# **Special Issue**

# Sustainable Composite Materials Technologies

### Message from the Guest Editors

Composite materials characteristically support sustainable technology solutions due to their excellent specific strength, dimensional stability, and recyclability. Advanced composite materials efficiently contribute towards the initiative for a carbon-neutral society. The key themes of this Special Issue include (but are not limited to) the following:

- Lightweight, sustainable composite manufacturing technologies
- Techno-economic and life cycle assessment (LCA) of advanced composites
- Circular economy solution for composite recycling
- Efficient composite recycling by endorsing blockchain technologies and artificial intelligence (Al)
- Advanced materials and composites for nextgeneration additive manufacturing technologies
- Recycling mechanism for fiber-reinforced composites
- Advanced debonding/disbanding mechanism of composite structures
- Advanced bioplastics, bio-composite materials
- Next-generation composites for aviation
- Composite materials development for harsh environment utilities
- Fiber-reinforced polymer composites processing utilizing carbon fiber/glass fibers/aramid fiber/natural fiber, etc.

### **Guest Editors**

Dr. Mohit Sharma

Dr. Anthony Comer

Dr. Dipa Roy

Dr. Ajay Kumar Kadiyala

Dr. Manunya Okhawilai

#### Deadline for manuscript submissions

closed (15 March 2023)



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Sustainability Editorial Office MDPI, Grosspeteranlage 5 4052 Basel, Switzerland Tel: +41 61 683 77 34 sustainability@mdpi.com

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## 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.

### Editor-in-Chief

Prof. Dr. Steve W. Lyon

School of Environment and Natural Resources, Ohio State University, Columbus, OH 43210, USA

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