Special Issue

Advanced Carbon Materials in Water Treatment or Separations Technology

Message from the Guest Editor

Water purification technology benefits from the development and discovery of advanced materials. Importantly, various forms of carbon have been applied for advanced treatment techniques. More recently, many other forms of carbon have been incorporated in water treatment technology, especially polymer membranes. For example, graphene and its various forms (carbon nanotubes, graphene oxide, and reduced graphene oxide) have been incorporated into composites or as coatings to achieve advanced materials in water treatment. For example, these materials can be used for advanced separations of solutes from solvents or to impart useful or unique properties to porous or dense membrane surfaces. The main focus of the Special Issue is thus to present how advanced carbon materials can be applied in water treatment in order to give the reader an overview of the state of the art. **Keywords**:
water treatment; carbon; graphene; carbon nanotubes; graphene oxide; membranes; adsorbents

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