

Special Issue on  
**New Carbon Materials: Synthesis Advances and  
Emerging Applications**

# CALL FOR PAPERS

New carbon materials, including carbon fibers, carbon nanotubes, and graphene, have been in the center of attention for decades owing to their extraordinary electrical, optical, thermal, and mechanical properties. In contrast to carbon fibers, which are in strong demands from aircraft, aerospace, and wind energy nowadays, carbon nanotube and graphene still lack killer applications. So far, synthesis of high-quality carbon materials or carbonaceous composites with controlled properties at low cost is still challenging, hindering the potentials to propel new carbon materials into commercial applications, from flexible electronics to strong, lightweight composites.

Therefore, in order to further harness the extraordinary properties of these carbon materials, this special issue aims at creating a multidiscipline forum of discussion on advances on carbon material synthesis as a basis for successful electronics, energy, catalysis, and environments applications. This issue accepts high-quality articles containing original research and review articles of exceptional merit, helping readers of this journal know more about the wonder field of carbon material.

Potential topics include but are not limited to the following:

- ▶ Advances in carbon nanotube, graphene, and graphene nanoribbon synthesis
- ▶ Production of carbon fiber or porous carbonaceous materials from renewable, nonfossil fuel based feedstocks
- ▶ Control over the structure or properties of carbon materials
- ▶ Applications of carbon materials in reinforced composites
- ▶ Applications of carbon materials for catalysis, light processing, and energy applications

Authors can submit their manuscripts through the Manuscript Tracking System at <http://mts.hindawi.com/submit/journals/jnm/necm/>.

**Lead Guest Editor**

Maoshuai He, Shandong University of Science and Technology, Qingdao, China  
*hemaoshuai@gmail.com*

**Guest Editors**

Ruliang Zhang, Shandong University of Science and Technology, Qingdao, China  
*rlzhit@126.com*

Alexander I. Chernov, Prokhorov General Physics Institute RAS, Moscow, Russia  
*al.chernov@nsc.gpi.ru*

Lili Zhang, Technical University of Denmark, Lyngby, Denmark  
*lilizha@dtu.dk*

**Manuscript Due**

Friday, 3 March 2017

**First Round of Reviews**

Friday, 26 May 2017

**Publication Date**

Friday, 21 July 2017