



Mohd Waris Khan, Ph.D., M.Phil.

**Associate Professor, Department of Computer Application, Faculty of Engineering,
Integral University, Lucknow**

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[Google Scholar Citation](#) | [Orcid Id](#) | [Scopus](#) | [Web of Science](#) | [Research Gate](#) | [Linkedin](#)

PROFILE

- **Teaching and Research Experience:** I have accumulated more than **ten years of experience** in teaching and research within the field of Computer Science and Information Technology.
- **Professional Experience:** Associate Professor, Department of Computer Application, Integral University, Lucknow, Uttar Pradesh, India, **1 August 2026 – Present**.
Assistant Professor, Department of Computer Application, Integral University, Lucknow, Uttar Pradesh, India, **29 January 2020 – 31 July 2026**.
- **Academic Experience:** I served as an Assistant Professor (Resource Person) at Babasaheb Bhimrao Ambedkar University, Lucknow, Uttar Pradesh, India, for **one year**.
- **Research Project:** I successfully completed a three-year UPST-funded project under the Young Scientist Scheme in the area of Software Ergonomics entitled “Analysis of the Impact of Ergonomic Deficiencies in Computer Workstations at Government Offices of Uttar Pradesh State.”
- **Research Focus:** My research focuses on various areas, including Cyber Security, Information Technology, Software Engineering, Requirement Engineering, Security testing and healthcare applications.
- **Publications:** I have published **more than 70 articles** in peer-reviewed journals and conferences.
- **Doctoral Degree:** I completed my **Ph.D. in Information Technology** in 2019 at Babasaheb Bhimrao Ambedkar University (A Central University), Lucknow, U.P., India. Successfully completed the Ph.D. course work examination in 2014 as per the 2009 UGC guidelines, securing an SGPA of 8.25.
- **Postgraduate Degrees:** I hold an **M.Phil. degree in Computer Science** from Dr. C.V. Raman University, Kota, CG, India and **M.Sc. in Information Technology** from Babasaheb Bhimrao Ambedkar University (A Central University), Lucknow, U.P., India.

RESEARCH INTEREST:

- Information Technology
- Cyber Law and Internet Security
- Security Engineering
- Cloud Computing
- Security Testing
- Security Design
- Healthcare Data Security

SUMMARY OF RESEARCH ACCOMPLISHMENT:

- Number of Publications in SCI Indexed Journals: 04
- Number of Publications in Scopus Indexed Journals/Conferences: 21
- Number of Publications in Non-Sci/Scopus but Peer: 12
- Number of Publications in International Conferences: 17
- Number of Publications in National/International Conferences: 28
- Number of Patents (Published/Grant): 05
- Book Chapters Published: 17
- Number of Books Published: 02
- Number of Edited Book Published: 01
- Presentation in International Conferences: 06
- The referee for various Scientific Journals: 06
- Citations: 346
- H index: 10
- I10 index: 10
- Invited Talk as a Resource Person: 05

PROFESSIONAL MEMBERSHIP:

- Member of IAENG
- Member of IEEE

COURSE TAUGHT:

- Data Science
- Cyber Security
- Digital Forensics
- Computer Graphics and Animation
- Operating System
- Data Structure using C
- Software Engineering and Project Management
- Software Security
- Cyber Law and Internet Security
- C, C++

ADMINISTRATIVE/DEPARTMENTAL RESPONSIBILITY

- Coordinator for the Departmental Website Development (DWC), Integral University, Lucknow, India.
- Member of NAAC Accreditation Criteria 3 Committee and Departmental Quality Assurance Committee (DQAC)
- Member for Student Project Monitoring & Evaluation Committee
- Member of the Departmental Examination Committee
- Committee Member for Curriculum Design and Review for BCA and MCA Programs
- Program Course Coordinator and Student Mentor for BCA and MCA Programs
- Academic Supervisor for Final Year Industrial Projects for MCA and BCA Programs
- Head Invigilator for End-Semester Examinations
- Faculty Advisors CA Media Club, Integral University, Lucknow, India.
- Organizing Committee member in International Conference on Advances in Science, Engineering, and Technology (ICASET - 2024)
- Curriculum Review and Development Committee, Integral University, Lucknow, India, 2024.
- Steering Committee member in International Conference on Emerging Trends in Technology

& its impact on Law, Organized by Faculty of Law & Department of Computer Application, Integral University, Lucknow, India.

- Technical Committee member in Two-weeks blended Faculty Development Programme on Next-Gen Computing Technologies (NGCT 2021), Organized by Department of Computer Application, Integral University, Lucknow, India, 2021.
- Organizing Committee member in International E-Symposium on Recent Advancements in Information and Communication Technology (RAICT 2020), Organized by Department of Computer Application, Integral University, Lucknow, India, 2020.
- Organizing Committee member in on Emerging Trends in Information Technology (ICETIT-2015), organized by Department of Information Technology Babasaheb Bhimrao Ambedkar University Lucknow, India, 2015.
- Technical Committee Member in National Conference on Information Security Challenges (NCISC-2016), Organized by Department of IT, BBA University Lucknow, India, 2016.
- Member of editorial board of “BBAU-Voice” magazine, BBA University Lucknow.

