

## Dr. Usha Gupta

- Profile Description: Dr. Usha Gupta working as an Assistant Professor in BBA department at Bharati Vidyapeeth Institute of Management and Research. She has 12 years of teaching experience in the area of quantitative techniques, statistics, and mathematics. Her area of research interest is the development of optimization models in the field of transportation problems. She has published numerous research papers in SCI journals.
- Designation: Assistant professor
- Education
  - PhD in Operational Research from University of Delhi
  - M.Phil in Operational Research from University of Delhi
  - M.Sc in Operational Research from University of Delhi
  - B.Sc (Hons.) in Mathematics from University of Delhi
- Experience: 12 years of teaching experience
- Research: Sustainable transportation network, Multi-objective optimization, Integrated Multi-criteria decision-making techniques
- Conferences
  - Paper Presented in International conference on "Sustainable development: Modeling and optimization (ICSDMO)" at Operational Research Society of India (February 16- 17, 2021).
  - Paper presented in 3rd International conference on "Soft computing and mathematical modeling" at KIET Group of institutions, Ghaziabad (U.P) (December 22-23, 2019).
  - Attended International Conference on "Recent advances in Optimization Theory and applications" at University of Delhi (RAOTA 2016).
  - Paper Presented in international conference on "Advances in Management and Decision Sciences" at School of Management, Gautam Buddha University. (2015)
- Achievements
  - Done certified course PGCHE (Post Graduation in Higher Education) from NTU (Nottingham Trent University).
  - Secured first position in M.Phil from Delhi University.
  - Received excellence in academic award for securing the highest position in M.Sc OR (Prev.) from Ramjas College.

- Publications

- Faizan Ahemad, Devika Kannan, Ahmad Zaman Khan, Pankaj Gupta, Mukesh Kumar Mehlawat, and Usha Aggarwal, 2025. "Optimizing sustainable transportation planning for perishable goods: A two-stage fuzzy approach with route selection", Research in Transportation Business & Management, vol. 64, 101537. Impact Factor: 4.4.
  - Usha Aggarwal, Mukesh Kumar Mehlawat, Pankaj Gupta, and V. Charles, 2024. "An optimization model for sustainable multi-commodity transportation planning", RAIRO Operations Research, vol. 58, 1835-1869. Impact Factor: 2.1.
  - Pankaj Gupta, Mukesh Kumar Mehlawat, Usha Aggarwal, and Ahmad Zaman Khan, 2022. "An optimization model for a sustainable and socially beneficial four-stage supply chain", Information Sciences, vol. 594, 371-399. Impact Factor: 6.8.
  - Pankaj Gupta, Mukesh Kumar Mehlawat, Usha Aggarwal, and V. Charles, 2021. "An integrated AHP-DEA multi-objective optimization model for sustainable transportation in mining industry", Resources Policy, vol. 74, 101180. Impact Factor: 10.2.
  - Mukesh Kumar Mehlawat, Devika Kannan, Pankaj Gupta, and Usha Aggarwal, 2019. "Sustainable transportation planning for a three-stage fixed charge multi-objective transportation problem", Annals of Operations Research, vol. 349, 649-685. Impact Factor: 4.5.
- LinkedIn Link: <https://www.linkedin.com/in/dr-usha-gupta-91160b8/>
  - Email ID: [usha.gupta@bharativedyapeeth.edu](mailto:usha.gupta@bharativedyapeeth.edu)