



## Nanoporous Carbon Materials for Advanced Technological Applications

Collection Editors:

**Dr. Lok Kumar Shrestha**

International Center for Materials  
Nanoarchitectonics (WPI-MANA),  
National Institute for Materials  
Science (NIMS), 1-1 Namiki,  
Ibaraki, Tsukuba 305-0044, Japan

**Dr. Rekha Goswami Shrestha**

International Center for Materials  
Nanoarchitectonics (WPI-MANA),  
National Institute for Materials  
Science (NIMS), 1-1 Namiki,  
Ibaraki, Tsukuba 305-0044, Japan

### Message from the Collection Editors

We would like to invite you to submit original papers, feature articles, reviews to this Topical Collection of *C*, a journal on carbon research, entitled “Nanoporous Carbon Materials for Advanced Technological Applications.” The aim of this topical collection is to publish recent developments and interesting novel insights into the production of high surface area and large-porosity nanoporous carbon materials with interconnected pore structures for technological applications including adsorption, catalysis/photocatalysis, energy storage (supercapacitors and batteries), energy conversion, vapor or gas sensing, and others. Emphasis is given to papers describing fabrication, characterizations, structure-property relation, porosity tuning, surface functionalization, hetero-atom doping, and also the binary or ternary composite materials that enhance the overall performance of the materials. We are looking for outstanding high-performance nanoporous carbon materials fabricated from synthetic or natural precursors including agro-wastes or biopolymers either by templating method or by direct carbonization of chemical activation methods.

