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Professor, Department of
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RESEARCH PROFILE

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

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ResearchGate:

https://www.researchgate.net/profile/Abid_Haleem
Cite score

SCOPUS:

<https://www.scopus.com/authid/detail.uri?authoid=25627604500>

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ORCID ID: 0002-3487-0229

Web of Science Researcher ID: G-4761-2012

AWARDS AND HONOURS

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

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

Best paper award, 2012, "Computer Information Systems-Firm Performance Following IT Outsourcing Decisions", 53rd, Annual National Mountain Plains Management Conference Colorado Mesa University, Colorado, USA

BRIEF PROFILE

Dr Abid Haleem is a Professor of Mechanical Engineering, at Jamia Millia Islamia (A Central University by an Act of Parliament) in New Delhi, India. Has started MBA (Evening) program at JMI and ran successfully for 14 years. Founded, Internal Quality Assurance Cell as first Honorary Director, initiated the process of Assessment & accreditation of the University.

Has also been an Honorary Visiting Professor at IIT Delhi. His teaching & research areas include Supply Chain Management, Halal and Green Supply Chain, Additive Manufacturing, Healthcare Technologies and its management, Innovation, Technology Management, Sustainability, and allied areas of Engineering Management.

Professor Haleem is acknowledged in the list of top global scientists (Elsevier & Stanford) top 2 % in 2019 and 2020. In 2020-21 has a global rank in the top 0.4 %. Presently is Regional Editor, Global Journal of Flexible Systems Management (Springer); Associate editor with JCOT (Elsevier), MAPAN (Springer), and Journal of Orthopaedics (Elsevier), Guest Editing few Scopus / SCI-indexed journals.

Conferred with the fellowship of AGBA and has professional & life membership of IIIE, ISME, ISTE, GIFT, 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, New Delhi. Executed various research and support projects of DST, AICTE, UGC and FIST.

Independent Director, on the Board of Telecommunications Consultants India Ltd. and advisor to DTDC Ltd. Has been a member of the Ad hoc Task Force (ATF) of PMG of Cabinet Secretariat of Govt. of India. He is on the advisory/research boards of various institutions and is involved in multiple institutional activities related to policy planning, administration, and accreditation.

ACADEMIC CREDENTIALS

Doctor of Philosophy Topic: "Steel planning and Policy evaluation: a flexible systems Management approach"(Department of Mechanical Engineering, Indian Institute of Technology, Delhi (IITD), Awarded 1996)

M. Sc. Engg. (Industrial Engineering): Aligarh Muslim University, 1987 (Gold medal)

BSc. Engg. (Mechanical Engineering): Aligarh Muslim University, 1985 (Hons)

ACADEMIC POSITIONS

Jan'2002 till date

Professor, Department of Mechanical Engineering, Faculty of Engineering & Technology, Jamia Millia Islamia, New Delhi, India

July 2007- 2011 Honorary Visiting Professor, Department of Management Studies, IIT Delhi, India

Aug' 1992-Jan'2002

Reader, Department of Mechanical Engineering, Faculty of Engineering & Technology, Jamia Millia Islamia, New Delhi, India

Dec'1987-Aug'1992

Lecturer, Department of Mechanical Engineering, Faculty of Engineering & Technology, Jamia Millia Islamia New Delhi, India

Mar'1987-Nov'1987

Lecturer, Department of Mechanical Engineering, Z. H. College of Engineering and Technology, AMU, Aligarh, India

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 modelling and systems approach
- Healthcare technologies and healthcare management

Major Government research grants and projects

- DST-FIST of INR 1.32 crores for Mechanical Engineering, 2013-18
- DST Project on Technology Forecasting and Technology Assessment, of INR 1.6 million in 2011-13
- MODROBS project on, "Modernisation of Fluid Mechanics Laboratory, 1.5 million INR 2012-13
- 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 /Industry

- Green Practices, joint research, teaching programmes and international activities collaboration with the School of Built Environment at the University of Salford. (UK), 2007-2009
- Worked for Department for International Funding (DFID), for "Organizational Review of Government of India Press of Orissa", 2003
- Performed project on "SMC Dialog Plus of Allen Bradley", at Milwaukee School of Engineering, Milwaukee, Wisconsin, USA. Project sponsored by Rockwell Automation, USA. Teamwork with researchers and professors from 13 countries from Jul 2 to Aug 14' 2001 Indian Industry / Academic Project
- Worked with Ministry of Human Resource Development for providing detailed project report (DPR) for the establishment of School of Engineering and Technology, Aizwal, 2006

