

# ABID HALEEM



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India



## RESEARCH PROFILE

**h-index 100**

[Google Scholar Profile of Prof. Abid  
Haleem](#)

**ResearchGate:**

**h-index 90**

[https://www.researchgate.net/profile/  
Abid-Haleem](https://www.researchgate.net/profile/Abid-Haleem)

**Research Interest score:22553**

**SCOPUS**

**h-Index 74**

[https://www.scopus.com/authid/detail  
.uri?authorid=25627604500](https://www.scopus.com/authid/detail.uri?authorid=25627604500)

**ORCID ID:** [0002-3487-0229](#)

**Web of Science Researcher ID:** **G-4761-  
2012**



## AWARDS AND HONOURS

Felicitated by **JMIAAR** 12<sup>th</sup> Jan 2024,  
Guest of Honour

**Achievers award JMI** for 2022 & 2023  
and 2024

**IEOM, USA,** 2021, Recognised as  
Distinguished Professor

**Fellow of AGBA,** 2014, Fellowship of  
Academy for Global Business  
Advancement.

**Represented India** at Global  
Development Program 2001 at MSOE,  
Wisconsin, USA

**ResearchGate** Most read author of  
Jamia Millia Islamia June 2020

**Publons:** top reviewer 2019

**The best paper award,** 2012, 53<sup>rd</sup>  
Annual Management Conference  
Colorado Mesa University, Colorado,  
USA.

**Awarded Gold Medal** for securing  
highest marks & first position in M. Sc.  
Engineering, 1987, AMU, Aligarh, India

## BRIEF PROFILE OF PROFESSOR ABID HALEEM

**Dr Abid Haleem** is a Professor of Mechanical Engineering at Jamia Millia Islamia (JMI), a Central University in New Delhi, actively working in areas related to engineering management and the latest developments.

The JMI entrusted me with the additional charge of RCA during the COVID-19 in June 2021. With my vision, mission, strategic outlook, and professional approach, this Residential Coaching Academy has been transformed into one of the best-reputed training and guidance centres for Indian Civil Servants and produced toppers for UPSC CSE and State Civil Services.

Established Management education at degree level at JMI by starting AICTE Approved MBA (Eve)(Executive) program in 1995 and heading it for 14 years. Now, JMI has a Faculty of Management with three departments.

Established the Internal Quality Assurance Cell, which processes and streamlines university assessment and accreditation, standardising key inputs as per the standards established by NAAC and other global rankings bodies. Today, JMI is ranked third among the best Indian universities.

Taught at IIT Delhi as an Honorary Visiting Professor from 2007 to 2011.

His academic expertise includes supply chain management, green and commercially demanded specifications, additive manufacturing, technology management, healthcare technologies and their management, sustainability, and allied areas of engineering management.

Professor Haleem is on the list of top global scientists (Elsevier & Stanford) top 2 % since 2019. In 2020, & 2021 has a global rank in the top 0.4 %. In 2022-23, has a global rank of 10175. In 2023-24, has a global rank of 4089.

Presently is a Regional Editor at Global Journal of Flexible Systems Management (Springer, Indexed as A); Associate editor with MAPAN (Springer) and Journal of Orthopaedics (Elsevier), Guest Editing with a few Scopus / SCI-indexed journals. He has over 358 published works in SCOPUS-indexed journals and over 193 in SCI & SCIE-indexed journals.

Conferred with the fellowship of AGBA and has professional & life membership of IIIE, ISME, ISTE, GIFT, AMP, SCL, IICC, and ISC. Also, served as President and Secretary to Global Institute of Flexible Systems Management and AGBA.

He has undertaken consultancy work with DFID, Govt. of Odisha, Ed. CIL, etc. Worked as a High Court-appointed arbitrator for the construction projects at DIAC, High Court, New Delhi.

From 2006 to 2009, he was an Independent Director on the Board of Telecommunications Consultants India Ltd. Advised private businesses like DTDC Ltd. Been a member of the Ad hoc Task Force of Prime Minister Group of the Cabinet Secretariat of the Government of India.

Executed various research and support projects as Principal Investigator by getting grants from DST, AICTE, UGC, FIST, etc.

Is on the advisory/research boards of different institutions, universities, and colleges. As an expert in developing structures, systems and processes and developing for excellence. Actively involved in institution building and led multiple institutional activities related to policy planning, administration, accreditation, and recruitment in Indian and International institutions.

## ACADEMIC CREDENTIALS

Doctor of Philosophy, title, "*Steel Planning and Policy Evaluation: A Flexible Systems Management Approach*" (Mechanical Engineering Dept, Indian Institute of Technology, Delhi (IITD), awarded in 1996). Completed M. Sc. Engg. (Industrial Engineering): Aligarh Muslim University, 1987 (Gold medal) and B.Sc. Engg. (Mechanical Engineering): Aligarh Muslim University, 1985 (Hons)

## ACADEMIC POSITIONS

Presently, professor at the Department of Mechanical Engineering, Faculty of Engineering & Technology, Jamia Millia Islamia, New Delhi, India, since 2002. He joined the Department at JMI as a lecturer in 1987 and then as Reader in 1992.

