

## Special Issue

# Fabrication and Characterization of Advanced Composites for Structural Applications

### Message from the Guest Editors

In modern technology, the continuous growth and evolution of composite materials have led to diversity in such materials. In order to enhance structural performance, holistic exploration of novel materials and optimization of the existing materials are essential. Original research articles based on experimental investigation and/or finite element modeling related to any kind of polymer composite materials, including synthetic, natural and hybrid fiber-reinforced composites, are invited to submit.

- Composite materials;
- Hybrid composites containing natural fibres and synthetic fibres;
- Fabrication (filament winding, pultrusion, VARTM and additive manufacturing);
- Life cycle assessment;
- Composite recycling;
- Weathering;
- Flammability;
- Mechanical characterization;
- Damage mechanics;
- Microstructural properties;
- Tribological properties;
- Crashworthiness;
- Ballistic impact;
- Fracture toughness;
- Non-destructive evaluation.

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### Guest Editors

Dr. Lin Feng Ng

Dr. Chandrasekar Muthukumar

Dr. Ruey Shan Chen

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### Deadline for manuscript submissions

closed (30 June 2023)



## Processes

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