

**Submission Deadline—November 1, 2018**



## (Nano)materials for Biomedical Applications

Nanotechnology has been responsible for an unprecedented positive impact in healthcare advances, by merging fundamental and applied sciences as complementary tools envisioning an enhanced quality of life. Recently, a broader spectrum of high performance nanomaterials and material-based nanosystems has been engineered to address challenges in medical and health-related fields. At the same time, there has been a shift in importance from designing exclusively bioinert materials to instead producing complex bioactive building blocks for mimicking targeted functions. This *JMR* Focus Issue is devoted to the latest advances in biomedical nanomaterials, including: (i) different fabrication approaches and applications, (ii) design and characterization of novel biomedical materials and devices as well as their structure-property relationships with biological responses, and (iii) novel (bio)nanomaterials as potential candidates to integrate multifunctional devices targeting self-assembly materials.

### Contributing papers are solicited in the following areas:

- ◆ Nanotechnology and drug delivery
- ◆ Biocompatible materials
- ◆ Implants and coatings
- ◆ Tissue engineering and regenerative materials
- ◆ Fabrication of sensors and biosensors
- ◆ Biomimetics
- ◆ Materials for medical devices
- ◆ Materials in clinical dentistry
- ◆ Materials in orthopedics and biomechanics

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To be considered for this issue, new and previously unpublished results significant to the development of this field should be presented. The manuscripts must be submitted via the *JMR* electronic submission system by **November 1, 2018**. Manuscripts submitted after this deadline will not be considered for the issue due to time constraints on the review process. Please select "Focus issue: *(Nano)materials for Biomedical Applications*" as the manuscript type. **Note our manuscript submission minimum length of 3250 words, excluding figures, captions, and references, with at least 6 and no more than 10 figures and tables combined. Review articles may be longer but must be pre-approved by proposal to the Guest Editors via [jmr@mrs.org](mailto:jmr@mrs.org). The proposal form and author instructions may be found at [www.mrs.org/jmr-instructions](http://www.mrs.org/jmr-instructions).** All manuscripts will be reviewed in a normal but expedited fashion. Papers submitted by the deadline and subsequently accepted will be published in the Focus Issue. Other manuscripts that are acceptable but cannot be included in the issue will be scheduled for publication in a subsequent issue of *JMR*.

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