Major Professional Activities

- **Independent Director**, Telecom Consultants of India Limited, (A Govt. of India Enterprise) from July 2008 to July 2011 to 2014
- **Founder Director (Honorary), Internal Quality Assurance Cell** of Jamia Millia Islamia, New Delhi-110025, from 2010- to Nov 2015
- **Vice President**, Society for Construction Law (SCL) India in 2016-18
- **Advisor, DTDC Institute of Supply Chain Management**, from 2011 to 2020
- **Member Ad-hoc Task Force, Performance Management Group, Cabinet Secretariat**, Result Framework Document, infrastructure Development, former 2012 to 2015
- **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 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
- **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 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 the publication of, "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
- **Member** Society of 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

Teaching Interests

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

Research Interests

- Industry 4.0 and applications in healthcare
- 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

PhD 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 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 in 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 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 Parameter of 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 Halal Supply Chain
30. A multimethod study Measurement and modelling with rapid prototyping
31. Additive manufacturing in Supply Chain
32. Developing High Pressure Sensors and accessories

Ongoing PhDs with research areas

- Management of Eco-Innovation
- Additive Manufacturing for Composite
- Relating Work from Home and happiness
- Embracement of Circular economy towards 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

EDITORIAL RESPONSIBILITIES & RESEARCH REVIEWS

Editorial board responsibilities

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

Ongoing Special issues

Reviewers of Journal

- 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 recognised as a top reviewer by Publons in 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
- "Work System Design and Product Design and Development", (2008) Indira Gandhi National Open University, New Delhi, India
- Luthra, S., Kumar, S., Garg, D., and Haleem, A. (2013). "Enabling of Green Supply Chain Management Implementation in Indian Manufacturing Industry" by CreateSpace Independent Pub

- "Innovation, Flexibility and Technology Transfer", (2004) published by Tata McGraw Hill Publishing Co Ltd, New Delhi, India
- "Proceedings of the International Conference and Exhibition on Building Utilities 2016" Published by Enriched Publications Pvt Ltd. New Delhi, ISBN:978163535676

Contribution in 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

2022

- Haleem A, Javaid M, Qadri MA, Suman R. Understanding the Role of Digital Technologies in Education: A review. *Sustainable Operations and Computers*. 2022 May 23.
- Javaid M, Haleem A, Singh RP, Suman R, Hussain B, Rab S. Extensive Capabilities of Additive Manufacturing, and Its Metrological Aspects. *MAPAN*. 2022 Jun 18:1-4.
- 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.
- Javaid M, Haleem A, Singh RP, Rab S, Suman R, Khan IH. Evolutionary Trends in Progressive Cloud Computing based Healthcare: Ideas, Enablers, and Barriers. *International Journal of Cognitive Computing in Engineering*. 2022 Jun 9.
- Ashima R, Haleem A, Bahl S, Nandan D, Javaid M. Automation of AM Via IoT Towards Implementation of e-logistics in Supply Chain for Industry 4.0. In *Recent Advances in Mechanical Engineering 2023* (pp. 181-189). Springer, Singapore.
- Javaid M, Haleem A, Singh RP, Khan S, Suman R. Sustainability 4.0, and its applications in the field of manufacturing. *Internet of Things and Cyber-Physical Systems*. 2022 Jun 14.
- Haleem A, Javaid M, Singh RP, Suman R, Rab S. Holography, and its applications for industry 4.0: An overview. *Internet of Things and Cyber-Physical Systems*. 2022 May 14.
- Javaid M, Haleem A, Singh RP, Suman R, Rab S. Significance of machine learning in healthcare: Features, pillars, and applications. *International Journal of Intelligent Networks*. 2022 Jun 5.
- Haleem A, Javaid M, Singh RP, Rab S, Suman R. Perspectives of cybersecurity for ameliorative Industry 4.0 era: a review-based framework. *Industrial Robot: the international journal of robotics research and application*. 2022 Feb 16.
- Ammar M, Haleem A, Javaid M, Bahl S, Verma AS. Implementing Industry 4.0 technologies in self-healing materials and digitally managing the quality of manufacturing. *Materials Today: Proceedings*. 2022 Jan 1; 52:2285-94.
- Khan S, Singh R, Haleem A, Dsilva J, Ali SS. Exploration of critical success factors of logistics 4.0: a DEMATEL approach. *Logistics*. 2022 Feb 6;6(1):13.
- Javaid M, Haleem A, Singh RP, Suman R. Artificial intelligence applications for industry 4.0: A literature-based study. *Journal of Industrial Integration and Management*. 2022 Mar 21;7(01):83-111.
- Kamran SS, Haleem A, Bahl S, Javaid M, Nandan D, Verma AS. Role of smart materials and digital twin (DT) for the adoption of electric vehicles in India. *Materials Today: Proceedings*. 2022 Jan 1; 52:2295-304.
- Qazi AM, Mahmood SH, Haleem A, Bahl S, Javaid M, Gopal K. The impact of smart materials, digital twins (DTs) and Internet of things (IoT) in an Industry 4.0 integrated automation industry. *Materials Today: Proceedings*. 2022 Feb 10.