STUDENTS SUPERVISION

1. Ph.D. Students Awarded

- **Priya Sharma (Enroll. No. 2100143, 2026) – Supervisor:** Analysis & Development of an Intelligent Framework to Identify & Mitigate deceptive content of Social Networking Sites, Integral University, Lucknow, India.
- **Nadiya Parveen (Enroll. No. 1901034, 2025) – Supervisor:** An Efficient Model for Sentiment Analysis and Opinion Mining using Machine Learning, Integral University, Lucknow, India.
- **Sujit Kumar Dwivedi (Enroll. No.1673/19, 2025) – Co-Supervisor:** Usable Security Characterization of Software Application on Cloud Platform, Babasaheb Bhimrao Ambedkar University (A central University), Lucknow.

2. Ph.D. Students (Thesis Submitted / Ongoing)

- **Wahid Ali, (Enroll. No. 2001292, 2026) – Supervisor:** Develop a feedback model for information retrieval: An outlier detection perspective, Integral University, Lucknow, India. **(Thesis Submitted)**
- **Mohd Shabbir (Enroll. No. MUIT0121038145, 2026) – CO-Supervisor:** Predicting Software Security Risk using Machine Learning: A Design Perspective, Maharishi University of Information Technology, Lucknow, India. **(Thesis Submitted)**
- **Safikur Rahman Khan, (Enroll. No. 2301047, 2026) – Supervisor:** Design and Development of a privacy-preserving framework for Health data analysis, Integral University, Lucknow, India. **(Ongoing)**
- **Abhishek, (Enroll. No. 2400106067, 2026) – Supervisor:** Energy-efficient Security Protocol for Intelligent Reflecting Surface Enhanced 6 G VANET, Integral University, Lucknow, India. **(Ongoing)**
- **Mohammad Isha Mansoori, (Enroll. No. 2500107111, 2026) – Supervisor:** Design and Development of an Intelligent Framework for Security Vulnerability Prediction in Agile Software Engineering using Machine Learning, Integral University, Lucknow, India. **(Ongoing)**

PUBLISHED/GRANT PATENTS

- Unified Predictive Epidemic Model: Integrating Unsupervised and Supervised Learning Methods (IN 202511053892) Official Journal of Patent Journal no 06/ 2025. (Published)
- Data Processing Device for 5G Communication (IN 436861-001) Official Journal of Patent Journal no 11/ 2021. (Published)
- An Effective Prediction and Prioritization based Cloud Service Architecture (IN 202111008424) Official Journal of Patent Journal no 11/ 2021. (Published)
- A Framework for Security Requirement Elicitation Process, (IN 201911016384) Official Journal

of Patent Journal no 12/ 2019. (Published)

- Security Testing Profile Framework (STP^f), (IN 201811006653) Official Journal of Patent Journal no 12/ 2018. (Published)

