

Thematic Proposal for 'Current Nanoscience'
"Nanostructured polymers for energy conversion and sensoristic applications"

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Aims & Scopes of Special Issue: Polymers play an important role in the development of materials for energy conversion and sensoristic applications because their low cost and appealing electronic, catalytic and mechanical properties. Their nanostructuring is becoming a hot topic due to the possibility to enhance the performance of sensors and energy conversion devices where polymers are active components.

The aim of this special issue is to focus on current research efforts in the development of nanostructured polymer materials for energy conversion and sensoristic applications with particular attention to novel materials or synthetic strategies.

Subtopics:

1. Electrochemical and photoelectrochemical synthesis of nanostructured polymers for MOS or MIM based devices
2. Nanostructured Molecularly Imprinted photonic polymers for sensing applications
3. *Electrochemical synthesis of polypyrrole composites using choline-chloride based ionic liquids*

Schedule:

Manuscript submission deadline: December 2017

Peer Review Due: May 2018

Revision Due: June 2018

Notification of acceptance by the Guest Editor: August 2018