- Javaid M, Haleem A, Suman R. Major Advancements of Industry 4.0 to Overcome Challenges in Manufacturing during the COVID-19 Pandemic. In *Cyber-Physical Systems: Solutions to Pandemic Challenges* 2022 Mar 3 (pp. 157-182). CRC Press.
- Rab S, Hayat A, Haleem A, Javaid M, Hasija MK. Supply chain and logistics for COVID-19 vaccines: Challenges and opportunities. *Apollo Medicine*. 2022 Jan 1;19(1):24.
- Haleem A, Javaid M, Suman R, Vaishya R. Exploring the capabilities of modern technologies for health care. *Apollo Medicine*. 2022 Jan 1;19(1):37.
- Rab S, Zafer A, Kumar Sharma R, Kumar L, Haleem A, Yadav S. National and Global Status of the High-Pressure Measurement and Calibration Facilities. *Indian Journal of Pure & Applied Physics (IJPAP)*. 2022 Jan 17;60(1):38-48.
- Dixit C, Haleem A, Javaid M. Differentiating the SARS-CoV-2 Omicron (B. 1.1. 529) variant from other COVID-19 variants of concerns and the common cold. *Apollo Medicine*. 2022 Jan 1;19(1):70-
- Khurana S, Luthra S, Haleem A, Kumar A, Mannan B. Can sustainability be achieved through sustainable oriented innovation practices? Empirical evidence of micro, small and medium scale manufacturing enterprises. *Sustainable Development*. 2022 Apr 28.
- Kumar L, Haleem A, Javaid M. Systematic Development in Medical by Using 3D Printing Technology: A Brief Review. *Journal of Industrial Integration and Management*. 2022 Apr 22:2231001.

2021

- **Haleem A**, Javaid M. Different components, features of Industry 4.0 and their linkage to additive manufacturing. *International Journal of Business Innovation and Research*. 2021;26(3):366-89.
- Haleem A, Javaid M. Different components, features of Industry 4.0 and their linkage to additive manufacturing. *International Journal of Business Innovation and Research*. 2021;26(3):366-89.
- Haleem A, Javaid M, Singh RP, Suman R. Significant roles of 4D printing using smart materials in the field of manufacturing. *Advanced Industrial and Engineering Polymer Research*. 2021 May 31.
- Javaid M, Haleem A, Singh RP, Rab S, Suman R. Exploring impact and features of Machine Vision for progressive Industry 4.0 culture. *Sensors International*. 2021 Nov 6:100132.
- Haleem A, Javaid M, Suman R, Singh RP. 3D Printing Applications for Radiology: An Overview. *Indian Journal of Radiology and Imaging*. 2021 Jan;31(01):010-7.
- Kumar L, Haleem A, Javaid M. Impact of three-dimensional printing in orthopaedics. *Global Health Journal*. 2021; 5(4): 178-182.
- Javaid M, Haleem A, Singh RP, Rab S, Suman R, Khan S. Exploring relationships between Lean 4.0 and manufacturing industry. *Industrial Robot: the international journal of robotics research and application*. 2021 Oct 22.
- Haleem A, Javaid M, Singh RP, Suman R, Rab S. Blockchain technology applications in healthcare: An overview. *International Journal of Intelligent Networks*. 2021 Sep 15.
- Javaid M, **Haleem A**, Singh RP, Khan S, Suman R. Blockchain technology applications for Industry 4.0: A literature-based review. *Blockchain: Research and Applications*. 2021 Aug 12:100027.
- Javaid M, **Haleem A**, Singh RP, Suman R, Rab S. Role of Additive Manufacturing applications towards environmental sustainability. *Advanced Industrial and Engineering Polymer Research*. 2021 Aug 10.
- Javaid M, **Haleem A**. 3D Bioprinting applications for printing of skin: A brief study. *Sensors International*. 2021 Jul 31:100123.
- Javaid M, **Haleem A**, Singh RP, Rab S, Suman R. Internet of behaviours (IoB) and its role in customer services. *Sensors International*. 2021 Jul 30:100122.
- **Haleem A**, Javaid M, Singh RP, Suman R. Telemedicine for Healthcare: Capabilities, features, barriers, and applications. *Sensors International*. 2021 Jul 24:100117.
- Javaid M, **Haleem A**, Singh RP, Suman R. Pedagogy, and innovative care tenets in COVID-19 pandemic: An enhance way through Dentistry 4.0. *Sensors International*. 2021 Jul 24:100118.
- Javaid M, **Haleem A**, Rab S, Singh RP, Suman R. Sensors for daily life: a review. *Sensors International*. 2021 Jul 24:100121.

