

Call for Papers



International Journal of Six Sigma and Competitive Advantage

FLAME - 2020: Special Issue on: "Application of Lean Six Sigma Methods for Process Excellence in Indian Industries"

Guest Editors:

Dr. Rakesh Kumar Phanden and Prof. Basant Singh Sikarwar, Amity University, India

Prof. Dinesh Khandhja, National Institute of Technology Kurukshetra, India

Prof. Purushothaman Damodaran, Northern Illinois University, USA

Six Sigma was introduced in 1986 at Motorola, New York. It has been globally accepted for process improvement in healthcare, manufacturing, education, services and many more industries across the world. In today's scenario, these industries are facing challenges to deliver good-quality products and services at competitive prices. Lean methods reduce waste and non-value adding activity and enhance the effectiveness of resources used. Six Sigma tools help in decision making based on data which finally reduces the variability in the process. Both tools are used in combination for operational excellence.

The aim of this special issue is to publish the outcomes of Lean and Six Sigma approaches for process excellence of industries located in India. The movement towards performance excellence as the operating model of industries is growing at an accelerating pace.

The articles will contribute to the existing body of knowledge and provide new insights and perspectives on the application of Lean Six Sigma to organisations of all sizes, in the manufacturing, service, education and healthcare sectors. We invite authors who are conducting research on a variety of methods for Lean and Six Sigma in various settings through theoretical and empirical research investigations.

The Guest Editors will be inviting substantially extended versions of selected papers presented at the [2nd International Conference on "Future Learning Aspects of Mechanical Engineering" \(FLAME - 2020\)](#) for review and potential publication, but are also inviting other experts to submit articles for this call.

Subject Coverage

Suitable topics include, but are not limited, to the following:

- Lean manufacturing
- Six Sigma
- Lean Six Sigma (LSS)
- LSS integration
- Six Sigma in emerging economies
- Lean green manufacturing
- Lean Six Sigma in the service sector, education, manufacturing, healthcare, logistics, and automotive industries
- Lean Six Sigma in Indian industries
- Productivity and customer satisfaction
- Simulation and modelling
- Green and Lean Six Sigma
- Lean Six Sigma in micro, small, medium and large-scale industries in India
- Case studies on Lean Six Sigma
- Frameworks, research gaps, future research directions, state-of-the-art literature reviews and review of reviews on Lean Six Sigma
- Lean practices in industries
- Service quality
- Process waste
- Quality assurance, excellence and improvement models
- Value stream mapping, AHP, DMAIC
- Green impact of Lean Six Sigma
- Business performance
- Public and private sectors

Notes for Prospective Authors

Submitted papers should not have been previously published nor be currently under consideration for publication elsewhere. (N.B. Conference papers may only be submitted if the paper has been completely re-written and if appropriate written permissions have been obtained from any copyright holders of the original paper).

All papers are refereed through a peer review process.

All papers *must* be submitted online. To submit a paper, please read our [Submitting articles](#) page.

Important Dates

Manuscripts due by: *30 August, 2020*

Notification to authors: *8 November, 2020*

Final versions due by: *30 December, 2020*