Brief-Profile

Prof. (Dr.) Keshav Singh Rawat
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- Presently serving as Professor, Computer Science, Cluster Innovation Centre, University of Delhi, Delhi, Bharat, since 25 March 2026.
- Worked as Professor, Computer Science & Information Technology, Central University of Haryana, Mahendergarh, Bharat from 24 March 2025 to 24 March 2026.
- Worked as Head of Department and Associate Professor, Computer Science & Information Technology, Central University of Haryana, Mahendergarh, Bharat from 24 March 2022 to 23 March 2025.
- Worked as Department Incharge and Assistant Professor, Computer Science & Informatics, Central University of Himachal Pradesh, Dharamshala, H.P., Bharat from 23 Nov 2012 to 23 March 2022.
- Ph.D. in Computer Science & Information Technology from Central University of Himachal Pradesh, Bharat.
- B.E. (Computer Science & Engineering) and M.Tech. (Computer Science) from RGPV, Bhopal.
- UGC NET and GATE Qualified.

Research Metrics

Research Areas

- Quantum Computing, Quantum Machine Learning, Cybersecurity & Post-Quantum Cryptography, Internet of Things, Fog Computing, Cyber Physical Systems, Scientometrics.

Patent (Granted)

- **Patent** titled "an artificial intelligence (ai)-based unmanned aerial vehicle (UAV)-assisted remote emergency response system and method thereof" Granted by **Indian Patent Office, Delhi,** Dec 2025**.**

Project

- AI-Enabled Phenomics and Genomic Prediction for Climate-Resilient Crop Improvement sanctioned by **SPARC, IIT Kharagpur** costing **Rs. 90,53,000/-** (Ongoing)
- Effectiveness of Deen-Dayal Upadhyay-Grameen Kaushlya Yojana (DDU-GKY) in Respect of Quality of Training, Employment Components and its Socio-Economic Impact: A longitudinal Study sanctioned by **ICSSR** costing **Rs.76,00,000/-** (Ongoing)
- Minor Project sanctioned by Faculty Research Programme (FRP) 2026-2027 of the **Institution of Eminence (IoE), University of Delhi** costing **Rs. 50000/-** (Ongoing)

List of SCI/SCIE Indexed Journals having Publications

IEEE Transaction on Engineering & Management, IEEE: 5.2
IEEE Transactions on Artificial Intelligence, IEEE: 6.4
IEEE Internet of Things Journal, IEEE: 8.9
IEEE Engineering Management Review, IEEE: 1.587
ACM Transactions on Internet Technology, ACM: 4.1
Artificial Intelligence Review, Elsevier: 18.8
Computer Science Review, Elsevier: 17.5
Archives of Computational Methods in Engineering, Springer: 12.1
Telematics and Informatics, Elsevier: 8.3
Artificial Intelligence in Medicine, Elsevier: 6.2
Internet of Things, Elsevier: 7.6
Computers & Electrical Engineering, Elsevier: 4.9
Computer Networks, Elsevier: 4.6
Computer Communications, Elsevier: 4.3

Neural Computing and Applications, Springer: 4.5
Natural Hazards, Springer: 3.7
The Journal of Supercomputing, Springer: 2.7
Expert Systems, Wiley: 2.3
Computer Application in Engineering Education, Wiley: 2.2
Network Modeling Analysis in Health Informatics and Bioinformatics, Springer: 2
Quality & Quantity, Springer: 2

