

## FACULTY PROFILE



**Name:** Dr. Nidhi Kumar

**Designation:** Assistant Professor (Mathematics)

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### **Professional Qualification:**

- Ph.D. (Mathematics)

### **Publications (Journals & Conferences):**

- Chandra K Jaggi, A. K. Bhunia, Anuj Sharma and Nidhi (2012). Fuzzy EOQ model for deteriorating items with price dependent demand and time – varying holding cost, International Journal of Advanced Modeling and Optimization, 14(3): 557-576. 2.
- Chandra K Jaggi, Sarla Pareek, Anuj Sharma and Nidhi (2012). Fuzzy inventory model for deteriorating items with time- varying demand and shortages, American Journal of Operational Research, 2(6): 81-92.
- Chandra K Jaggi, Sarla Pareek, Anuj Sharma and Nidhi (2012). A fuzzy inventory model for weibull deteriorating items with price-dependent demand and shortages under permissible delay in payment, International Journal of Applied Industrial Engineering, 1(2): 53-79.
- Chandra K Jaggi, Sarla Pareek, Satish K. Goel and Nidhi (2015). An inventory model for deteriorating items with ramp type demand under fuzzy environment, International Journal of Logistics Systems and Managements, 22(4):436-463.
- Chandra K. Jaggi, Aditi Khanna, Sarla Pareek and Nidhi (2016). Optimal replenishment policy for fuzzy inventory model with deteriorating items and allowable shortages under

inflationary conditions, Yugoslav Journal of Operations Research, DOI:10.2298/YJOR150202002Y.

➤ Chandra K. Jaggi, Aditi Khanna and Nidhi (2016). Effects of inflation and time value of money on an inventory system with deteriorating items and partially backlogged shortages. International journal of Industrial Engineering Computations, 7:267-282.

### **Workshops/Seminars/FDPs**

➤ Attended an International Webinar on ‘Role of Operations Research during Pandemic’ held on 17th -20th December 2020.

➤ Attended and presented a paper at “National Conference on Applied Mathematics”, held on 4th - 5th May, 2012 at PIET, Vadodara.

➤ Attended a National Workshop on “Inventory and Transportation”, held on 15th - 18th, March 2012 at Banasthali University, Rajasthan.

➤ Attended a National Workshop on “Inventory Modeling”, held on 4th - 7th March, 2011 at Banasthali University, Rajasthan.

➤ Attended a Workshop on “Block Design and its Application”, held on 5th - 7th Feb, 2011 at Banasthali University, Rajasthan.

➤ Attended a Workshop on “Latex and other Open Source Software”, held on 25th - 27th March, 2010 at Banasthali University, Rajasthan.

➤ Attended a National workshop on “Mathematical Modeling”, held on 15th - 19th December, 2009 at Banasthali University, Rajasthan.

### **Work Experience:**

➤ August 2023 onwards: Working as Assistant Professor in SRM Institute of Science and Technology, Modinagar (UP).

➤ Sep. 2021- June 2023: Worked as “Faculty on Contract” in Gautam Budhha University, Greater Noida (UP).

➤ Sep. 2020 – May 2021: Worked as “Guest Faculty on Contract” in Gautam Budhha University, Greater Noida.

➤ 2011-2014: Worked as Researcher (Inventory Management) under the guidance of Prof. & Head (Dr.) Chandra K. Jaggi in Dept. of Operational Research, Delhi University.

➤ 2010-2011: Worked as Research Associate in Banasthali University, Rajasthan and simultaneously taught under-graduate and graduate level