



Name : Dr Haresh Kumar Sharma
Designation : Assistant Professor of Operations
and Decision Sciences
Institution : BIMTECH, Greater Noida
Email : hareshkumar.sharma@bimtech.ac.in
Phone : 0120-6843000-6843010
Mobile : +91-8918927372, 8900630163

BIOSKETCH: I completed my M. Tech (Operation Research) and earned PhD from the National Institute of Technology (NIT), Durgapur, west Bengal, India. My area of expertise is Statistics and Operation Research, Rough Set Theory, Time series Forecasting, Multi-criteria decision-making, and Optimisation theory. I have gained Seven years of research and teaching experience. He has also published various research papers in ABDC-(A)/Web of Sciences/SCOPUS reaching 324 citations with a 7-H-index. I am also a peer reviewer of various reputed journals like the Journal of Cleaner Production, Sustainability, and Applied Sciences. He has guided one PhD thesis and five PG dissertations. I am currently supervising two PhD thesis at SGT University.

EDUCATION: (TOP 3/4)

- **PhD in Mathematics from National Institute of Technology (NIT) Durgapur, 2019.**
- **M.Tech in Operation Research from National Institute of Technology (NIT) Durgapur, 2014.**
- **M.Sc. in Mathematics from Dr B.R. Agra University, 2007.**
- **B.Sc. in Mathematics from Dr B.R. Agra University, 2005.**

AREA OF INTEREST AND RESEARCH

Rough set theory, Statistics, Data Science, Optimization theory, Calculus, Numerical Analysis.

TEACHING COURSES AND NEW COURSES DEVELOPED

Probability and Statistics, Biostatistics, Calculus, Remedial Mathematics, Operations research, Work on R and Python programming software, and Statistics using Python.

EXPERIENCE

- Assistant Professor, Department of Mathematics at SGT University Gurugram, Haryana-122505, India, from 23 November 2020 to 09 November 2023.
- Assistant Professor, Department of Applied Sciences at P.K. Institute of Technology and Management, Mathura, 1 July 2009 to 30 July 2012.

PROFESSIONAL ASSOCIATION AND BOARD PARTICIPATION

- NEP coordinator of Faculty of Sciences at SGT University.
- Member of Digital Committee of Faculty of Sciences at SGT University
- Member of Alumni of Placement Cell of Faculty of Sciences at SGT University

RECOGNITIONS AND AWARDS

RESEARCH FUNDING AND CONSULTING

RESEARCH PAPERS AND WORKING PAPERS

- Criteria Selection of Housing Loan Based on Dominance-Based Rough Set Theory: An Indian Case, A Singh, A Singh, HK Sharma, S Majumder, Journal of Risk and Financial Management, 2023, 1911-8074
- Effect of Energy in Sustainability Performance of Organization Singh, A., Sushil, S., & Sharma, H.K, Environment, Development and Sustainability, 2023 1573-2975.
- Risk Factors Assessment of Traumatic Head Injury (TBI) Among Patients Reporting at An Apex Hospital of Gurugram: An Observational Study Chamola, S.K., Sharma, H.K., Kumar, S. & Kumar, J Journal of Survey in Fisheries Sciences, 2023, 2368-7487
- On enhanced intelligent water drops algorithm for travelling salesman problem under uncertain paradigm Halder, S., Sharma, H.K., Biswas, A., Prentkovskis, O., Majumder, S., & Skačkauskas, P Transport and Telecommunication, 2023, 1407-6179
- On the analytical study of the service quality of Indian railways under soft-computing paradigm. Majumder S., Singh A., Singh A., Karpenko M., Sharma H. K.,* Mukhopadhyay S. Transport, 2023(Accepted), 1648-3480.
- A Study on Decision-Making of the Indian Railways Reservation System during COVID-19 Sharma, H. K., Majumder, S., Biswas, A., Prentkovskis, O., Kar, S. & Skačkauskas, P, Journal of Advanced Transportation, 2022 2042-3195.

- Criteria selection and decision making of hotels using Dominance Based Rough Set Theory Sharma, H. K., Singh, A., Yadav, D., & Kar, S Operational Research in Engineering Sciences: Theory and Applications, 2022 2620-1747.
- Forecasting foreign tourist arrivals in India using a single time series approach based on rough set theory Kumari, K, Sharma, H. K., Chandra, S. & Kar, S, International Journal of Computing Science and Mathematics, 2022 1752-5063.
- Forecasting sugarcane yield of India based on rough set combination approach, H. K. Sharma, K. Kumari, and S. Kar, Decision Making: Applications in Management and Engineering, 2021, 2620-0104.
- A rough set theory application in forecasting models Sharma, H. K., Kumari, K & Kar, S, Decision Making: Applications in Management and Engineering, 2021, 2620-0104.
- Short-term forecasting of air passengers based on hybrid rough set and double exponential smoothing model, H. K. Sharma, K. Kumari, and S. Kar Intelligent automation and soft computing, 2019, 2326-005X.
- An extended COPRAS model for multi-criteria decision making problem and its application in web-based hotel evaluation and selection Roy, J., Sharma, H., Kar, S., Zavadskas, K., Saparauskas, J, Economic Research-Ekonomiska Istrazivanja, 2019, 1 848-9664.
- Air passengers forecasting for Australian airline based on hybrid rough set approach Sharma, H. K., Kumari, K & Kar, S. Journal of Applied Mathematics, Statistics and Informatics. 2018, 1339-0015.
- Multi-Criteria Evaluation Framework for Prioritizing Indian Railway Stations Using Modified Rough AHP-Mabac Method Sharma, H. K., Roy, J., Kar, S. Prentkovskis, O, Transport and Telecommunication Journal, 2018, 1407-6179.
- Decision Making for Hotel Selection using Rough Set Theory: A case study of Indian Hotels Sharma, H. K., & Kar, S. International Journal of Applied Engineering Research, 2018, 0973-9769.

EDITORIAL POSITIONS AND REVIEWS

REVIEWERSHIP of

Journal Cleaner Production since 2019 till now

Journal Sustainability since 2022 till now

Journal Mathematics since 2023 till now

CONFERENCE, SEMINAR PAPER AND PRESENTATIONS