Publication in SCI/SCIE Journals

- Keshav Singh Rawat, Tarun Sharma, "Machine learning-driven evolution of intelligent unmanned aerial vehicles", Computer Science Review, Vol 61, page 100937, 2026 (impact factor: 17.5)
- Keshav Singh Rawat, Tarun Sharma, "Expressive quantum feature maps for hybrid quantum kernel learning in malware detection," Computer Networks, Art. no. 112462, 2026. (Impact Factor: 4.7)
- Keshav Singh Rawat, Tarun Sharma, "Achieving the quantum advantage across smart grid: Delineating challenges, opportunities, and future crosswalks," Artificial Intelligence Review, 2026.(Impact Factor: 18.8)
- D. Kumar, S. K. Sood, K. S. Rawat, and S. Prajapat, "A digital-twin-enabled cyber-physical framework for predictive infection-risk monitoring and secure health-data surveillance," IEEE Transactions on Computational Social Systems, 2026. (Impact Factor: 4.6)
- Keshav Singh Rawat, Tarun Sharma, "Emerging Paradigm of Quantum Machine Learning: Knowledge Insights and Future Prospects," in IEEE Transactions on Artificial Intelligence, vol. 7, no. 8, pp. 4252-4266, IEEE, 2026.
- Keshav Singh Rawat, Gaurav Pandey, Tarun Sharma, "Quantum-Enhanced Sentiment Analysis for Mental Health Assessment: A Hybrid LSTM Approach", The Journal of Supercomputing, vol. 83, issue 3, pp. 154, Springer, 2026.
- Keshav Singh Rawat, Punam Patel,Tarun Sharma,"Heart diseases prediction system using quantum technology", Network Modeling Analysis in Health Informatics and Bioinformatics, Vol. 14, issue 1, page 121, Springer, 2025.
- Keshav Singh Rawat and Mamta Yadav, "Analyzing Quantum Computing Applications Across Key Scientific Domains Using Trends and Visual Analytics", in Archives of Computational Methods in Engineering, Springer, 2025.
- Keshav Singh Rawat and Mamta Yadav, "Decoding the Intellectual Landscape and Evolving Research Paradigm of Artificial Intelligence in Environmental Sustainability", IEEE Internet of Things Journal, IEEE, 2025.
- Mamta Yadav and Keshav Singh Rawat, "Knowledge mapping of quantum computing for climate change research and sustainable innovation", Quality & Quantity, 2025.
- Keshav Singh Rawat and Tarun Sharma, "A Leap From Theory to Reality: Knowledge Visualization of Quantum Computing," in IEEE Transactions on Engineering Management, vol. 71, pp. 14861-14877, IEEE Transactions, 2024.
- Girish Sharma, Keshav Singh Rawat, Sandeep Kumar Sood, "Adoption of Controls and Saga of Development in 3D Printed Bioimplants: A Business Perspective," IEEE Engineering Management Review, IEEE, 2024.
- Dheeraj Kumar, Sandeep Kumar Sood, Keshav Singh Rawat, "Early health prediction framework using XGBoost ensemble algorithm in intelligent environment", in Artificial Intelligence Review, Volume 56, pages 1591–1615, Elsevier, 2023.
- Sandeep Kumar Sood, Keshav Singh Rawat, Dheeraj Sharma, "Emerging Trend of ICT to prevent Airborne Diseases", in ACM Transactions on Internet Technology, ACM, 2023.
- Dheeraj Kumar, Sandeep Kumar Sood, Keshav Singh Rawat, Empowering elderly care with intelligent IoT-Driven smart toilets for home-based infectious health monitoring, "Artificial Intelligence in Medicine", Vol. 144, Pages 102666, Elsevier, 2023.
- Dheeraj Kumar, Sandeep Kumar Sood, Keshav Singh Rawat, "IoT-enabled technologies for controlling COVID-19 Spread: A scientometric analysis using CiteSpace", Internet of Things, Volume 23, Pages 100863, Elsevier, 2023.
- Sandeep Kumar Sood, Keshav Singh Rawat, Dheeraj Kumar, "Scientometric analysis of ICT-assisted intelligent control systems response to COVID-19 pandemic", Neural Computing and Applications, Vol. 35, Pages 18829-1884, Springer, 2023.
- Sandeep Kumar Sood, Keshav Singh Rawat, Dheeraj Sharma, "Analytical Mapping of Information and Communication Technology in Emerging Infectious Diseases Using CiteSpace", Telematics and Informatics, Vol. 69, Pages 101796, Elsevier, 2022.
- Sandeep Kumar Sood, Keshav Singh Rawat, Girish Sharma, "3-D Printing Technologies From Infancy to Recent Times: A Scientometric Review," in IEEE Transactions on Engineering Management, Vol. 71, Pages 671-687, IEEE, 2022.

- Sandeep Kumar Sood, Keshav Singh Rawat, Dheeraj Sharma, "A visual review of Artificial Intelligence and Industry 4.0 in Healthcare ", Computers & Electrical Engineering, Vol. 101, 107948, Elsevier, 2022.
- Sandeep Kumar Sood, Keshav Singh Rawat, "Fog-assisted Virtual Reality based Learning Framework to Control Panic," Expert Systems, Vol. 39, el2700, John Wiley and Sons, 2022.
- Sandeep Kumar Sood, Keshav Singh Rawat, Girish Sharma, "Role of Enabling Technologies in Soft Tissue Engineering: A Practitioner Perspective," IEEE Engineering Management Review, IEEE, 2022.
- Yogveer S. Lamba, Sandeep K. Sood, Keshav Singh Rawat, Mayank Chopra, Ashutosh K. Singh, "4-D Printing Technologies From lnfancy to Recent Times: A Scientometric Review," in Computer Applications in Engineering Education, Vol. 30, pages 1959–1978, John Wiley and Sons, 2022.
- Sandeep Kumar Sood, Keshav Singh Rawat, "A fog assisted intelligent framework based on cyber physical system for safe evacuation in panic situations", Computer Communications, Volume 178, Pages 297-306, Elsevier, 2021.
- Sandeep Kumar Sood, Keshav Singh Rawat, "A Scientometric Analysis of ICT-assisted Disaster Management," Natural Hazards, Vol. l06, pages 2863-2881, Springer, 2021.
- Keshav Singh Rawat, Sandeep Kumar Sood, "Knowledge Mapping of Computer Applications in Education Using CiteSpace," Computer Applications in Engineering Education, Vol. 29, Pages 1324-- 1339, John Wiley and Sons, 2021.
- Keshav Singh Rawat, Sandeep Kumar Sood, "Emerging Trends and Global Scope of Data Analytics for Big Data based on Scientometric Analysis," Quality & Quantity, Vol. 55, pages 1371–1396, Springer, 2021.

Chapters in International Books/ Conferences proceedings

- Tarun Sharma and Keshav Singh Rawat, "Understanding the Unmanned Aerial Vehicles Utility Across Crop-Disease Detection," 2026 IEEE 6th International Conference on Computing, Power, and Communication Technologies (IC2PCT), Greater Noida, India, 2026, pp. 386-392.
- Mamta Yadav, Keshav Singh Rawat, “Analytical Mapping of AI and Quantum-Inspired Flood Prediction Frameworks Using Keyword Cluster Analysis”, IEEE Explorer, IEEE 15th International Conference on Communication Systems and Network Technologies (CSNT) 2026, pp. 1039-1044.
- Dheeraj Kumar, Keshav Singh Rawat & Sandeep Kumar Sood, “Revolution of artificial intelligence and IoT in healthcare: a keyword co- occurrence network analysis using CiteSpace”, Recent Advances in Mechanical Engineering. STAAAR 2022. Lecture Notes in Mechanical Engineering. Springer, pp. 231-237.
- Keshav Singh Rawat, I.V. Malhan, "A Hybrid Classification Method Based on Machine Learning classifiers to Predict Performance in Educational Data Mining," Springer, LNNS, vol. 46, pp. 677- 684, 2019.

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