

Resume

Dr Lokesh Kumar

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Dr Lokesh Kumar is currently an Assistant Professor in Mechanical Engineering Department at Jamia Millia Islamia, New Delhi. He is associated with Production and Industrial Engineering Research Group of the Department. He obtained his Ph.D. in the area of Supply Chain Management from Indian Institute of Technology, Roorkee (IITR). He also received the scholarships during B. Tech and M.E. His research interest are: Reconfigurable Manufacturing Systems, Supply Chain Management, Production Planning and Control, Operations Management, Production Engineering, Maintenance Management, Manufacturing Operations Planning, Life Cycle Costing, Soft computing and Applied Artificial Intelligence. Rapid Prototyping, Metal Casting, Machining, Non-Conventional Manufacturing Methods.

He has published several papers in the reputed International Journals such as International Journal of Advanced Manufacturing Technology, International Journal of Production Research, Journal of Cleaner Production, International Journal of simulation and Modelling, Advances in Production and Management. He is reviewer of research papers from various journals such as: International Journal of Advanced Manufacturing Technology, European Journal of Operation Research, Robotics and Computer Integrated Manufacturing, Journal of Cleaner Production, Journal of Risk and Reliability, Journal of Engineering Manufacture UK, Operational Research Journal etc.

Teaching Experience:

Around 20 years

Awards Received:

Scholarship in Bachelor of Technology (B. Tech.) and Master of Engineering (M.E.).

Specialization:

Industrial System Engineering, Production Engineering and Management, Supply Chain Management.

Publications:

Among several publications, some noteworthy published research papers in International Conferences and International Journals are as follows:

1. Lokesh K, Jain PK (2008) Part machine group formation with operation sequence, time and production volume. International Journal of Simulation Modeling 7(4):198-209.
2. Lokesh K, Jain PK (2009) Part Machine group formation with ordinal-ratio data and production volume. International Journal of Simulation Modeling 8(2):90-101
3. Lokesh KS, Jain PK (2010a) Dynamic cellular manufacturing system design- a comprehensive model and HHGA. Advance in production Engineering and Management Journal 5(3):151-162.
4. Lokesh KS, Jain PK (2010b) Concurrently part machine group formation with important data. International Journal of Simulation Modeling 9(1):5-16.
5. Lokesh KS, Jain PK (2010c) Selection of rapid prototyping Technology. Advance in Production Engineering and Management Journal 5(2):75-84.
6. Lokesh KS, Jain PK (2011) Dynamic cellular manufacturing system design- a comprehensive model. International Journal of Advance Manufacturing Technology 53(14): 11-34.
7. Lokesh KS, Jain PK (2012a) A mathematical model for Reconfigurable Manufacturing System Design. International Journal of Production Research 50(12): 3359-3381.
8. Lokesh KS, Jain PK (2012b) An integrated model of dynamic cellular manufacturing and supply chain system design. International Journal of Advance Manufacturing Technology Vol. 62, 1-4:385-404.
9. Lokesh KS, Jain PK (2016) Tyre- remanufacturing supply chain management practices: an exploratory study to improve competitiveness and environmental friendliness. EBSCC 2016 Conference, IIT Kharagpur , India :12-14 February 2016, p. Excel India publisher Delhi, 346-357.
10. Lokesh K, Jain PK, Sharma AK (2018) Tactical supply chain planning for Tyre remanufacturing considering carbon tax policy. International Journal of Advanced

Manufacturing Technology 97:1505-1528. DOI:10.1007/s00170-018-1972-03.

11. Saxena L (2018) Greenfield/ Brownfield supply chain data-set-1, Mendeley Data, v2, <http://dx.doi.org/10.17632/d86k3d5648.1>
12. Lokesh K, Jain PK, Sharma AK (2018) A fuzzy goal programme with carbon tax for Brownfield tyre remanufacturing supply chain planning. Journal of Cleaner Production 198:1-17, DOI: 10.1016/j.jclepro.2018.07.005.
13. Saxena L (2018) Greenfield/ Brownfield supply chain data-set-1, Mendeley Data, v2, <http://dx.doi.org/10.17632/d86k3d5648.1>
14. Lokesh K, Jain PK (2006) Rapid Prototyping: A Review, Issues And Problems, International conference CARs & FOF, VIT, India ,19-22 July, 126-138.
15. Lokesh Kumar, Khan RA (2004) Rapid Design and Manufacturing, Global Conference on flexible System Management (GLOGIFT) March, 13-15, JMI ,Delhi.

Reviewer Invitations:

Research paper reviewer invitation from journals such as:

- ✓ International Journal of Advanced Manufacturing Technology
- ✓ European Journal of Operation Research
- ✓ Arabian Journal for Science and Engineering
- ✓ International Research Journal of Engineering Science, Technology and Innovation
- ✓ Scientia Iranica Journal.
- ✓ Advances In Business Management & Administration
- ✓ Robotics and Computer Integrated Manufacturing
- ✓ Journal of Risk and Reliability
- ✓ Journal of Engineering Manufacture UK
- ✓ Journal of Materials Processing Technology
- ✓ Operational Research Journal
- ✓ Journal of Cleaner Production
- ✓ Iranian Journal of Fuzzy Systems

Research Interests:

Supply Chain Management	Manufacturing system design	RMS
Operation Research	Modeling & Simulation	CMS
Production Management	Operations Management	CAM
Production Planning and Control	Scheduling	CAPP
Reliability and Quality	Additive Manufacturing	Machining

Course Teaching Interests:

Primary Teaching Interests:

Supply Chain Management	Manufacturing system design	RMS
Operation Research	Modeling & Simulation	CMS
Production Management	Operations Management	CAM
Production Planning and Control	Scheduling	CAPP
Reliability and Quality	Additive Manufacturing	CIM
Industrial Engineering	Machining	

Secondary Teaching Interests:

✓ Machining Process	✓ Forming Process	✓ Metal Casting
✓ Mechatronics	✓ Additive	✓ Non- Conventional
✓ Reverse Engineering	Manufacturing	Manufacturing Methods

Software of interest:

✓ Programming in C	✓ SCILAB	✓ MATLAB
✓ UNIGRAPHICS	✓ LINGO	✓ CNC and ROBOT Programming
✓ MASTERCAM	✓ CATIA	✓ MS-Word
✓ AutoCAD	✓ PROE	✓ MS Excel
✓ MS-Office	✓ ANSYS	✓ PowerPoint Presentation
✓ Programming in Python	✓ Autodesk Inventor	✓ Autodesk CAM