In 1986, I started my academic career as a Lecturer at the Department of Mechanical Engineering, Z. H. College of Engineering and Technology, AMU, Aligarh, India.

He was also an Honorary Visiting Professor at the Department of Management Studies, IIT Delhi, from July 2007 to 2011.

## TEACHING INTERESTS

- Additive Manufacturing
- Industrial Engineering
- Operations Management
- Operations Research
- Flexible Systems Management
- Supply Chain Management
- Halal Supply Chain
- Creative Problem-Solving
- Production Engineering
- E-Governance
- Managerial Economics

## RESEARCH FUNDINGS ACCOMPLISHED

### MAJOR GOVERNMENT RESEARCH GRANTS AND PROJECTS

- DST-FIST of INR 13.2 million for Mechanical Engineering, 2013-18
- MODROBS Grant on "Modernisation of Fluid Mechanics Laboratory, of INR 1.5 million in 2012-14
- DST Project on Technology Forecasting and Technology Assessment, of INR 1.6 million in 2011-13
- UGC, Grant of INR 2.0 million for DRS of Mechanical Engineering, 2012-13
- MODROBS Grant on "Modernisation of Industrial Engineering Laboratory, of INR 1.0 million in 2000-01

### MAJOR INTERNATIONAL/NATIONAL INDUSTRY ACTIVITIES

- Green Practices, joint research, teaching programs, and international activities collaboration with the School of Built Environment at the University of Salford. (UK), 2007-2009, accomplished in India and UK both
- Led team to accomplish "Organizational Review of Government of India Press of Orissa", in 2003, funded by Department for International Funding (DFID) for
- R & D project on "SMC Dialog Plus of Allen Bradley" at Milwaukee School of Engineering, Milwaukee, Wisconsin. Undertaken teamwork with researchers and professors from 13 countries from Jul 2 to Aug 14' 2001. This was fully sponsored by Rockwell Automation, USA.
- Worked with the Ministry of Human Resource Development to provide a detailed project report (DPR) for establishing the School of Engineering and Technology, Aizwal, 2006.
- Cost cutting of sound enclosure through Value Engineering approach at 'Jupiter No Brake Systems', Okhla, New Delhi in 2001
- Prepared report on 'Project Management System' for Jamia Millia Islamia's Construction Projects
- Developed project report on the establishment of a Business School and Engineering Institution

### MAJOR PROFESSIONAL ACTIVITIES

- **Professor In-Charge Residential Coaching Academy, Jamia Millia Islamia** June 2021 to Dec 2024
- **Founder Director, Internal Quality Assurance Cell** of Jamia Millia Islamia, New Delhi-110025, from 2010- to Nov 2015 (Coordinator NAAC-JMI)
- **Founder Coordinator MBA (Evening) Part-time**, Jamia Millia Islamia, New Delhi-110025, from 1995 to 2010
- **Independent Director**, Telecom Consultants of India Limited (A Govt. of India Enterprise) from July 2008 to July 2011
- **Advisor, DTDC Institute of Supply Chain Management**, from 2011 to 2020

- **Member Ad-hoc Task Force, Performance Management Group, Cabinet Secretariat, Government of India from 2012 to 2015.** "Performance Monitoring and Evaluation System (PMES) to ensure monitoring of performance of various ministries of the Government, through Results Framework Document. Undertaken for Ministry of S & T, Shipping, Road & Transport, and related to Infrastructure Development,
- **President,** Global Institute of Flexible Systems Management (GIFT), New Delhi, from Aug 2014 to Aug 2015
- **Member, Faculty Board, School of Management, IGNOU, New Delhi,** April 2015 to 2017
- **Member, Faculty Board, School of Engineering, IGNOU, New Delhi,** since April 2023
- **Member, Faculty Committee, Faculty of Agriculture and Economics,** Aligarh Muslim University Aligarh 2018.
- **President-Elect,** Global Institute of Flexible Systems Management (GIFT), New Delhi, from Aug 2013 to Aug 2014
- **Governing Council member,** Society of Construction Law (SCL), Delhi Chapter, from 2015 to 2018
- **Director (Honorary),** Global School of Environmental Management 2016 -17
- **Expert member in Review** of the functioning of Public Sector Undertakings by the Ministry of Industry, Government of India. 2007 and 2008
- **Consultant to Educational Consultants of India (EdCIL),** Department for International Development (DFID), Government of Orissa
- **Member Governing Council,** Global Institute of Flexible Systems Management (GIFT) Involved in publishing "The Global Journal of Flexible Systems Management and organising International Conferences, National events, Seminar series, conferences, etc.
- **Founder Member,** Global Institute of Flexible Systems Management (GIFT), New Delhi
- **Life Member,** Indian Science Congress
- **Life Member,** Indian Society of Mechanical Engineering.
- **Life Member,** Indian Islamic Cultural Centre, New Delhi.
- **Life Member,** Indian Society for Technical Education
- **Life Member,** Indian Institute of Industrial Engineering
- **Vice President and Member** Society for Construction Law
- **Director,** Global School of Technology Management and Innovation 2007 to 2010
- **Secretary, GIFT** School of Learning Organization and Strategic Transformation, New Delhi, August 2003 to 2005.
- **Secretary,** ISTE Jamia Chapter, New Delhi, 2004-2006