PUBLISHED/ACCEPTED SCI/SCOPUS RESEARCH PAPERS

- **Mohd Waris Khan, et al.**, Empirical Analysis of Computationally Intelligent Technique for Software Risk Prediction, *Journal of Cybersecurity and Information Management (JCIM)*, vol. 17, no.2, pp.200-209, 2026. ([ISSN 2769-7851](#))
- **Mohd Waris Khan, et al.**, A Hybrid Framework for Identifying Fake News and Deceptive Information in Social Media with Mitigation Strategy, *Utilitas Mathematica*, Vol. 122, no.2, 1559–1577, 2025. ([ISSN 0315-3681](#))
- **Mohd Waris Khan, et al.**, An Outlier Detection-driven Framework for Enhanced Information Retrieval, *International Journal of Applied Mathematics*, vol.38, no.8s, pp. 1284-1292, 2025. ([ISSN 1311-1728](#))
- **Mohd Waris Khan, et al.**, Performance Assessment of an Outlier Detection–Based Approach to Information Retrieval and Query Expansion, *Utilitas Mathematica*, Vol. 122, no.2, 1542–1558, 2025. ([ISSN 0315-3681](#))
- **Mohd Waris Khan, et al.**, An empirical analysis of evolutionary computing approaches for IoT security assessment,” *Journal of Intelligent & Fuzzy Systems*, *IOS Press*, vol. 48, pp. 779–791, 2025. ([ISSN: 1064-1246](#))
- **Mohd Waris Khan, et al.**, A Conceptual Framework for Leveraging Web Data in Sentiment Analysis and Opinion Mining, *Journal of Information Systems Engineering and Management*, vol. 10, no. 41, pp. 562-570, 2025. ([ISSN: 2468-4376](#))
- **Mohd Waris Khan, et al.**, A Comprehensive Study of Detection Methods for Deceptive Content across Social Media Platforms,” *Journal of Information Systems Engineering and Management*, vol. 10, no. 41, pp. 714-723, 2025. ([ISSN: 2468-4376](#))
- **Mohd Waris Khan, et al.**, Evaluating the Impact of Security Risks through Fuzzy AHP-TOPSIS Method,” *Journal of Information Systems Engineering and Management*, vol. 10, no. 25, pp. 224-236, 2025. ([ISSN: 2468-4376](#))
- **Mohd Waris Khan, et al.**, “Proposed Algorithm and Models for Sentiment Analysis and Opinion Mining Using Web Data,” *Nanotechnology Perceptions*, vol. 20, no. 6, 3900-3910, 2024. ([ISSN: 1660-6795](#))
- **Mohd Waris Khan, et al.**, Architecting lymphoma fusion: PROMETHEE-II guided optimization of combination therapeutic synergy, *International Journal of Information Technology*, pp.1-16, 2024. ([ISSN:2511-2104](#))
- **Mohd Waris Khan, et al.**, Security Test Case Prioritization through Ant Colony Optimization Algorithm, *Computer Systems Science and Engineering (CSSE)*, vol.47, no.3, pp. 3165-3195, 2023. ([ISSN:0267-6192](#))
- **Mohd Waris Khan, et al.**, A Fuzzy-based Unified Technique for Assessment of Software Security Testing, *Utilitas Mathematica*, vol.120, pp. 1968-1987, 2023. ([ISSN: 0315-3681](#))
- **Mohd Waris Khan, et al.**, Analyzing and Mitigating Cross-VM Network Channel Attacks in Cloud Computing Environments, *Utilitas Mathematica*, vol.120, pp.1988-2011, 2023. ([ISSN: 0315-3681](#))
- **Mohd Waris Khan, et al.**, “Evaluating Intelligent Methods for Detecting COVID-19 Fake News on Social Media Platforms”, *Electronics*, *MDPI*, vol. 11, no. 15, pp. 1-15, 2022. ([Impact Factor: 2.690](#); [ISSN: 2079-9292](#))
- **Mohd Waris Khan, et al.**, “A Critical Analysis of Fraud Cases on the Internet”, *Turkish Journal of Computer and Mathematics Education*, Vol.12, No.1, pp. 424-445, 2021. ([ISSN: 1309-4653](#))
- **Mohd Waris Khan, et al.**, “Estimation of Software Risks through CVSS: A Design Phase Perspective”, *Turkish Online Journal of Qualitative Inquiry*, Vol.12, No.4, pp. 894-901, 2021.

(ISSN: 1309-6591)

- **Mohd Waris Khan, et al.**, "Effective Requirement Engineering Process by incorporating Risk Management Approach", *Solid State Technology*, Vol.63, No.5, pp.814-822, 2020. (ISSN: 0038-111X)
- **Mohd Waris Khan, et al.**, "Enhancement of Two-Tier ATM Security Mechanism: Towards Providing a Real-Time Solution for Network Issues", *International Journal of Advanced Computer Science and Applications*, Vol.11, No.7, pp. 123-130, 2020. (ISSN: 2156-5570)
- **Mohd Waris Khan, et al.**, "Quantitative Analysis of Requirement Elicitation Techniques through FANP: Security Perspective", *International Journal of Recent Technology and Engineering*, Volume-8, Issue-5, pp.3550-3558, 2020. (ISSN: 3550-3558, 2277-3878)
- **Mohd Waris Khan, et al.**, "Optimizing the Impact of Security Attributes in Requirement Elicitation Techniques using FAHP", *International Journal of Innovative Technology and Exploring Engineering*, Volume-9, Issue-4, pp.1656-1661, 2020. (ISSN: 2278-3075)
- **Mohd Waris Khan, et al.**, "Test Plan Specification using Security Attributes", in *ICIC Express Letters, An International Journal of Research and Surveys*, Vol. 12, No. 9, 2018. (ISSN: 1061-1069, 1881-803X)
- **Mohd Waris Khan, et al.**, "Measuring the Security Testing Attributes through Fuzzy Analytic Network Process: A Design Perspective", *Journal of Advanced Research in Dynamical and Control Systems (JARDCS)*, special issue12, pp.1514-1523, 2018. (ISSN: 1943-023X)

