

Devendra Choudhary, PhD

Associate Professor,
Mechanical Engineering,
Government Engineering College, Ajmer
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Education

- Jul 2011 – Jul 2014* **Indian Institute of Technology Delhi**
PhD, Supply Chain Management
- Jul 2007 – Jun 2009* **Indian Institute of Technology Delhi**
M. Tech, Industrial Engineering
- Jul 1994 – Jun 1998* **MBM Engineering College, Jai Narain Vyas University, Jodhpur, Rajasthan**
BE, Production & Industrial Engineering

PhD Thesis

The value of consignment stock and vendor-managed inventory beyond information sharing

Teaching & Research Experience

- June 2013 – Till date* **Associate Professor**
Mechanical Engineering Department, Government Engineering College,
Ajmer, Rajasthan.
- Jun 1999 – Jun 2013* **Assistant Professor**
Mechanical Engineering Department, Government Engineering College,
Ajmer, Rajasthan.

Awards

- Highly Cited Research Award in JPSM by Elsevier, 2016
- Distinction in PhD Research Award for Year 2014 by IIT Delhi
- Best Paper Award in SOM International Conference, 2013

Skills & Activities

Skills SCM, Optimization, Multicriteria Analysis, Multicriteria Evaluation, Production, Inventory Management, Sensitivity Analysis, Operations Management, Production Planning, Scheduling, Mathematical Programming, Linear Programming, Logistics, Inventory, Lean Manufacturing, Simulation Modeling, Service Operations Management, Multiobjective Optimization, Agile Manufacturing, Total Quality Management, Lean Management, Decision Analysis, Process Management, Sustainable Supply Management, Operations Research, Reverse Logistics, Green Supply Chain

Languages English, Hindi

Scientific ISTE

Memberships

Interests Badminton, Walking

International Journal Publications

Devendra Choudhary, Ravi Shankar, M.K. Tiwari, Arun Kr. Purohit: *VMI versus information sharing: an analysis under static uncertainty strategy with fill rate constraints*. International Journal of Production Research 04/2016; 54(13): 3978-3993: **A category in ABDC ranking. IF: 1.72.**

Arun Kr. Purohit, Devendra Choudhary, Ravi Shankar: *Inventory lot-sizing with supplier selection under non-stationary stochastic demand*. International Journal of Production Research 10/2015; 54(8): 2459-2469. **A category in ABDC ranking. IF: 1.72.**

Devendra Choudhary, Ravi Shankar: *The value of VMI beyond information sharing under time-varying stochastic demand*. International Journal of Production Research 07/2014; 53(5): 1472-1486. **A category in ABDC ranking. IF: 1.72.**

Devendra Choudhary, Ravi Shankar, Prasanta K. Dey, Harish Chaudhary, Lakshman S. Thakur: *Benefits of retailer-supplier partnership initiatives under time-varying demand: A comparative analytical study*. International Journal of Production Research 07/2014; 52(14): 4279-4298. **A category in ABDC ranking. IF: 1.72.**

Devendra Choudhary, Ravi Shankar: *A goal programming model for joint decision making of inventory lot-size, supplier selection and carrier selection*. Computers & Industrial Engineering 05/2014; 71(1): 1-9. **B category in ABDC ranking. IF: 2.52.**

Devendra Choudhary, Ravi Shankar: *The value of VMI beyond information sharing in a single supplier multiple retailers supply chain under a non-stationary (R_n, S_n) policy*. Omega 01/2014; 51: 59-70. **A category in ABDC ranking. IF: 4.29.**

Devendra Choudhary, Ravi Shankar: *Joint decision of procurement lot-size, supplier selection, and carrier selection*. Journal of Purchasing and Supply Management 03/2013; 19(1):16–26. **B category in ABDC ranking. IF: 3.39.**

Devendra Choudhary, Ravi Shankar: *An STEEP-fuzzy AHP-TOPSIS framework for evaluation and selection of thermal power plant location: A case study from India*. Energy 06/2012; 42(1):510–521. **A category in ABDC ranking. IF: 4.81.**

Devendra Choudhary, Ravi Shankar: *Modeling and analysis of single item multi-period procurement lot-sizing problem considering rejections and late deliveries*. Computers & Industrial Engineering 11/2011; 61(4):1318-1323. **B category in ABDC ranking. IF: 2.52.**

Devendra Choudhary, J. P. Bhamu, O. P. Jakhar: *An Optimization Model for Scheduling Tour of Service Personnel in after-Sale Service Process with Additional Side Conditions of Responsiveness and FCFS Service Policy*. Journal of Industrial Engineering and Management 04/2015; 4(2):1-5.

National Journal Publications

Devendra Choudhary, P. K. Jain: *Short-Term Decision Making in Foundry Unit: A Case Study*. Indian Foundry Journal, 56 (11)/2010, 34-39.

Devendra Choudhary, B. D. Gidwani: *MODAPTS: A modern work measurement technique*. Industrial Engineering Journal, 2008.

Conference Proceedings and Presentations

Devendra Choudhary: *Impact of fill rate and demand variability on inventory lot-sizing and order allocation decisions*. XIX Annual International Conference of Society of Operations Management, IIM Calcutta; 12/2015

Arun Kumar Purohit, Devendra Choudhary, Ravi Shankar: *Inventory Lot-Sizing Under Dynamic Stochastic Demand with Carbon Emission Constraints*. Procedia - Social and Behavioral Sciences 05/2015; 189:193-197.

Devendra Choudhary: *Inventory lot-sizing with supplier selection under non-stationary stochastic demand with carbon and fill rate constraints*. XVIII Annual International Conference of Society of Operations Management, IIT Roorkee; 12/2014

Devendra Choudhary: *Calculating benefits of information sharing and coordination in inventory lot-sizing with supplier selection*. XVI Annual international conference of the Society of Operations Management, IIT Delhi; 12/2013

Devendra Choudhary: *An optimization model for scheduling tour of service personnel in after-sale service process with additional side conditions of responsiveness and FCFS service policy*. XVI Annual international conference of the Society of Operations Management, IIT Delhi; 12/2013

Devendra Choudhary: *Inventory lot-sizing with supplier selection under stochastic dynamic demand*. International conference on best practices in supply chain management, Siksha 'O' Anusandhan University, Bhubneshwar, Orrisa; 12/2012

Devendra Choudhary: *Energy management at process level through lean manufacturing practices*. National conference on energy management, ECB, Bikaner; 09/2009

Google Scholar & Scopus Profile

| | Google Scholar | Scopus |
|-----------|----------------|--------|
| Citations | 291 | 246 |
| h-index | 7 | 7 |
| i10-index | 5 | 5 |

Other academic and institute development activities

- Reviewer of IJPR, IJPE, Energy, CAIE and other reputed journals.
- Acting as TEQIP-II Project Coordinator in the Institute.
- Acted as NSS Program Officer for seven years.
- Acted as Sports Coordinator for eight years.

Courses taught at UG & PG level

- Operations Research
- Operations Management
- Design of Experiments
- Simulation & MCDM techniques
- Quality Assurance and Reliability
- Lean & Agile manufacturing
- Supply Chain Management
- Maintenance Management