## RESEARCH INTERESTS

- Industry 4.0 and its technologies
- Additive Manufacturing and application
- Supply Chain Management
- Halal Supply Chain Management
- Green practices, circular economy, and green supply chain
- Technology Management and Innovation Management
- Systems modeling and systems approach
- Healthcare technologies and healthcare management
- Industry 4.0 and applications
- Healthcare management
- Additive manufacturing and application
- Supply Chain Management

- Halal Supply Chain Management
- Green Supply Chain Management
- Technology Management
- Fly Ash Utilisation Techniques
- Innovation Management
- Systems Modelling and systems approach

## **RESEARCH SUPERVISION**

### **PH.D. SUPERVISED AND AWARDED**

1. Role of Information Technology in Business Transformation
2. E-Governance in India
3. Assessment and Evaluation of Economic Impacts on India due to the use of Alternative Refrigerants
4. Assessment and Evaluation of Technology Absorption and Innovation in Indian Small and Medium Enterprises (SMEs)
5. Management of Thermal Power Plant Performance Parameters
6. Bullwhip Effect on Supply Chain Management
7. Green Supply Chain Practices in India
8. Effects of Information Technology Outsourcing on Firms' Performance and Value: An Empirical Study
9. An empirical study of adoption, implementation, and usage of Enterprise Systems in the Indian context
10. Freight Transport – Improving Supply Chain through Integrated Transport Planning
11. Analysis and Modelling of Flexible Manufacturing Systems
12. Optimal Design of a Production System
13. Flexible Systems in the TQM Context: Role of Computer Simulation.
14. Exergy Analysis and Utilisation of Wet Ethanol in HCCI Engine for Cogeneration and Trigenation Applications
15. Perspective Management Systems Standards and Service Chain–Effectiveness & improvements
16. Green Practices: A Comparative Study
17. Study, Analysis, and Evaluation of Critical Success Factors of Green Supply Chain Performance
18. Role of Technology Management in Green Practices: Indian perspective
19. Computational and Experimental Analysis of Parts in Three-Dimensional Printing
20. Product Development/Design Using Rapid Prototype Technique
21. Implementing IT-enabled supply chain management – A study of the Indian Consumer Packaged Goods sector
22. Product Design and Development Using Additive Manufacturing
23. A Study on Innovation Management Practice in Indian SME
24. Assessment and Measurement of Performance Parameters of the Halal Supply Chain
25. A Study of Practices for Integration of Sustainability with Innovation for Micro, Small & Medium Scale Manufacturing Enterprises: An Indian Perspective.
26. Technology assessment and technology forecasting for Emerging Green Technologies: A Sectoral Approach
27. Innovativeness Index for Indian Manufacturing Industry
28. Cold supply chain management
29. Risk management in the Halal Supply Chain
30. A multimethod study Measurement and modelling with rapid prototyping
31. Additive Manufacturing in the Supply Chain
32. Developing High-Pressure Sensors and accessories
33. Additive Manufacturing for Composite

34. Management of Eco-Innovation

35.

### **RESEARCH UNDER SUPERVISION FOR PHDs**

- Embracement of Circular economy toward sustainability
- Indoor environment quality and occupation satisfaction in Green Buildings
- Study on enablers and barriers of eco-innovation to Indian SMEs
- 3D printing and 3D printing materials
- Healthcare technologies
- Industry 4.0

### **EDITORIAL RESPONSIBILITIES & RESEARCH REVIEWS**

#### **Editorial board responsibilities (Present)**

- Associate Editor: Global Journal of Flexible Systems Management (Springer)
- Associate Editor, Journal of Orthopaedics
- Associate Editor: Journal of Clinical Orthopaedics and Trauma (JCOT) (Elsevier)
- Asstt Editor: Global Journal of Enterprise Information Systems (Springer)
- Editor: Journal for Global Business Advancement (JGBA) (Inderscience)

#### **Reviewer of Journal (Major)**

- International Journal of Production Research
- Journal of Cleaner Production
- Journal of Operations Management
- International Journal of Production Planning & Control
- International Journal of Production Economics
- Resources, Conservation, and Recycling
- Resource Policy
- Supply Chain Management: An International Journal
- International Journal of Advanced Manufacturing
- International Journal of Manufacturing Technology Management
- Benchmarking: An international journal
- Supply chain forum: An international journal
- Journal of Islamic Marketing
- Journal of Modelling in Management
- Decision Sciences
- British Food Journal
- Food Control
- IEEE Journals
- MDPI journals
- Large numbers of Journals and has been undertaking
- 2019 and 2020

