

Sana Qadir

Assistant Professor

School of Electrical Engineering and Computer Science

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About

Dr. Sana Qadir is working as Assistant Professor in the School of Electrical Engineering and Computer Science. Dr. Sana Qadir has a PhD in Information Security. Dr. Sana Qadir has published 21 research articles & conference papers having a citation count of 20, carried out 1 projects and filed 0 intellectual property.

Qualifications

PhD in Information Security	2010 - 2016
International Islamic University , Malaysia	
MSc in Information Security	2005 - 2010
International Islamic University , Malaysia	
BS in Applied Computer Science	1998 - 2002
University of Southern Queensland , Australia	

Experience

Assistant Professor	2023- Present
School of Electrical Engineering and Computer Science	
Assistant Professor	2020 - 2020
School of Electrical Engineering and Computer Science	
Assistant Professor	2019 - 2020
School of Electrical Engineering and Computer Science	
R & D Software Engineer	2015 - 2019
Wilowglen MSC Berhad , No. 17, Jalan 2/149B, Taman Sri Endah, Bandar Baru Sri Petaling, 57000 Kuala Lumpur, Malaysia	
Teacher	2011 - 2015
Fairview International School KL Campus (FISKL) , 4178, Jalan 1/27D, Section 6, Wangsa Maju, 53300 Kuala Lumpur. Malaysia.	

Awards

Outstanding Achievement	2002
Bachelors of Information Technology (with Distinction). Dean’s Award for Outstanding Achievement. University of Southern Queensland, Australia	

Research Projects

National Projects	
Development of Prototype for AI-based Detection of Malware	2022
Funding Agency: National University of Sciences and Technology (NUST)	
Amount: PKR 1,000,000.00	
Status: Completed	

International Projects

Research Articles

Lightweight and Robust Android Ransomware Detection Using Behavioral Analysis and Feature Reduction	2025
Mehdi Hussain Qaiser Riaz Sana Qadir Naveed Riaz Muhammad Sibtain Ki-Hyun Jung	
Computers, Materials & Continua , Pages 1-23	

