 DOI: 10.1016/j.ijdr.2020.101601	2020
How do rural-urban linkages change after an extreme flood event? Empirical evidence from rural communities in Pakistan <i>Irfan Ahmad Rana Ali Jamshed Joern Birkmann Joanna McMillan Daniel Feldmeyer Holger Sauter</i> <i>Science of the Total Environment</i> , Volume 750, Article Number 141462 Impact Factor: 7.963 Quartile: 1 Citations: 40 DOI: 10.1016/j.scitotenv.2020.141462	2020
Characterizing flood risk perception in urban communities of Pakistan <i>Irfan Ahmad Rana Ali Jamshed Zahid Irshad Younas Saad Saleem Bhatti</i> <i>International Journal of Disaster Risk Reduction</i> , Volume 46, Article Number 101624 Impact Factor: 4.320 Quartile: 1 Citations: 85 DOI: 10.1016/j.ijdr.2020.101624	2020
Effectiveness of flood early warning system from the perspective of experts and three affected communities in urban areas of Pakistan <i>Irfan Ahmad Rana Saad Saleem Bhatti Ali Jamshed</i> <i>Environmental Hazards</i> , Volume 19, Pages 1-21 Impact Factor: 1.827 Quartile: 4 Citations: 30 DOI: 10.1080/17477891.2020.1751031	2020
A Conceptual Framework to Understand the Dynamics of Rural–Urban Linkages for Rural Flood Vulnerability <i>Ali Jamshed Joern Birkmann Daniel Feldmeyer Irfan Ahmad Rana</i> <i>Sustainability</i> , Volume 12, Issue 7, Article Number 2894 Impact Factor: 3.251 Quartile: 2 Citations: 54 DOI: 10.3390/su12072894	2020
Gender-based approach for assessing risk perception in a multi-hazard environment: A study of high schools of Gilgit, Pakistan <i>Adnan Nawaz Awais Ali Khan Irfan Ahmad Rana</i> <i>International Journal of Disaster Risk Reduction</i> , Volume 44, Article Number 101427 Impact Factor: 4.320 Quartile: 1 Citations: 62 DOI: 10.1016/j.ijdr.2019.101427	2020
Seismic vulnerability assessment of building stock of Malakand (Pakistan) using FEMA P-154 method <i>Sibghat Ullah Khan Muhammad Irshad Qureshi Ahsen Maqsoom Sibghat Ullah Khan Muhammad Irshad Qureshi Irfan Ahmad Rana Ahsen Maqsoom</i> <i>SN Applied Sciences</i> , Volume: 1, Issue: 12, Article Number: 1625 Impact Factor: 0 Citations: 24 DOI: 10.1007/s42452-019-1681-z	2019
An empirical relationship between seismic risk perception and physical vulnerability: A case study of Malakand, Pakistan <i>Sibghat Ullah Khan Muhammad Irshad Qureshi Irfan Ahmad Rana Ahsen Maqsoom</i>	2019

Impact Factor: 2.896 | **Quartile:** 2 | **Citations:** 30

DOI: 10.1016/j.ijdr.2019.101317

Building community resilience in post-disaster resettlement in Pakistan

2019

Ali Jamshed Irfan Ahmad Rana Joanna M. McMillan, Joern Birkmann

International Journal of Disaster Resilience in the Built Environment, Volume 10, Issue 4, Pages 301-315, Special Issue SI

Impact Factor: 0 | **Citations:** 29

DOI: 10.1108/IJDRBE-06-2019-0039

Spatiotemporal dynamics of development inequalities in Lahore City Region, Pakistan

2019

Irfan Ahmad Rana Jayant K. Routray Zahid Irshad Younas

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