### **RESEARCH CONTRIBUTIONS**

#### **Textbook Published**

- "Handbook of Materials Management", (2017) Published by Prentice Hall of India Ltd., New Delhi, India
- "Industrial Engineering and Operations Research Module on Industrial Engineering (2008) Indira Gandhi National Open University, New Delhi, India
- "An update of Medical 3D printing", (2019) Published by Solubris N Delhi, India
- "Innovation, Flexibility and Technology Transfer", (2004) published by Tata McGraw Hill Publishing Co Ltd, New Delhi, India
- "Work System Design and Product Design and Development", (2008) Indira Gandhi National Open University, New Delhi, India

- "Enabling of Green Supply Chain Management Implementation in Indian Manufacturing Industry" by CreateSpace Independent Pub, Luthra, S., Kumar, S., Garg, D., and Haleem, A. (2013)
- "Proceedings of the International Conference and Exhibition on Building Utilities 2016" Published by Enriched Publications Pvt Ltd. New Delhi, ISBN:978163535676

### Contribution to Book writing

- "Emerging Trends in Technology Management", (2006) Singhal, Basu & Srivastava published by GIFT Publishing, New Delhi.
- "Technology Management in the Indian Steel Industry: A Case Study of SAIL", (2003) published by Vikas Publishing House, 291-284, New Delhi
- "Globalisation, Flexibility, and Competitiveness: A Technology Management Perspective", (2001) Kiran Momaya and Sushil
- "System Dynamics for Managers", (1996), Sushil, published by Wiley Eastern Ltd, New Delhi.

### Research Articles Publications

#### 2024

- **Haleem, A.**, Javaid, M., & Singh, R. P. (2024). Perspective of leadership 4.0 in the era of fourth industrial revolution: A comprehensive view. *Journal of Industrial Safety*, 100006.
- **Haleem, A.**, & Javaid, M. (2024). Role of cognitive computing in enhancing innovative healthcare solutions. *Advances in Biomarker Sciences and Technology*, 6, 152-165.
- Akhtar MN, **Haleem A**, Javaid M, Vasif M. Understanding Medical 4.0 implementation through enablers: An integrated multi-criteria decision-making approach. *Informatics and Health*. 2024 Mar 1;1(1):29-39.
- Javaid, M., **Haleem, A.**, Singh, R. P., & Dhall, S. (2024). Role of Virtual Reality in advancing education with sustainability and identification of Additive Manufacturing as its cost-effective enabler. *Sustainable Futures*, 100324.
- Saifi, F., Javaid, M., **Haleem, A.**, & Anas, S. M. (2024). Computational Fluid Dynamics Approach for Predicting Pipeline Response to Various Blast Scenarios: A Numerical Modeling Study. *CMES-Computer Modeling in Engineering & Sciences*, 140(3).
- Dixit, C., **Haleem, A.**, & Javaid, M. (2024). Role of Digital Supply Chain in Industry 4.0: A Bibliometric Analysis. *Journal of Industrial Integration and Management*.
- **Haleem, A.**, Javaid, M., & Singh, R. P. (2024). Exploring the competence of ChatGPT for customer and patient service management. *Intelligent Pharmacy*.
- Javaid, M., **Haleem, A.**, & Singh, R. P. (2024). Health informatics to enhance the healthcare industry's culture: An extensive analysis of its features, contributions, applications and limitations. *Informatics and Health*.
- Javaid, M., **Haleem, A.**, Khan, I. H., Singh, R. P., & Khan, A. A. (2024). Industry 4.0 and circular economy for bolstering healthcare sector: A comprehensive view on challenges, implementation, and futuristic aspects. *Biomedical Analysis*, 1(2), 174-198.
- Singh, R., Khan, S., Dsilva, J., Akram, U., & **Haleem, A.** (2024). Modelling the Organisational Factors for Implementation of Corporate Social Responsibility: A Modified TISM Approach. *Global Journal of Flexible Systems Management*, 25(2), 283-301.
- Javaid, M., **Haleem, A.**, Singh, R. P., & Ahmed, M. (2024). Computer Vision to Enhance Healthcare Domain: An Overview of Features, Implementation, and Opportunities. *Intelligent Pharmacy*.
- Khurana, S., Mannan, B., Luthra, S., **Haleem, A.**, & Jain, V. (2024). Investigating Barriers of Sustainable Supply Chain in Apparel & Textile Sector for Realizing Net Zero Economy: An AHP Approach. In *Net Zero Economy, Corporate Social Responsibility and Sustainable Value Creation: Exploring Strategies, Drivers, and Challenges* (pp. 177-185). Cham: Springer Nature Switzerland.
- Ahmad, M., Javaid, M., & **Haleem, A.** (2024). Enhancing biocompatible metal alloy fabrication for bio implants through laser-based additive manufacturing (LBAM). *Biomedical Analysis*, 1(1), 73-85.
- Ahmad, M., Javaid, M., & **Haleem, A.** (2024). A study on fused deposition modeling (FDM) and laser-based additive manufacturing (LBAM) in the medical field. *Intelligent Pharmacy*.
- Javaid, M., **Haleem, A.**, Singh, R. P., & Sinha, A. K. (2024). Digital economy to improve the culture of industry 4.0: A study on features, implementation and challenges. *Green Technologies and Sustainability*, 100083.



