

## **Special Issue Guest Editor**

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## **Advances in Modeling and Optimization of Manufacturing Processes**

Smart Manufacturing requires the collaboration of advanced manufacturing capabilities and digital technologies to create highly customizable products faster, cheaper, and greener. In today's manufacturing environment many large industries use highly automated and computer-controlled machines as their strategy to adapt to the ever-changing competitive market requirement. Due to high capital and manufacturing costs, there is an economic need to operate these machines as efficiently as possible in order to obtain the required pay back. The success of the manufacturing process depends upon the selection of appropriate process parameters. The selection of optimum process parameters and proper modeling plays a significant role to ensure quality of product, to reduce the manufacturing cost and to increase productivity in computer controlled manufacturing process.

In this Special Issue, we seek to provide a wide set of articles on various aspects of modeling and optimization of manufacturing processes. Articles devoted to parameter identification & surface Response, structural modeling and optimization for the industrial application are desired.

We would like articles devoted to both experimental and theoretical (analytical and numerical) approaches, as well as those that consider a combination of these approaches.

### **Important Dates:**

Manuscripts due by: 01 March, 2021

Notification to authors: 15 April, 2021 ;

Revisions to be submitted by authors: 15 May, 2021. ;

Final notification: 30 May, 2021