PAPER PUBLISHED IN INTERNATIONAL CONFERENCES

- **Mohd Waris Khan, et al.**, "A Comprehensive Review of Privacy-Preserving Techniques in Health Data Analysis," *2025 International Conference on Cognitive Computing in Engineering, Communications, Sciences and Biomedical Health Informatics (IC3ECSBHI)*, Greater Noida, India, pp. 104-109, 2025. (ISBN:979-8-3315-1853-0)
- **Mohd Waris Khan, et al.**, "Leveraging Emoticon Scores for Improved Sentiment Detection in Social Media Using Machine Learning Techniques," *2025 International Conference on Cognitive Computing in Engineering, Communications, Sciences and Biomedical Health Informatics (IC3ECSBHI)*, Greater Noida, India, pp. 956-960, 2025. (ISBN:979-8-3315-1853-0)
- **Mohd Waris Khan, et al.**, "A Review of Digital Forensics Techniques and Emerging Trends," *2025 International Conference on Cognitive Computing in Engineering, Communications, Sciences and Biomedical Health Informatics (IC3ECSBHI)*, Greater Noida, India, pp. 1359-1363, 2025. (ISBN:979-8-3315-1853-0)
- **Mohd Waris Khan, et al.**, "Measuring the Implications of Email Viruses through a Unified Model of Cyber Security," *6th International Conference on Contemporary Computing and Informatics (IC3I)*, IEEE, Gautam Buddha Nagar, India, pp.614-621, 14-16 September 2023. (ISBN:979-8-3503-0449-7)
- **Mohd Waris Khan, et al.**, "A Review Study on Feedback Models for Information Retrieval," *2023 6th International Conference on Contemporary Computing and Informatics (IC3I)*, IEEE, Gautam Buddha Nagar, India, 2023, pp. 585-591, 14-16 September 2023. (ISBN:979-8-3503-0449-7)
- **Mohd Waris Khan, et al.**, "A Novel Paradigm: Cloud-Fog Integrated IoT Approach," *3rd International Conference on Computation, Automation and Knowledge Management (ICCAKM)*, IEEE, Dubai, UAE, 15-17 November 2022. (ISBN:978-1-6654-5320-2)
- **Mohd Waris Khan, et al.**, "Identification and Mitigation Strategies of Malware Attacks", *International E-Symposium on Recent Advancements in Information and Communication Technology (RAICT 2020)*.
- **Mohd Waris Khan, et al.**, "Current Issues and Challenges of Digital Memory Forensics: Security Perspective", *International E-Symposium on Recent Advancements in Information and Communication Technology (RAICT 2020)*.

- **Mohd Waris Khan, et al.**, “The Role of Cyber Security in Digital Life”, *International E-Symposium on Recent Advancements in Information and Communication Technology (RAICT 2020)*.
- **Mohd Waris Khan, et al.**, “A Survey on Potential Problems in Software Security”, *International E-Symposium on Recent Advancements in Information and Communication Technology (RAICT 2020)*.
- **Mohd Waris Khan, et al.**, “Issues and Challenges in Security Testing of Web Based Applications”, in *International E-Symposium on Recent Advancements in Information and Communication Technology (RAICT 2020)*.
- **Mohd Waris Khan**, Poster Presentation on “Development of CRSE to Enhance the Capacity of Current Software, in the *International Conference on Emerging Trends in Information Technology (ICETIT-2015)*, 23rd to 24th Mar 2015.
- **Mohd Waris Khan, et al.**, “Framework For requirement Validation”, *Int. Conference on Advances in Engineering & Technology (AET-2013)*, pp.37-42, 2013. ([ISBN-978-81-927082-1-7](#))
- **Mohd Waris Khan, et al.**, “Role of Requirement Validation in Requirement Development”, *Proc. of International Conference on Recent Development in Engineering and Technology*, Mysore, ISBN: 978-93-82208-29-7, pp. 97-101, 2012.
- **Mohd Waris Khan, et al.**, “An Enhanced Edification for Validation of Factual Requirements”, in *Proc. of International Conference on Electrical and Computer Science (ICEECS)*, pp. 124-127, Bangalore, India, October 7, 2012. ([ISBN: 978-93-82208-26-6](#))

PAPER PUBLISHED IN NATIONAL CONFERENCES

- **Mohd Waris Khan, et al.**, “Integration of security testing framework in software development life cycle, , 4th Lucknow Science Congress LUSCON-2017, *National Conference on Science Technology & Innovation for Sustainable Development*, 3rd & 4th March 2017.
- **Mohd Waris Khan, et al.**, “Security Testing: problems and Prospects”, *National Seminar on Emerging Trends & Advancements in Cyber Security-* April-2016, at Integral University, Lucknow.
- **Mohd Waris Khan, et al.**, “Security Testing Profile: An Introduction”, *National conference on Information Security Challenges (NCISC-2016)*, 24th Feb 2016, Lucknow.
- **Mohd Waris Khan, et al.**, “Phishing: An Emergent Threat”, *National Conference on Information Security Challenges (NCISC-2016)*, 24th Feb 2016, Lucknow.
- **Mohd Waris Khan, et al.**, “An Overview of Data Mining in E-Governance”, *National conference on Information Security Challenges (NCISC-2016)*, 24th Feb 2016, Lucknow.
- **Mohd Waris Khan**, Cyber Conclave- An Information Security and Hacking Conference, held at BBD Auditorium, on 6th -7th Feb. 2016, Lucknow.
- **Mohd Waris Khan**, “Development of Security Testing Profile”, *National Meet for Research Scholars in Computer Science-2015*, Organized by Department of Computer Science, University of Lucknow, Lucknow, India.
- **Mohd Waris Khan, et al.**, “Improving the quality of E-learning Services: A Cleanroom Software Engineering Approach”, *3rd Lucknow Science Congress LUSCON-2015, National Conference on Science for Society: An Interdisciplinary Approach*, 31st Oct-2nd Nov 2015.
- **Mohd Waris Khan, et al.**, “A critical Review on Software Testing: Security Perspective”, *3rd Lucknow Science Congress LUSCON-2015, National Conference on Science for Society: An Interdisciplinary Approach*, 31st Oct-2nd Nov 2015.
- **Mohd Waris Khan**, “Integrating Quality within Box structure: Cleanroom Software Approach Perspective”, *3rd Lucknow Science Congress LUSCON-2015, National Conference on Science for Society: An Interdisciplinary Approach*, 31st Oct-2nd Nov 2015.
- **Mohd Waris Khan**, “The role of ICT in women Empowerment”, *National Seminar on Inclusive Growth of Minority Women through ICT*, 13th-14th Feb 2015 at KMCUAF University, Lucknow,