- Khurana, S., Mannan, B., Jain, V., **Haleem, A.**, & Bhardwaj, V. (2024). Embracing Environmental Sustainability by Resilient Net Zero Carbon Supply Chains: A Fuzzy AHP Approach. In *Transition Towards a Sustainable Future* (pp. 49-68). Springer, Singapore.
- Javaid, M., **Haleem, A.**, Singh, R. P., & Gupta, S. (2024). Leveraging lean 4.0 technologies in healthcare: An exploration of its applications. *Advances in Biomarker Sciences and Technology*, 6, 138-151.
- Akhtar MN, **Haleem A**, Javaid M. Exploring the advent of Medical 4.0: A bibliometric analysis systematic review and technology adoption insights. *Informatics and Health*. 2024 Mar 1;1(1):16-28.
- Akhtar MN, **Haleem A**, Javaid M, Mathur S, Vaish A, Vaishya R. Artificial intelligence-based orthopaedic perpetual design. *Journal of Clinical Orthopaedics and Trauma*. 2024 Feb 3:102356.

## 2023

- **Haleem A**, Javaid M, Khan IH, Mohan S. Significant applications of Artificial Intelligence towards attaining Sustainability. *Journal of Industrial Integration and Management*. 2023; 8(04):489-520.
- **Haleem A**, Javaid M, Rab S, Singh RP, Suman R, Kumar L. Significant potential and materials used in additive manufacturing technologies towards sustainability. *Sustainable Operations and Computers*. 2023;4:172-82.
- **Haleem A**, Javaid M, Singh RP, Suman R. Exploring the revolution in healthcare systems through the applications of digital twin technology. *Biomedical Technology*. 2023; 4: 28-38.
- **Haleem, A.**, Javaid, M., Singh, R. P., & Suman, R. (2023). Exploring the revolution in healthcare systems through the applications of digital twin technology. *Biomedical Technology*, 4, 28-38.
- Fatma N, **Haleem A**. Exploring the Nexus of Eco-Innovation and Sustainable Development: A Bibliometric Review and Analysis. *Sustainability*. 2023 Aug 11;15(16):12281.
- **Haleem A**, Javaid M, Singh RP, Rab S, Suman R. Applications of Nanotechnology in Medical field. *Global Health Journal*. 2023 Feb 25.
- Javaid M, **Haleem A**, Singh RP. A study on ChatGPT for Industry 4.0: Background, Potentials, Challenges, and Eventualities. *Journal of Economy and Technology*. 2023 Aug 24.
- Akhtar MN, **Haleem A**, Javaid M. Scope of health care system in rural areas under Medical 4.0 environment. *Intelligent Pharmacy*. 2023 Jul 25.
- **Haleem A**, Javaid M, Singh RP, Suman R, Qadri MA. A pervasive study on Green Manufacturing towards attaining sustainability. *Green Technologies and Sustainability*. 2023 Feb 9:100018.
- Khan S, **Haleem A**, Khan MI. A risk assessment framework using neutrosophic theory for the halal supply chain under an uncertain environment. *Arab Gulf Journal of Scientific Research*. 2023 Jul 4.
- Javaid M, **Haleem A**, Singh RP, Khan S, Khan IH. Unlocking the opportunities through ChatGPT Tool towards ameliorating the education system. *Bench Council Transactions on Benchmarks, Standards and Evaluations*. 2023 Jun 1;3(2):100115.
- Javaid, M., **Haleem, A.**, Singh, R. P., & Suman, R. (2023). 5G technology for healthcare: Features, serviceable pillars, and applications. *Intelligent Pharmacy*.
- Rab S, Sanjid MA, Zafer A, **Haleem A**, Yadav S. A new method of optimizing the thickness of metrological surface plate using simulation analysis. *Proceedings of the Institution of Mechanical Engineers, Part B: Journal of Engineering Manufacture*. 2023 May;237(6-7):961-71.
- Javaid M, **Haleem A**. Digital Twin applications toward Industry 4.0: A Review. *Cognitive Robotics*. 2023 Apr 15.
- Khan MI, Khan S, Khan U, **Haleem A**. Modeling the Big Data challenges in context of smart cities—an integrated fuzzy ISM-DEMATEL approach. *International Journal of Building Pathology and Adaptation*. 2023 Apr 14;41(2):422-53.
- Khan S, **Haleem A**, Ngah AH, Khan MI. Exploration of risks with halal logistics: a case of emerging economy. *Journal of Global Operations and Strategic Sourcing*. 2023 Apr 13(ahead-of-print).
- Rab S, Yadav S, **Haleem A**, Zafer A. Development of High-Pressure Transducer: Design, Finite Element and Experimental Analysis. *MAPAN*. 2023 Mar 30:1-9.

