

AMIT KUMAR VATSA

Ph: +91-731 2439 483, Email: amitv@iimdr.ac.in

EDUCATION

- Fellow Programme in Management (FPM), *June 2011 – July 2015*
Production and Quantitative Methods, Indian Institute of Management, Ahmedabad
Thesis: Multi-period facility location problem with an uncertain number of servers
Supervisors: Prof. Diptesh Ghosh and Prof. Sachin Jayaswal
Received IFCI thesis Award 2016
- Post Graduate Diploma in Management (PGDM) *June 2008 – March 2010*
Indian Institute of Management, Lucknow
- Bachelor of Technology (B.Tech.), Chemical Engineering *July 2001 – May 2005*
Indian Institute of Technology, Kharagpur

PROFESIONAL EXPERIENCE

- Assistant Professor *June 2018 – Present*
Indian Institute of Management, Indore
- Functional Architect *August 2015-June 2018*
JDA Software
- Worked in product development team as an operations researcher designing revenue management and pricing solutions for air cargo and leisure travel.
 - Formulated mathematical models of business problems while delivering scalable algorithms.
 - Received two “pillar team” awards (2016 and 2017) for extensive product enhancement.
- Process Design and Development Engineer *October 2005 - June 2008*
Engineers India Limited
- Provided consulting services for designing/enhancements of refineries and petrochemical plants.

RESEARCH INTERESTS

Facility location, Hub and spoke network design, OR in healthcare, Large-scale optimization, Metaheuristics

PUBLICATIONS

Journal Papers

Vatsa, A. K., & Jayaswal, S. (2016). A new formulation and Benders decomposition for the multi-period maximal covering facility location problem with server uncertainty. *European Journal of Operational Research*. 251(2), 404-418.

Working Papers

Vatsa, A. K., & Jayaswal, S. (2015). *A new formulation and Benders' decomposition for multi-period facility location problem with server uncertainty* (No. WP2015-02-07). Indian Institute of Management Ahmedabad, Research and Publication Department.

Vatsa, A. K., & Ghosh, D. (2014). *Tabu Search for Multi-Period Facility Location: Uncapacitated Problem with an Uncertain Number of Servers* (No. WP2014-11-03). Indian Institute of Management Ahmedabad, Research and Publication Department.

CONFERENCE PRESENTATIONS

Vatsa, A. (2014). *Multi-Period Facility Location Problem with an Uncertain Number of Servers*. Presented in 20th IFORS conference in Barcelona, Spain.

Courses Taught**Adani Institute of Infrastructure Management, Ahmedabad**

- Logistics & Supply Chain Management for Infrastructure Business (Nov-Dec 2014)

India Institute of Management, Ahmedabad

- Preparatory program in Mathematics (June 2013)

Babu Banarasi Das University, Lucknow

- Project Management (Jan-May 2011)
- Operations Research (Jan-May 2011)

ACADEMIC SERVICES**Referee**

International Journal of Production Research

European Journal of Operational Research

Committees

Rapporteur, IIMA society Conference 2014

June 2014

Coordinator, 6th Doctoral Colloquium, IIM Ahmedabad

January 2013

Media liaison for the 23rd convocation, IIM Lucknow

March 2009

SOFTWARE SKILLS

Languages: C, C++, Python, VBA

Mathematical Modeling: CPLEX Concert Technology, AMPL

Simulation: ARENA, Vensim

PERSONAL INTERESTS

History, Geography, Geopolitics, Swimming, Running, Cricket, Table-tennis