India.

PUBLISHED NON-SCI-SCOPUS BUT PEER REVIEWED RESEARCH PAPERS

- **Mohd Waris Khan, et al.,** Outlier detection in information retrieval: A systematic review of methods, challenges, and application, *International Journal of Engineering in Computer Science*, vol. 8, no. 1, pp. 108-115, 2026. (ISSN: 2663-3590)
- **Mohd Waris Khan, et al.,** Comparative analysis in fake news detection using machine learning technique, *International Journal of Computing and Artificial Intelligence*, vol. 7, no. 1, pp.1-4, 2026. (ISSN: 2707-6571)
- **Mohd Waris Khan, et al.,** A fusion framework for Hinglish cyberbullying detection using mBERT and FastText,” *International Journal of Engineering in Computer Science*, vol. 6, no. 1, pp. 7-14, 2025. (ISSN: 2663-3590)
- **Mohd Waris Khan, et al.,** Network vulnerability Prediction by using the SVM Technique. *International Journal of Communication Networks and Information Security (IJCNIS)*, vol. 16, no.4, pp.1392–1403, 2024. (ISSN: 2073-607X)
- **Mohd Waris Khan, et al.,** “Ransomware - Threats, Vulnerabilities, and Targets in Cloud Environment,” *NeuroQuantology*, vol. 20, no. 6, pp.100078-100090, 2022. (ISSN:1303-5150)
- **Mohd Waris Khan, et al.,** An Analysis of Security Issues for Cloud Computing, *International Research Journal of Management Science & Technology*, vol. 13, no. 5, pp.163-172, 2022. (ISSN:2250-1959)
- **Mohd Waris Khan, et al.,** “Digital Twins: A Revamp for the Requirement Management and Product Development Engineering,” *International Research Journal of Science Engineering and Technology*, Volume 12, Issue 1, pp. 179-187, 2022. (ISSN: 2454 -3195)
- **Mohd Waris Khan, et al.,** “Adaptation of Digital Twins as a methodology for management and development of Secure Software Systems,” *NeuroQuantology*, Volume 19, Issue 7, pp. 300-309, 2021. (ISSN:1303-5150)
- **Mohd Waris Khan, et al.,** “A Review on Defects Categorization and Detection Reading Techniques for Developing the Effective SRS Documentation,” *International Research Journal of Management Science & Technology*, vol.12, no.9, pp.111-121, 2021. (ISSN: 2250 – 1959)
- **Mohd Waris Khan, et al.,** A Review on Some Pertinent Software Security Risk Management Frameworks, *International Journal of Innovative Research in Science, Engineering and Technology (IJIRSET)*, Vol.9, No.2, pp.58-62, 2020. (ISSN: 2319-8753)
- **Mohd Waris Khan, et al.,** “Revisiting Requirement Elicitation Process: A Security Perspective”, *International Research Journal of Science Engineering and Technology*, ISSN 2454-3195, Vol. 9 Issue 1, pp 46-54, 2019. (ISSN: 2454-3195)
- **Mohd Waris Khan, et al.,** “The Impact of Crowd sourcing in Software Engineering: Software Testing Perspective”, *International Journal of Advanced Research in Computer Science*, Volume 8, No. 7, pp. 250-252, July – August 2017. (ISSN: 0976-5697)
- **Mohd Waris Khan, et al.,** “Revisiting Software Security Models: A Design Perspective”, *International refereed research journal, Academic Social Research*, Volume-2, Issue-1, January to March 2016. (ISSN: 2456-2645)
- **Mohd Waris Khan, et al.,** “Role of Requirement Engineering in E-Learning Services”, *Global Journal of Multidisciplinary Studies*, ISSN: - 2348-0459, Volume 3, Issue 5, April-2014. (ISSN: 2348-0459)
- **Mohd Waris Khan, et al.,** “Requirement validation vs. requirement elicitation,” *International Journal of Computer and Communication Technology (IJCTT)*, vol. 7, no. 1, pp. 1–8, 2016. (ISSN: 2231-0371,)

