

## Special Issue

# Sustainable Engineering: Intelligent Design and New Material Development for Automobiles

### Message from the Guest Editors

This Special Issue of Sustainability solicits articles that present new concepts and methods as well as case studies in the field of intelligent design and new material development for automobiles. The overall goal is to exchange research and applied working knowledge in the field of automotive structural engineering design. In this Special Issue, original research articles and reviews are welcome. Research areas may include (but are not limited to) the following:

- Multi-objective evolutionary algorithm based on heuristic information
- Multi-objective optimization method driven by adaptive learning mechanism
- Machine learning optimization method for small sample data
- Objective-oriented smart sampling strategy for expensive black-box functions
- Optimization and applications of light materials (high strength steel, aluminium alloy and magnesium alloy, etc.)
- Research and design application of mechanical properties of fibre reinforced composite materials
- Mechanism research and optimization design of new mechanical metamaterials

We look forward to receiving your contributions.

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### Guest Editors

Dr. Fengxiang Xu

Prof. Dr. Hu Wang

Dr. Jianguang Fang

Prof. Dr. Liming Chen

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### Deadline for manuscript submissions

closed (30 April 2023)



Sustainability

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# About the Journal

## Message from the Editor-in-Chief

I encourage you to contribute a research or comprehensive review article for consideration for publication in Sustainability, an international open access journal which provides an advanced forum for research findings in areas related to sustainability and sustainable development. The journal publishes original research articles, reviews, conference proceedings (peer reviewed full articles) and communications. I am confident you will find the journal contributes to enhancing understanding of sustainability and fostering initiatives and applications of sustainability-based measures and activities.

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## Editor-in-Chief

Prof. Dr. Steve W. Lyon

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