Journal of Nanomaterials

Special Issue on

Carbon Dots Derived from Natural Sources as Functional Materials

CALL FOR PAPERS

Carbon dots (CDs) derived from natural sources has been increasingly utilized as a substitute to more expensive semiconductor quantum dot nanomaterials over the past number of years. Various materials have been used as carbon sources which include fruits, vegetables, simple organic acids, and high boiling point organic solvents. Even materials that are not considered to be significantly useful or those that are already wastes such as candle soot, shrimp eggs, coffee bean waste, and kitchen waste have also been used as precursors. These CDs can be applied to various applications such as in bioimaging, optoelectronics, and catalysis due to their inherent nontoxic nature, solubility to a wide array of solvents, and strong luminescence behavior.

The purpose of this special issue is to publish high-quality original research papers as well as review articles that were not yet published or currently under review by other journals or peer-reviewed conferences addressing the recent advances on carbon dots derived from natural sources and their applications.

Potential topics include but are not limited to the following:

- New methodology in synthesizing carbon dots
- Carbon dots for:
  - Bioimaging
  - Dopant for organic optoelectronics
  - Fluorescence probe
- Application of carbon dots for environmental analysis

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

Lead Guest Editor
Mannix P. Balanay, Nazarbayev University, Astana, Kazakhstan
mannix.balanay@nu.edu.kz

Guest Editors
Haiyan Fan, Nazarbayev University, Astana, Kazakhstan
haiyan.fan@nu.edu.kz

Kunjie Wang, Lanzhou University of Technology, Lanzhou, China
wangkj80@163.com

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