BOOK EDITED/ AUTHORED

- **Mohd Waris Khan, et al.**, “Advances in Modern Computing: Trends and Innovations” Bentham Science Publisher, Edited Book, 2026. (Communicated)
- **Mohd Waris Khan, et al.**, “Fundamentals of Software Security Testing” JRF International Book Publication, 2019. (ISBN No: 978-61-98743-89-3)
- **Mohd Waris Khan, et al.**, “Cyber Security: Theory & Practices”, Tridev Publication, 2019. (ISBN No: 978-14-43400-92-9)

BOOK CHAPTERS

- **Mohd Waris Khan, et al.**, “Improving the hardware Security of Wireless Sensor Network System by Using Analytic Heirarchy Process,” *Data-Driven Approach of Species DNA Sequencing Based on Similar Patterns Using Machine Learning*, Bentham Science Publishers, pp. 163-181, 2025. (ISBN: 978-981-5313-32-1)
- **Mohd Waris Khan, et al.**, A Review of Sentiment Analysis Opinion Mining and Using Machine Learning, *Advancements in Artificial Intelligence and Machine Learning*, pp. 98-113, 2025. (ISBN: 978-981-5322-59-0)
- **Mohd Waris Khan, et al.**, “A survey of sentiment analysis and opinion mining using supervised machine learning,” *Advances in Science, Engineering and Technology*, (1st ed.), CRC Press, Taylor and Francis Group, 2025. (ISBN: 9781003641544)
- **Mohd Waris Khan, et al.**, “A comprehensive assessment of the existing literatures on the challenges and solutions related to cyber security in smart cities, *Advances in Science, Engineering and Technology*, (1st ed.), CRC Press, Taylor and Francis Group, 2025. (ISBN: 9781003641544)
- **Mohd Waris Khan, et al.**, “An Enhanced Layered IoT-Architecture for IoT Applications against Cyber-Attacks,” *Recent Advances in Computational Intelligence and Cyber Security*, (1st ed.), CRC Press, Taylor and Francis Group, 2024. (ISBN: 9781003518587)
- **Mohd Waris Khan, et al.**, “Analyzing Strategies Employed in Disseminating Deceptive Content on Social Media,” *Emerging Trends in IoT and Computing Technologies (1st ed.)*, CRC Press, Taylor and Francis Group, 2024. (ISBN: 9781003535423)
- **Mohd Waris Khan, et al.**, “Cyber Security’s Influence on Smart Cities: Challenges and Solutions,” *Contemporary Innovations in Engineering and Management*, AIP Publishing, Vol. 2821, pp.040033:1–12, 2023. (ISBN: 9780735447356)
- **Mohd Waris Khan, et al.**, “An Investigation with Emerging Issues and Preventive Measures: Cloud Computing Perspective,” *Contemporary Innovations in Engineering and Management*, AIP Publishing, Vol. 2821, pp.020014:1–9, 2023. (ISBN: 9780735447356)
- **Mohd Waris Khan, et al.**, “The UAV Assisted Wireless Ad Hoc Network”, *Computational Intelligent Security in Wireless Communications (1st ed.)*, CRC Press, Taylor and Francis Group, pp.131-160, 2022. (ISBN: 9781003323426)
- **Mohd Waris Khan, et al.**, “An Analysis on Usages of Information Retrieval Methods Using Big Data for Legal System”, (1st ed.) *Nitya Publications*, Bhopal M.P India, July, 2022. (ISBN: 978-93-94894-03-7)
- **Mohd Waris Khan, et al.**, “Cloud Computing: Struggle through Security Issues”, (1st ed.) *Nitya Publications*, Bhopal M.P India, July, 2022. (ISBN: 978-93-94894-03-7)
- **Mohd Waris Khan, et al.**, Current Issues and Challenges for Memory Forensics: Security Perspective, *Information & Communication Technology*, Aargon Press, pp.418-431, 2022. (ISBN: 978-93-94070-92-9)
- **Mohd Waris Khan, et al.**, Cyber Security Challenges and It’s Need in Smart Security, *Information & Communication Technology*, Aargon Press, pp.432-447, 2022. (ISBN: 978-93-94070-92-9)