- Arshad MO, Khan S, **Haleem A**, Mansoor H, Arshad MO, Arshad ME. Understanding the impact of Covid-19 on Indian tourism sector through time series modelling. *Journal of Tourism Futures*. 2021 Jul 16.
- Bahl S, Bagha AK, Javaid M, **Haleem A**. Advancement of multi-agent system in healthcare during COVID-19 pandemic. *Current Medicine Research and Practice*. 2021 Jul 1;11(4):199.
- Javaid M, **Haleem A**, Singh RP, Suman R. Significance of Quality 4.0 towards comprehensive enhancement in manufacturing sector. *Sensors International*. 2021 Jun 24:100109.
- Husain Z, Maqbool A, **Haleem A**, Pathak RD, Samson D. Analysing the business models for circular economy implementation: a fuzzy TOPSIS approach. *Operations Management Research*. 2021 Jun 17:1-6.
- Javaid M, **Haleem A**, Singh RP, Rab S, Suman R. Significance of Sensors for Industry 4.0: Roles, Capabilities, and Applications. *Sensors International*. 2021 Jun 17:100110.
- Javaid M, **Haleem A**, Singh RP, Suman R. Substantial Capabilities of Robotics in Enhancing Industry 4.0 implementation. *Cognitive Robotics*. 2021 Jun 6.
- **Haleem A**, Javaid M, Singh RP, Suman R. Quality 4.0 technologies to enhance traditional Chinese medicine for overcoming healthcare challenges during COVID-19. *Digital Chinese Medicine*. 2021 Jun 1;4(2):71-80.
- **Haleem A**, Khan MI, Khan S. Understanding the Adoption of Halal Logistics through Critical Success Factors and Stakeholder Objectives. *Logistics*. 2021 Jun;5(2):38.
- 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*. 2021 Jun 1.
- Javaid M, **Haleem A**, Singh RP, Suman R. Dentistry 4.0 technologies applications for dentistry during COVID-19 pandemic. *Sustainable Operations and Computers*. 2021 May 29.
- Tasneem I, Ariz A, Bharti D, **Haleem A**, Javaid M, Bahl S. 3D Printing Technology and its Significant Applications in the Context of Healthcare Education. *Journal of Industrial Integration and Management*. 2021 May 25:1-8.
- **Haleem A**, Javaid M, Singh RP, Suman R, Rab S. Biosensors applications in medical field: A brief review. *Sensors International*. 2021 May 13:100100.
- **Haleem A**, Khan S, Luthra S, Varshney H, Alam M, Khan MI. Supplier evaluation in the context of circular economy: A forward step for resilient business and environment concern. *Business Strategy and the Environment*. 2021 May;30(4):2119-46.
- Rab S, Sanjid MA, Zafer A, Yadav S, **Haleem A**. Simulation of Kinematic Supports of Surfaces Plates for Optimum Flatness Tolerance. *MAPAN*. 2021 Apr 26:1-8.
- Khan MI, **Haleem A**, Khan S. Examining the link between Halal supply chain management and sustainability. *International Journal of Productivity and Performance Management*. 2021 Apr 6.
- Azeem M, **Haleem A**, Javaid M. Symbiotic relationship between machine learning and Industry 4.0: A review. *Journal of Industrial Integration and Management*. 2021 Mar 19:2130002.
- **Haleem A**, Khan S, Pundir H, Jain A, Upadhyay P, Khan MI. Investigating barriers toward the implementation of circular economy: A fuzzy CRITIC approach. *Journal of Industrial Integration and Management*. 2021 Mar 8;6(01):107-39.
- Javaid M, **Haleem A**, Singh RP, Suman R. Significant applications of big data in Industry 4.0. *Journal of Industrial Integration and Management*. 2021 Mar 4:1-9.
- Azeem M, **Haleem A**, Bahl S, Javaid M, Suman R, Nandan D. Big data applications to take up major challenges across manufacturing industries: A brief review. *Materials Today: Proceedings*. 2021 Feb 27.
- Khurana S, **Haleem A**, Luthra S, Mannan B. Evaluating critical factors to implement sustainable oriented innovation practices: An analysis of micro, small, and medium manufacturing enterprises. *Journal of Cleaner Production*. 2021 Feb 20; 285:125377.
- Khan S, **Haleem A**. Investigation of circular economy practices in the context of emerging economies: a CoCoSo approach. *International Journal of Sustainable Engineering*. 2021 Jan 13:1-1.
- Khurana S, **Haleem A**, Luthra S, Huisingsh D, Mannan B. Now is the time to press the reset button: Helping India's companies to become more resilient and effective in overcoming the impacts of COVID-19, climate changes and other crises. *Journal of cleaner production*. 2021 Jan 20; 280:124466.