- Khan S, **Haleem A**, Husain Z, Samson D, Pathak RD. Barriers to blockchain technology adoption in supply chains: the case of India. *Operations Management Research*. 2023 Mar 23:1-6.
- Javaid M, **Haleem A**, Singh RP, Suman R. Towards insighting cybersecurity for healthcare domains: A comprehensive review of recent practices and trends. *Cyber Security and Applications*. 2023 Mar 11:100016.
- Javaid M, **Haleem A**, Singh RP. ChatGPT for healthcare services: An emerging stage for an innovative perspective. *BenchCouncil Transactions on Benchmarks, Standards and Evaluations*. 2023 Feb 1;3(1):100105.
- Dhall S, Rab S, Pal SK, Javaid M, Khan AA, **Haleem A**. Identifying the feasibility of 'travelator roads' for modern-era sustainable transportation and its prototyping using additive manufacturing. *Sustainable Operations and Computers*. 2023 Jan 1;4:119-29.
- Shoeb M, Kumar L, **Haleem A**. 3D printed medical surgical cotton fabric-poly lactic acid biocomposite: A feasibility study. *Sustainable Operations and Computers*. 2023 Jan 1;4:130-46.
- Kumar A, Kumar P, Singh H, **Haleem A**, Mittal RK. Integration of reverse engineering with additive manufacturing. In *Advances in Additive Manufacturing Artificial Intelligence, Nature-Inspired, and Biomanufacturing 2023 Jan 1* (pp. 43-65). Elsevier.
- Shoeb M, Kumar L, **Haleem A**, Javaid M. Trends in additive manufacturing: an exploratory study. In *Advances in Additive Manufacturing Artificial Intelligence, Nature-Inspired, and Biomanufacturing 2023 Jan 1* (pp. 15-25). Elsevier.
- Khan M, **Haleem A**, Javaid M. Changes and improvements in Industry 5.0: A strategic approach to overcome the challenges of Industry 4.0. *Green Technologies and Sustainability*. 2023 Mar 1:100020.
- Javaid M, **Haleem A**, Singh RP, Suman R. Sustaining the healthcare systems through the conceptual of biomedical engineering: A study with recent and future potentials. *Biomedical Technology*. 2023 Mar 1;1:39-47.
- **Haleem A**, Javaid M, Singh RP, Suman R, Khan S. Management 4.0: Concept, applications and advancements. *Sustainable Operations and Computers*. 2023 Jan 1;4:10-21.
- 2022**
- **Haleem A**, Javaid M, Singh RP. An era of ChatGPT as a significant futuristic support tool: A study on features, abilities, and challenges. *BenchCouncil Transactions on Benchmarks, Standards and Evaluations*. 2023 Mar 5:100089.
- Javaid M, **Haleem A**, Singh RP, Suman R. Virtual Reality Applications in the Manufacturing Field. In *Modern Manufacturing Systems 2022 Dec 27* (pp. 107-122). Apple Academic Press.
- Khan S, **Haleem A**, Khan MI. Risk assessment model for halal supply chain using an integrated approach of IFN and D number. *Arab Gulf Journal of Scientific Research*. 2022 Dec 2(ahead-of-print).
- Javaid M, **Haleem A**, Singh RP, Rab S, Suman R, Kumar R. Studies on the metrological need and capabilities of 3D scanning technologies. *Journal of Industrial Integration and Management*. 2022 Nov 25:1-9.
- Javaid M, Khan S, **Haleem A**, Rab S. Adoption of modern technologies for implementing industry 4.0: an integrated MCDM approach. *Benchmarking: An International Journal*. 2022 Nov 8(ahead-of-print).
- Javaid M, **Haleem A**, Singh RP, Suman R. 3D printing applications for healthcare research and development. *Global Health Journal*. 2022 Nov 3.
- Javaid M, **Haleem A**, Khan IH, Suman R. Understanding the potential applications of Artificial Intelligence in Agriculture Sector. *Advanced Agrochem*. 2022 Oct 28.
- Javaid M, **Haleem A**, Singh RP, Suman R, Khan S. A review of Blockchain Technology applications for financial services. *BenchCouncil Transactions on Benchmarks, Standards and Evaluations*. 2022 Oct 22:100073.
- Rab S, Yadav S, **Haleem A**, Zafer A, Sharma R, Kumar L. Simulation Based Design Analysis of Pressure Chamber for Metrological Applications up to 200 MPa. *Indian Journal of Pure & Applied Physics (IJPAP)*. 2022 Oct 21;59(3):202-5.