- **Mohd Waris Khan, et al.**, Exploring Potential Problems with Information Security Risk Management, *Information & Communication Technology*, Aargon Press, pp.448-460, 2022. (ISBN: 978-93-94070-92-9)
- **Mohd Waris Khan, et al.**, "Paradigms of Smart Education with IoT Approach", *Internet of Things and Its Applications*, Springer Nature, Springer Nature International Publishing, pp.223-232, 2021. (ISBN: 978-3-030-77527-8)
- **Mohd Waris Khan, et al.**, "A Comparative Study on Data Mining Approach Using Machine Learning Techniques: Prediction Perspective", *A Compendium of Critical Factors for Success, Pervasive Healthcare*, EAI/Springer Innovations in Communication and Computing, Springer International Publishing, pp.153-165, 2021. (ISBN: 978-3-030-77745-6)
- **Mohd Waris Khan, et al.**, "A Fuzzy Multi-Criteria Decision-Making for Managing Network Security Risk Perspective", *Cloud-Based Data Analytics in Vehicular Ad-Hoc Networks*, IGI Global, pp.115-140, 2020. (ISBN: 9781799827641)
- **Mohd Waris Khan, et al.**, "Current Challenges of Digital Forensics in Cyber Security", *Critical Concepts, Standards, and Techniques in Cyber Forensics*, IGI Global, pp.31-46, 2020. (ISBN: 9781799815587)
- **Mohd Waris Khan, et al.**, "Trends in Malware Attacks- Identification and Mitigation Strategies", *Critical Concepts, Standards, and Techniques in Cyber Forensics*, IGI Global, pp.47-60, 2020. (ISBN: 9781799815587)
- **Mohd Waris Khan, et al.**, "Critical Review on Software Testing: Security Perspective", *Smart Trends in Information Technology and Computer Communications*, Springer CCIS series, pp.714-713, Jaipur, India, 2016. (ISBN: 978-981-10-3432-9)

WORKSHOPS/CONFERENCES ATTENDED

- Participated in two Week Faculty Development Program on AI Jumpstart, by HCLtech, 26 May 2026, organized by Department of Computer Application and Computer Science, Integral University, Lucknow.
- Participated in two Week Faculty Development Program on Transformative Learning through Interdisciplinary AI and ML Applications in Emerging Domains, 8 January to 21 January 2026, organized by Department of Computer Application under the aegis of Human Resource Development Center, Integral University, Lucknow.
- Participated in one Week Faculty Development Program on AI & ML: Transforming Education and Research, 10 November 2025 to 14 November 2025, organized by Department of Computer Application, Manipal University Jaipur.
- Participated in one Week Faculty Development Program on Enhancing Teaching, Research, and Professional Communication Skill, 5 July 2025 to 10 July 2025, organized by HRDC, Integral University, Lucknow, India.
- Participated in One Week Faculty Development Program on Fundamentals of Machine Learning, 11 march 2024 to 15 March 2024, organized by National Institute of Technical Teachers' Training & Research (NITTTR), Kolkata, India.
- Participated in Two-weeks Refresher Course/Workshop on AI and Current Research, 19 August to 11 November 2023, Organized by Department of Computer Application and Computer Science and Engineering in collaboration with HRDC, under ISTE, Integral University, India, 2023.
- Participated in seminar on Analytic and data learning case studies & best practices, Department of Computer Science & Engineering and Department of Computer Applications, Integral University, 31 March 2022, Organized by Department of Computer Science & Engineering and Department of Computer Applications, Integral University, Lucknow, India.
- Participated in Training Program on National Intellectual Property Awareness Mission, organized by Intellectual Property Office, 23 march 2022, India.

- Participated in Two Days Workshop on Plagiarism and Code of Conduct (HRDC/W/22/01), 02 March to 03 March 2022, Organized by Human Resource Development Center (HRDC), Integral University, India, 2022.
- Participated in One Week Faculty Development Program on Computational Intelligence: COIN-2022, 16 February 2022 to 20 February 2022, organized by Department of Computer Science & Engineering, Babu Banarasi Das Northern India Institute of Technology, Lucknow, India.
- Participated in two Week Faculty Development Program on Next- Gen Computing Technologies, 10 November 2021 to 25 November 2021, organized by Integral University, Lucknow, India.
- Participated in One Week National Webinar on Industry 4.0 and Internet of Things (I4 IoT), 26 July 2021 to 30 July 2021, Organized Department of Electronics & Communication Engineering, Integral University, Lucknow, India, 2021.
- Participated in Two-weeks blended QIP workshop on “Spreadsheet Applications in Academics and Administration: Intermediate level from 25.06.2021 to 15.07.2021, Organized by HRDC and IQAC, Integral University Lucknow.
- Participated in two Week Faculty Development Program on Next- Gen Computing Technologies, 10 November 2021 to 25 November 2021, organized by Integral University, Lucknow, India.
- Participated in Two-weeks Refresher Course on National Education Policy (NEP)-2020 organized by HRDC-DSW, Integral University, Lucknow.
- Recent Advancements in Information and Communication Technology, Department of Computer Application, Integral University, Lucknow.
- Participated in One Week Faculty Development Program (online) on Advanced Research Trends of Satellite Image processing in Land Surface Monitoring, 24 August 2020 to 28 August 2020, Organized by Advanced Computing Research Lab, Department of Computer Application, Integral University Lucknow.
- Participated in One Week Faculty Development Program (online) on R Programming, 11 May, 2020 to 15 May, 2020, Organized by the Department of Computer Application in association with Spoken Tutorial Project, IIT Bombay-Pandit Madan Mohan Malviya National Mission on Teachers and Teaching (PMMMNMTT) under the aegis of Human Resource Development Center (HRDC) Integral University, Lucknow.
- Participated in One Week Faculty Development Program (online) on Moodle: Learning Management System, 16 May, 2020 to 20 May, 2020, organized by the Department of Computer Application in association with Spoken Tutorial Project, IIT Bombay-Pandit Madan Mohan Malviya National Mission on Teachers and Teaching (PMMMNMTT) under the aegis of Human Resource Development Center (HRDC) Integral University, Lucknow.
- Participated in National Workshop on Building National STI Policy System and Governance for Effective R & D Ecosystem, 05th March 2019, Organized by DST-Centre for Policy Research, BBAU, Lucknow, India, 2019.
- Participated in Two Weeks Faculty Development Program on Ensuring Excellence in Teaching / Learning / Research in Higher Education Institutions Using ICT (ID), 22nd Dec 2018 to 06th January 2019, Organized by Department of Information Technology, Babasaheb Bhimrao Ambedkar Central University, Lucknow, India, 2019.
- Participated in Two Weeks Training Course on Cyber Security (TCCS-2018), 01st -15st February 2018, Organized by Department of Information Technology, Babasaheb Bhimrao Ambedkar Central University, Lucknow, India, 2017.
- Participated in Three Week Research Methodology Course, 05th -28st January 2017, Organized by Department of Information Technology, Babasaheb Bhimrao Ambedkar Central University, Lucknow, India, 2017.
- Participated in Two Days Workshop on Choice based Credit System & Outcome based Teaching/Learning, 30th -31st March 2016, Organized by Department of Information

