# Special Issue

# Recent Progress of Porous Materials

# Message from the Guest Editor

Periodic cellular structures, such as honeycomb and lattice structures, have been widely used as lightweight sandwich cores in many kinds of mechanical components. In particular, because of the rapid development of additive manufacturing technology. more precise and more complex three-dimensional lattices with micrometer lengths can be fabricated relatively easily. Such structures are expected to be useful as novel new multi-functional metamaterials that cannot be found in natural materials. For the past 15 years, we have been conducting research on the mechanical, vibration, sound absorption and heat transfer properties of porous structures through nonlinear numerical simulation and experimental tests. More recently, we have also analyzed the multifunctional properties of porous structures and investigated their high potential in combination with optimized design. In this Special Issue, we would like to present some interesting properties of lattice structures.

### **Guest Editor**

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# Deadline for manuscript submissions

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