- Khan S, **Haleem A**, Khan MI. Assessment of risk in the management of Halal supply chain using fuzzy BWM method. In Supply Chain Forum: An International Journal 2021 Jan 2 (Vol. 22, No. 1, pp. 57-73). Taylor & Francis.
- Javaid M, **Haleem A**, Singh RP, Rab S, Suman R. Upgrading the manufacturing sector via applications of Industrial Internet of Things (IIoT). Sensors International. 2021 Jan 1; 2:100129.
- Haq MI, Raina A, Ghazali MJ, Javaid M, **Haleem A**. Potential of 3D Printing Technologies in Developing Applications of Polymeric Nanocomposites. In Tribology of Polymer and Polymer Composites for Industry 4.0 2021 (pp. 193-210). Springer, Singapore.
- Javaid M, **Haleem A**, Singh RP, Suman R. Industrial perspectives of 3D scanning: features, roles, and its analytical applications. Sensors International. 2021; 2:100114.
- Shuaib M, **Haleem A**, Kumar S, Javaid M. Impact of 3D Printing on the environment: A literature-based study. Sustainable Operations and Computers. 2021; 2:57-63.
- **Haleem A**, Javaid M, Singh RP, Suman R. Applications of Artificial Intelligence (AI) for cardiology during COVID-19 pandemic. Sustainable Operations and Computers. 2021; 2:71-8.
- Khan MI, Khan S, **Haleem A**. Modernizing Ergonomics Through Additive Manufacturing Technology. Ergonomics for Improved Productivity: Proceedings of HWWE 2017. 2021:157.
- Rizvi AT, **Haleem A**, Bahl S, Javaid M. Artificial Intelligence (AI) and Its Applications in Indian Manufacturing: A Review. Current Advances in Mechanical Engineering. 2021:825.
- Fatma N, **Haleem A**, Bahl S, Javaid M. Prospects of Jewelry Designing and Production by Additive Manufacturing. Current Advances in Mechanical Engineering. 2021:869.
- Rab S, Yadav S, Jaiswal SK, **Haleem A**, Aswal DK. Quality Infrastructure of National Metrology Institutes: A Comparative Study. Indian Journal of Pure & Applied Physics. 2021; 59: 285-303.
- 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. 2021, 59; 202-205
- Suman R, Javaid M, Choudhary SK, **Haleem A**, Singh RP, Nandan D, Ali S, Rab S. Impact of COVID-19 Pandemic on Particulate Matter (PM) concentration and harmful gaseous components on Indian metros. Sustainable Operations and Computers. 2021 Jan 1; 2:1-1.
- Chatwani B, Nimesh D, Chauhan K, Shuaib M, **Haleem A**. Current Status, Applications, and Factors Affecting Implementation of Additive Manufacturing in Indian Healthcare Sector: A Literature-Based Review. In Advances in Manufacturing and Industrial Engineering 2021 (pp. 1015-1030). Springer, Singapore.
- Tanveer MQ, Suhaib M, **Haleem A**. A Retrospective Investigation of Mechanical and Physical Properties of ABS Specimen Developed by Manual Injection Moulding and Fused Deposition Modelling. In Advances in Electromechanical Technologies 2021 (pp. 965-978). Springer, Singapore.
- Arora PK, Arora R, **Haleem A**, Kumar H. Application of additive manufacturing in challenges posed by COVID-19. Materials Today: Proceedings. 2021 Jan 1; 38:466-8.
- **Haleem A**, Gupta P, Bahl S, Javaid M, Kumar L. 3D scanning of a carburetor body using COMET 3D scanner supported by COLIN 3D software: Issues and solutions. Materials Today: Proceedings. 2021 Jan 1; 39:331-7.
- **Haleem A**, Javaid M. Industry 4.0 and its applications in dentistry. Indian Journal of Dental Research. 2020 Sep 1; 31(5):824.
- Softa A, Bahl S, Bagha AK, Sehgal S, **Haleem A**, Javaid M. Tissue Engineering, and its Significance in Healthcare during COVID-19 Pandemic: Potential Applications and Perspectives. Journal of Industrial Integration and Management. 2021 Jan 27.
- Arora R, **Haleem A**, Arora PK, Kumar H. Impact of Integrating Artificial Intelligence with IoT-Enabled Supply Chain—A Systematic Literature Review. Advances in Manufacturing and Industrial Engineering. 2021:1183-8.
- Ammar M, **Haleem A**, Javaid M, Walia R, Bahl S. Improving material quality management and manufacturing organisations system through Industry 4.0 technologies. Materials Today: Proceedings. 2021. <https://doi.org/10.1016/j.matpr.2021.01.585>