- Javaid M, **Haleem A**, Singh RP, Rab S, Suman R, Kumar L. Utilization of Robotics for Healthcare: A Scoping Review. *Journal of Industrial Integration and Management*. 2022 Oct 13.
- Javaid M, **Haleem A**, Singh RP, Khan S, Suman R. An extensive study on Internet of Behavior (IoB) enabled Healthcare-Systems: Features, facilitators, and challenges. *BenchCouncil Transactions on Benchmarks, Standards and Evaluations*. 2022 Oct 1;2(4):100085.
- **Haleem A**, Javaid M, Qadri MA, Singh RP, Suman R. Artificial intelligence (AI) applications for marketing: A literature-based study. *International Journal of Intelligent Networks*. 2022 Sep 5.
- Bahl S, Bagha AK, **Haleem A**, Javaid M. Detection dogs cases about their sniffing applications in medical and future application for COVID-19 pandemic. *Current Medicine Research and Practice*. 2022 Sep 1;12(5):244.
- Rab S, Sanjid MA, Zafer A, **Haleem A**, Yadav S. A new method of optimizing the thickness of metrological surface plate using simulation analysis. *Proceedings of the Institution of Mechanical Engineers, Part B: Journal of Engineering Manufacture*. 2022 Aug 27:09544054221116702.
- **Haleem A**, Javaid M, Singh RP, Rab S, Suman R, Kumar L, Khan IH. Exploring the potential of 3D Scanning in Industry 4.0: An Overview. *International Journal of Cognitive Computing in Engineering*. 2022 Aug 18.
- Khan MI, **Haleem A**, Khan S. Examining the link between Halal supply chain management and sustainability. *International Journal of Productivity and Performance Management*. 2022 Aug 16;71(7):2793-819.
- Khan S, **Haleem A**, Fatma N. Effective adoption of remanufacturing practices: a step towards circular economy. *Journal of Remanufacturing*. 2022 Jul;12(2):167-85.
- Agarwal S, Suman R, Bahl S, **Haleem A**, Javaid M, Sharma MK, Prakash C, Sehgal S, Singhal P. Optimisation of cutting parameters during turning of 16MnCr5 steel using Taguchi technique. *International Journal on Interactive Design and Manufacturing (IJIDeM)*. 2022 Jun 23:1-2.
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- **Haleem A**, E-Governance in Rural India: An Empirical Study, *Seventh European Conference on E-Government*, Netherlands,2007
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### **Few delivered Lectures / Conference Lectures/ Keynote Speech/ Session Chaired**

- Keynote address at Malaysia, in 2021
- Keynote address in AIEOM in 2021

- Keynote address at NIT Jalandhar on different areas of Additive manufacturing in 2020, 2019, 2018
- Keynote address at Galgotia Engg College on Additive Manufacturing and # D Printing during 2021,
- Delivered Extension Lecture on "Introduction to Six Sigma" in TEQIP-II sponsored programme, two-week FDP on "Automation in Manufacturing (AIM-2015), Department of Mechanical, Production & Industrial Engineering, DTU during 0415 May 2015
- Delivered Lecture on "e-governance" in AICTE sponsored Faculty Development
- Programme On "Mechatronics & Robotics in Manufacturing Industries",
- Department of Mechanical Engineering, Faculty of Engineering & Technology (FET), Jamia Millia Islamia Feb 27 to Mar 12, 2015
- Academic Staff College, JMI, Professional Development Program for Senior Faculty on "E-Learning in Higher Education" from Jan 4 to 9<sup>th</sup> January 2010. Organised by UGC-ASC in Collaboration with FTK Centre for Information Technology
- Inaugural address in 11th Annual World Congress of the Academy for Global Business Advancement (AGBA), Indian Institute of Technology Delhi, New Delhi, India, on November 20-23, 2014
- Chaired a session 11th Annual World Congress of the Academy for Global Business Advancement (AGBA), Indian Institute of Technology Delhi, New Delhi,
- India on November 20-23, 2014. Inaugural address on "Flexible Capacity Building in
- Asia and the Pacific", on Joint Conference 7th, ICCB and 14th, GLOGIFT, Oct 16, 2014, Curtin University, Singapore
- Chaired a session on Flexible Systems Management in the 7th international conference on contemporary business & 14th global conference on flexible systems management, GLOGIFT'14, Curtin University, Singapore, 17th October 2014.
- Lecture on "Supply Chain Management Processes for Competitive Advantage", at
- College of Business and technology, Feb 17, 2012, University of Nebraska, Kearney, USA
- Lecture delivered on "Lean Manufacturing" in the one-day seminar on Advance Industrial Engineering (AIE-2011)" ITS Engineering College, Noida. Special Lecture delivered on "Recent Trends in Supply Chain Management", at Academic Staff College, JMI, on 12th September 2011
- Paper presented "Computer Information Systems-Firm Performance Following IT
- Outsourcing Decisions", 53rd, Annual National Mountain Plains Management Conference Colorado Mesa University, Colorado USA, Oct 7, 2011
- Global Institute of Flexible Systems Management (GIFT), New Jersey, USA, June,
- 2008 Conference of Non-official Directors of Central Public Sector Enterprises", Department of Public Enterprises Ministry of Heavy Industries and Public Enterprises Government of India, New Delhi, Wednesday, Jul 22, 2009, Hall No.4, Vigyan Bhavan, New Delhi.
- Presented paper /participated in the Eight Global Conference on Flexible Systems Management (GIFT) 08 held on June 14-16, 2008, at Stevens Institute of Technology, Hoboken, New Jersey, USA.
- Chaired Technical Session in the All-India Seminar on "Ergonomics for Improved Productivity, EIP2009" held at Ergonomics Research Division, Department. of Mech.
- Engg. Z. H. College of Engg. & Tech. AMU. During November 21-22, 2009
- Lecture delivered on "Lean Manufacturing" in the one-day seminar on Advance Industrial Engineering (AIE-2011)" ITS Engineering College, Noida.
- Special Lecture delivered on "Recent Trends in Supply Chain Management", at Academic Staff College, JMI, on 12th September 2011.

