Takreem Haider

Assistant Professor

College of Electrical & Mechanical Engineering

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Contact:



About

Dr. Takreem Haider is working as Assistant Professor in the College of Electrical & Mechanical Engineering. Dr. Takreem Haider has a PhD in Mathematics Cryptography. Dr. Takreem Haider has published 8 research articles & conference papers having a citation count of 106, carried out 0 projects and filed 0 intellectual property.

Qualifications

PhD in Mathematics Cryptography	2019 - 2024
Quaid-i-Azam University , Pakistan	
MPhil in Mathematics Data Science	2016 - 2018
Quaid-i-Azam University , Pakistan	
MSc in Mathematics	2013 - 2015
University of the Punjab , Pakistan	
Experience	
Assistant Professor	2024- Present
College of Electrical & Mechanical Engineering	
Research Scholar	2023 - 2023

Indiana University Bloomington , Luddy School of Informatics, Computing, and Engineering

Research Articles

Impact Factor: 2.894 | Quartile: 2 | Citations: 38 DOI: 10.1016/j.apgeochem.2018.08.016

An Efficient S-Box Generation With Mutation Optimization for Secure Image Encryption	2025
Takreem Haider Aqeel Ejaz Ghulam Murtaza Naveed Ahmed Aza Umar Hayat	
Security and Privacy, Volume:8, Issue4, Article Number: e70068, Pages:	
Impact Factor: 2.1 Quartile: 3	
DOI: https://doi.org/10.1002/spy2.70068	
An optimized watermarking scheme based on genetic algorithm and elliptic curve	2024
Takreem Haider Naveed Ahmed Azam Umar Hayat	
Swarm and Evolutionary Computation, Volume 91, Article Number 101723	
Impact Factor: 8.200 Quartile: 1 Citations: 2	
DOI: https://doi.org/10.1016/j.swevo.2024.101723	
Substitution box generator with enhanced cryptographic properties and minimal computation time	2024
Takreem Haider Naveed Ahmed Azam Umar Hayat	
Expert Systems with Applications, Volume 241, Article Number 122779	
Impact Factor: 8.5 Quartile: 1 Citations: 20	
DOI: 10.1016/j.eswa.2023.122779	
A novel pseudo-random number generator based on multivariable optimization for image-	2024
cryptographic applications	
Takreem Haider Saúl A. Blanco Umar Hayat	
Expert Systems with Applications, Volume 240, Article Number 122446	
Impact Factor: 8.5 Quartile: 1 Citations: 10	
DOI: 10.1016/j.eswa.2023.122446	
A Novel Image Encryption Scheme Based on ABC Algorithm and Elliptic Curves	2023
Takreem Haider Naveed Ahmed Azam Umar Hayat	
Arabian Journal for Science and Engineering, Volume 48, Issue 8, Pages 9827-9847	
Impact Factor: 2.9 Quartile: 2 Citations: 9	
DOI: 10.1007/s13369-022-07383-3	
An Efficient and Secure Cryptographic Algorithm Using Elliptic Curves and Max-Plus Algebra-Based	2023
Wavelet Transform Talyzaan Haiday Kanna Abdul Catter Umay Hayat Miryad D. Bystomanta	
Takreem Haider Kanza Abdul Sattar Umar Hayat Miguel D. Bustamante	
Applied Sciences, Volume 13, Issue 14, Article Number 8385	
Impact Factor: 2.7 Quartile: 2 Citations: 7	
DOI: 10.3390/app13148385	
Identification of radon anomalies induced by earthquake activity using intelligent systems	2021
Takreem Haider Adnan Barkat Umar Hayat Aamir Ali Muhammad Awais Aftab Alam Khaista Rehman Muhammad Ali Shah	
Journal of Geochemical Exploration, Volume 222, Article Number 106709	
Impact Factor: 4.166 Quartile: 2 Citations: 20	
DOI: 10.1016/j.gexplo.2020.106709	
Time series analysis of soil radon in Northern Pakistan: Implications for earthquake forecasting	2018
Takreem Haider Adnan Barkat Aamir Ali Umar Hayat Quentin G. Crowley Khaista Rehman Naila Siddique Talat Iqbal	
Applied Geochemistry, Volume 97, Pages 197-208	

Editorial Activities

Applied Soft Computing Journal	2025
Reviewed Papers for Journals	
Impact Factor: 7.2	
Applied Soft Computing Journal	2025
Reviewed Papers for Journals	
Impact Factor: 7.2	
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Impact Factor: 7.2	
Applied Soft Computing	2025
Reviewed Papers for Journals	
Impact Factor: 7.2	
	2024
Reviewed Papers for Journals	
Impact Factor: 3.8	
Journal of Cloud Computing	2024
Reviewed Papers for Journals	
Impact Factor: 3.7	
Information Sciences	2024
Reviewed Papers for Journals	
Impact Factor: 8.1	
Telecommunication Systems	2024
Reviewed Papers for Journals	
Impact Factor: 2.5	