<b>Impact Factor:</b> 1.700   <b>Quartile:</b> 3 <b>DOI:</b> <a href="https://doi.org/10.32604/cmc.2025.066198">https://doi.org/10.32604/cmc.2025.066198</a>	
<b>Comparative evaluation of approaches &amp; tools for effective security testing of Web applications</b> <i>Sana Qadir Eman Waheed Aisha Khanum Seema Jehan</i> <i>PeerJ Computer Science</i> , Volume 11, Article Number e2821 <b>Impact Factor:</b> 3.500   <b>Quartile:</b> 1 <b>DOI:</b> 10.7717/peerj-cs.2821	2025
<b>Performance-Oriented and Sustainability-Oriented Design of an Effective Android Malware Detector</b> <i>Sana Qadir Amna Naeem Mehdi Hussain Huma Ghafoor AISHA HASSAN ABDALLA HASHIM</i> <i>IEEE Access</i> , Volume: 12, Page(s):159036-159055 <b>Impact Factor:</b> 3.4   <b>Quartile:</b> 2   <b>Citations:</b> 1 <b>DOI:</b> 10.1109/ACCESS.2024.3486094	2024
<b>Effective and Efficient Android Malware Detection and Category Classification Using the Enhanced KronoDroid Dataset</b> <i>Mudassir Waheed Sana Qadir</i> <i>Security and Communication Networks</i> , Volume 2024, Article ID 7382302, 13 pages <b>Impact Factor:</b> 0 <b>DOI:</b> 10.1155/2024/7382302	2024
<b>Machine Learning and Deep Learning Based Model for the Detection of Rootkits Using Memory Analysis</b> <i>Basirah Noor Sana Qadir</i> <i>Applied Sciences</i> , Volume: 13, Issue: 19, Article Number:10730 <b>Impact Factor:</b> 2.7   <b>Quartile:</b> 2   <b>Citations:</b> 2 <b>DOI:</b> 10.3390/app131910730	2023
<b>An Evaluation Framework For Digital Image Forensics Tools</b> <i>Zainab Khalid Sana Qadir</i> <i>Journal of Digital Forensics Security and Law</i> , Volume 17, Article Number 4 <b>Impact Factor:</b> 0 <b>DOI:</b> <a href="https://commons.erau.edu/jdfsl/vol17/iss2/4">https://commons.erau.edu/jdfsl/vol17/iss2/4</a>	2022
<b>Forensic Analysis of Tor Browser on Windows 10 and Android 10 Operating Systems</b> <i>Muhammad Raheel Arshad Mehdi Hussain Hasan Tahir Sana Qadir Faraz Iqbal Ahmed Memon Yousra Javed</i> <i>IEEE Access</i> , Volume 9, Pages 141273-141294 <b>Impact Factor:</b> 3.367   <b>Quartile:</b> 2   <b>Citations:</b> 17 <b>DOI:</b> 10.1109/ACCESS.2021.3119724	2021
<b>Analyzing and improving the performance and security of the Cryptographically Generated Address algorithm for Mobile IPv6 networks</b> <i>Sana Qadir Mohammad Umar Siddiqi Wajdi F. M. Al-Khateeb</i> <i>International Journal of Network Security</i> , Volume 17(5), Pages 535-547. <b>Impact Factor:</b> N/A <b>DOI:</b> n/a	2015
<b>An Investigation of the Merkle Signature Scheme for use in CGA Signatures</b> <i>Sana Qadir Mohammad Umar Siddiqi Wajdi F. M. Al-Khateeb</i> <i>International Journal of Network Security</i> , Volume 17(3), Pages 311-321 <b>Impact Factor:</b> N/A <b>DOI:</b> n/a	2015
<b>Cryptographically Generated Addresses (CGAs): a survey and an analysis of performance for use in mobile environment</b> <i>Sana Qadir Mohammad Umar Siddiqi</i> <i>International Journal of Computer Science and Network Security</i> , Volume 11(2), Pages 24-31 <b>Impact Factor:</b> N/A <b>DOI:</b> n/a	2011
<b>Performance Evaluation of a Secure Low Level Reader Protocol (LLRP) Connection</b> <i>Sana Qadir Mohammad Umar Siddiqi</i> <i>International Journal of Computer Science and Network Security</i> , Volume 9(3), Pages 40-49 <b>Impact Factor:</b> N/A	2009

