

## Special Issue

# Expanding the Horizons of Manufacturing: Towards Wide Integration, Smart Systems and Tools

### Message from the Guest Editors

This research topic aims at enterprise-wide modeling and optimization (EWMO) through the development and application of integrated modeling, simulation and optimization methodologies, and computer-aided tools for reliable and sustainable improvement opportunities within the entire manufacturing network (raw materials, production plants, distribution, retailers, and customers) and its components. - Development of advanced mathematical models and methodologies: -- The network design problem -- The supply chain planning problem -- Integration of production, financial and environmental aspects, risk, and uncertainty. The expected models will tackle a multiobjective view: - Development of detailed production scheduling at plant level - Integration of the tracking system of network dynamics - Development of suitable frameworks and algorithms - Development of software prototypes ... More information can be found at:

[https://www.mdpi.com/journal/processes/special\\_issues/manufacturing\\_horizons](https://www.mdpi.com/journal/processes/special_issues/manufacturing_horizons)

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### Guest Editors

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### Deadline for manuscript submissions

closed (15 December 2021)



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