- Singh RP, **Haleem A**, Javaid M, Kataria R, Singhal S. Cloud computing in solving problems of COVID-19 pandemic. *Journal of Industrial Integration and Management*. 2021 Jan 25.
- Azeem M, **Haleem A**, Javaid M. Symbiotic relationship between machine learning and Industry 4.0: A review. *Journal of Industrial Integration and Management*. 2021 Feb 8.
- Ashima R, **Haleem A**, Bahl S, Javaid M, Mahla SK, Singh S. Automation and manufacturing of smart materials in Additive Manufacturing technologies using Internet of Things towards the adoption of Industry 4.0. *Materials Today: Proceedings*. 2021; <https://doi.org/10.1016/j.matpr.2021.01.583>
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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 9th 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

- **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 its strategic implementation. Improved the institutional research visibility and prepared documentation for NAAC assessment and accreditation. Then coordinated the institution to secure an A grade in NAAC
- **Head. Mechanical Engineering from 2010 to 2013.** Effectively running B Tech, BE, MTech, and Research programs. Bought FIST and SAP to the department and DST, MoEF, and AICTE funding, developed new labs to support the updated syllabus for B Tech effective from 2012 and M Tech Syllabus effective from 2011. to bring the department to the international level.
- **Founder Coordinator MBA (Evening) program from 1996,** as Reader and then Professor from Jan 2002 to **2010.** Effectively administered the program through syllabus design, updating, faculty arrangement, projects, day-to-day administration, drafting examination regulations and other regulations, and maintaining rapport with other institutions, industry, faculty, and the students. This was highly successful Executive MBA program of 3 years duration were working professionals, attended classes after office hours, almost 7 days a week. In the end, they have to write dissertation.

- **Academic Council Nominee** for selection committee at the various institution as AMU, DTU, NIT Jaipur, IIITM, NIT Jalandhar, NITTR, Kashmir University, Alia University, GB Pant Engg College, Pantnagar Agricultural University, Pantnagar, IGNOU, 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 Laboratory, Engineering Workshop, Material Science laboratory, Ergonomics Laboratory, Additive Manufacturing laboratory etc.
- **Designed Syllabi of B.E. / B Tech, M. Tech./MBA** 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 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.