DOI: n/a

Conference Proceedings

<p><b>Machine Learning-based Detection of IoT Malware using System Call Data</b></p> <p><i>Inshal Tahir Sana Qadir</i></p> <p>2024 4th International Conference on Digital Futures and Transformative Technologies (ICoDT2), res.country(177,)</p> <p>Citations: N/A</p> <p>DOI: 10.1109/ICoDT262145.2024.10740237</p>	2024
<p><b>Physical Layer Security in Intelligent Reflecting Surface-Enabled Small NOMA IoT Network</b></p> <p><i>Haleema Sadia Hafsa Iqbal Sana Qadir</i></p> <p>11th International Conference on Wireless Networks and Mobile Communications, res.country(260,)</p> <p>Citations: N/A</p> <p>DOI: 979-8-3503-7786-6/24/\$31.00©2024 IEEE</p>	2024
<p><b>OWASP-Based Assessment of Web Application Security</b></p> <p><i>Aisha Khanum Sana Qadir Seema Jehan</i></p> <p>International Conference on Emerging Technologies (ICET), res.country(177,)</p> <p>Citations: N/A</p> <p>DOI: Nil</p>	2023
<p><b>Security and Usability Analysis of Online Banking Applications in Pakistan</b></p> <p><i>Muneeba Darwaish Sana Qadir</i></p> <p>2022 19th International Bhurban Conference on Applied Sciences and Technology (IBCAST), res.country(282,)</p> <p>Citations: N/A</p>	2022
<p><b>Blockchain: Decentralization and CyberSecurity Risks</b></p> <p><i>Ayesha Mansha Hassan Azwar Sana Qadir</i></p> <p>10th International Conference on Green and Human Information Technology, res.country(259,)</p> <p>Citations: N/A</p> <p>DOI: Nil</p>	2022
<p><b>Cyber Security and Data protection — Information obfuscation in Mobile devices</b></p> <p><i>Ayesha Mansha Hassan Azwar Sana Qadir</i></p> <p>10th International Conference on Green and Human Information Technology, res.country(259,)</p> <p>Citations: N/A</p> <p>DOI: Nil</p>	2022
<p><b>Applications of Machine Learning in Digital Forensics</b></p> <p><i>Sana Qadir Basirah Noor</i></p> <p>2021 International Conference on Digital Futures &amp; Transformative Technologies (ICoDT2), res.country(177,)</p> <p>Citations: N/A</p> <p>DOI: 10.1109/ICoDT252288.2021.9441543</p>	2021
<p><b>An investigation of CGA-based Authentication for Mobile IPv6</b></p> <p><i>Sana Qadir Mohammad Umar Siddiqi</i></p> <p>5th International Conference on Computer and Communication Engineering (ICCCCE'2014), res.country(157,)</p> <p>Citations: N/A</p> <p>DOI: 10.1109/ICCCCE.2014.91</p>	2014
<p><b>A study of CGA- Signature based authentication of Binding Update messages in low-end MIPv6 node</b></p> <p><i>Sana Qadir Mohammad Umar Siddiqi Farhat Anwar</i></p> <p>4th International Conference on Computer and Communication Engineering (ICCCCE'2012), res.country(157,)</p> <p>Citations: N/A</p> <p>DOI: 10.1109/ICCCCE.2012.6271239</p>	2012
<p><b>Securing a Low Level Reader Protocol and a Study of its Performance</b></p> <p><i>Sana Qadir Mohammad Umar Siddiqi</i></p> <p>International Conference on Future Computer and Communication (ICFCC 2009), res.country(157,)</p> <p>Citations: N/A</p> <p>DOI: 10.1109/ICFCC.2009.111</p>	2009

Editorial Activities

<b>Informatics</b> Reviewed Papers for Journals <b>Impact Factor:</b> 3.4	2024
<b>N/A</b> Reviewed Papers for Journals <b>Impact Factor:</b> N/A	2024
<b>N/A</b> Reviewed Papers for Journals <b>Impact Factor:</b> N/A	2024
<b>Journal of Risk and Financial Management</b> Reviewed Papers for Journals <b>Impact Factor:</b> N/A	2024
<b>N/A</b> Reviewed Papers for Journals <b>Impact Factor:</b> N/A	2024
<b>Journal of Theoretical and Applied Electronic Commerce Research</b> Reviewed Papers for Journals <b>Impact Factor:</b> 5.1	2024
<b>IEEE Transactions on Cybernetics</b> Reviewed Papers for Journals <b>Impact Factor:</b> 9.4	2024
<b>Informatics</b> Reviewed Papers for Journals <b>Impact Factor:</b> 3.4	2024
<b>N/A</b> Reviewed Papers for Journals <b>Impact Factor:</b> N/A	2024
<b>N/A</b> Reviewed Papers for Journals <b>Impact Factor:</b> N/A	2024
<b>N/A</b> Reviewed Papers for Journals <b>Impact Factor:</b> N/A	2024
<b>N/A</b> Reviewed Papers for Journals <b>Impact Factor:</b> N/A	2024
<b>N/A</b> Reviewed Papers for Journals <b>Impact Factor:</b> N/A	2024
<b>N/A</b> Reviewed Papers for Journals <b>Impact Factor:</b> N/A	2024
<b>N/A</b> Reviewed Papers for Journals <b>Impact Factor:</b> NA	2022
<b>N/A</b> Reviewed Papers for Journals <b>Impact Factor:</b> NA	2022