### **Contribution to Academics and Institutional Development**

- **Professor In-Charge, Residential Coaching Academy, CCCP, From June 2021 to Dec 2024.** With a vision and mission, I effectively ran the UPSC Civil Services Coaching program at RCA. Took charge during COVID-19 and then developed systems and processes with one of the best and most coveted All-India entrance tests. In my regime, the 2021 Topper of UPSC CSE, Ms Shruti Sharma, was from RCA. The BPSC



topper was also from RCA. I Led the RCA JMI as the country's best UPSC Civil Services Residential Coaching Academy and made this sustainable.

- **Founder, Honorary Director of Internal Quality Assurance Cell (IQAC) and Coordinator NAAC from 2010 to 2015.** Established IQAC at JMI and motivated, guided, and helped the university establish a quality vision and strategic implementation. Improved the institutional research visibility and prepared documentation for NAAC assessment and accreditation. Then, I coordinated with the University to secure an A grade in NAAC. Established systems for various Global Rankings and efforts are visible as the JMI is ranked third best University of India in 2023 and 2024.
- **Head. Mechanical Engineering from 2010 to 2013.** Effectively running B Tech, BE, M Tech, and Research programs. I bought FIST funding and SAP funding for the department, as well as DST, MoEF, and AICTE funding, and developed new labs to support the updated syllabus for B Tech, effective in 2012, and M Tech Syllabus, effective from 2011.to bring the department to the international level. In 2024, three teachers are on the list of top global researchers.
- **Founder Coordinator of MBA (Evening) program from 1996,** as Reader and then Professor from Jan 2002. His vision was to develop a full-fledged faculty of Management studies. He effectively administered the program for more than 14 years through entrance tests, syllabus design, updating, faculty arrangement, projects, day-to-day administration, drafting examinations and other regulations, and maintaining rapport with other institutions, industries, faculty, and students. This was a highly successful Executive MBA program of 3 years duration, duly approved by AICTE-approved. Here, working professionals attended classes after office hours, almost 7 days a week. In the end, they have to write the dissertation. In 2003, three of its permanent faculty were put as part of the Centre for Management Studies, and finally, in 2021, the Faculty of Management Studies was established.
- **External expert** for various international appointments, especially UK, Canada, AIT Bangkok, Malaysia, Australia, West Indies, etc.
- **Evaluator for International projects,** evaluated high-value projects from UK, Qatar, Lebanon, Iran etc.
- **Academic Council Nominee** for selection committee at various institution as AMU, DTU, NIT Jaipur, IIITM, NIT Jalandhar, UPTU, NITTR, Kashmir University, Alia University, GB Pant Engg College, Pantnagar Agricultural University, Pantnagar, IGNOU, IGDTU, IP University, University of Delhi, Apeejay, Galgotia, GNIT, Shankara, etc.
- **Organized International Conference** "Third Global Conference on Flexible Systems Management", Theme: Technology Transfer, Innovation and Flexibility for Reshaping the world... at Faculty of Engineering and Technology, Jamia Millia Islamia, New Delhi, India from 12-15 March 2004
- **Editor, E-Mat, Electronic Newsletter** of MBA Program, at Jamia Millia Islamia, New Delhi, 2001 to 2004
- **Conceptualised and Organised** National Conference on Emerging Trends in Technology Management, GLA, Mathura, 2006,
- **Instrumental in developing** Industrial Engineering Laboratories, Engineering Workshops, Material Science laboratories, Ergonomics Laboratories, Additive Manufacturing laboratories, etc.
- **Designed Syllabi of B.E. / B Tech, / M. Tech./MBA/ PhD** for Delhi College of Engineering, Jamia Millia Islamia, IGOU, G. B. Pant University, NITTR, YMCA, DTU, IGDTU, Aizwal University, Guru Nanak Institute of Management, GNIT, IIT Roorkee and various other universities, engineering, and management institutions.
- **Member of Board of Studies** of different departments at different /institutions/ universities, Pantnagar, NITJ, NITTR, Punjab University, G B Pant University, AMU, DTU, NSIT, IGNOU, etc.
- **Member of International Advisory Committee** of various international conferences/events like international research conference on Quality, Innovation and Knowledge Management, UAH, Huntsville, USA., Research Conference at the University of Monash Australia, GLOGIFT at Stevens Institute of Technology, USA, GLOGIFT at Singapore, West Indies etc.