Technology, Babasaheb Bhimrao Ambedkar Central University, Lucknow, India, 2016.

- Participated in One Week workshop on Computer Programming and GUI Development using MATLAB, 18th -23rd March 2016, organized by Electronic & ICT Academy, PDPM, IIITDM Jabalpur (M.P.)
- Participated in One Week Faculty Development Program on MatLab and its applications in engineering, 14th -18th Jan 2016, organized by Azad Institute of Engineering & Tech. Lucknow and sponsored by Dr. Abdul Kalam Technical University, Lucknow.
- Participated in One Week Short Term Training Program on Application of SPSS in Multidisciplinary Research, 6th -10th Jan 2016, organized by Dept. of Civil Engineering, MANIT and Cosponsored by TEQIP-II, Bhopal.
- Participated in Cyber Conclave- An Information Security and Hacking Conference, Organized by Babu Banarasi Das Group, Lucknow, 2016.
- Participated in One Week Faculty Development Programme on MAT Lab & Its Application in Engineering Organized by Azad Institute of Engineering & Technology, Dr. APJ Abdul Kalam Technical University, Lucknow, 2016.
- Participated in One Week Workshop on Ethical Hacking and Information Security (EHIS-2015) Organized by Department of Information Technology, Babasaheb Bhimrao Ambedkar Central University, Lucknow, India, 2015.
- Participated in Two Days Workshop on Rapid Application Development Using Oracle IDS Organized by Department of Information Technology, Babasaheb Bhimrao Ambedkar Central University, Lucknow, India, 2014.
- Participated in One Week Workshop on Research Methods in Information Technology Organized by Department of Information Technology, Babasaheb Bhimrao Ambedkar Central University, Lucknow, India, 2014.
- Participated in Online Workshop on SciLab, organized by Spoken Tutorial Project, IIT Bombay, funded by National Mission on Education through ICT, MHRD, Govt of India, 2014.
- Participated in Online Workshop on PYTHON, organized by Spoken Tutorial project, IIT Bombay, funded by National Mission on Education through ICT, MHRD, Govt of India, 2014.
- Participated in Online Workshop on LaTeX, organized by Spoken Tutorial Project, IIT Bombay, funded by National Mission on Education through ICT, MHRD, Govt of India, 2014.

AWARDS AND RECOGNITIONS

- **Fellowship:** Awarded Non-NET Fellowship by UGC, Government of India (2014–2019).
- **Best Paper Award:** Received Best Paper Award at the International Conference on Research and Development of India as Multidisciplinary Approach for the paper titled “STP for Enhancing the Quality of Software Products” (2018).
- **Social Work Recognition:** Honored with the Outstanding Social Worker Award by Jawahar Shiksha Seva Samiti (An ISO 9001:2015 Certified Organization) in 2019.
- **Team Excellence Award:** Received the Star of Team Award from NIKSYS Info solution in 2018.
- **Professional Recognition:** Awarded Certificate of Recognition by SAQ Infosys in 2017.

PERSONAL INFORMATION

- **Name:** Dr. Mohd Waris Khan
- **Father's Name:** Mohd Shafi Khan
- **Date of Birth:** 06 March 1988
- **Marital Status:** Married
- **Strengths:** Devoted to work, Optimistic
- **Languages Known:** Hindi, English
- **Hobbies:** Sports, Music

REFERENCES

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