

# CALL FOR PAPERS

## Materials and Manufacturing

**Special Editor: Rathindra “Babu” DasGupta**

**Submissions due by June 7, 2020**

*Technology and Innovation (T&I)* is currently soliciting manuscripts for a special issue on materials and manufacturing.

Our ability to create new materials and ways of manufacturing, as well as our ability to make existing materials and manufacturing methods and processes better, is key to many advances in science and a driver of innovation. Creating more effective medicines; cheaper, lighter, and more functional consumer products; and more sustainable solutions in all areas depends to a large extent on the effective development and use of materials and manufacturing.

For this special issue, *T&I* is soliciting manuscripts from a broad range of perspectives and disciplines, including, but not limited to, the following topics:

### **Trends in Materials for:**

Renewable energy/energy storage, additive manufacturing, functional coatings and surface technologies, materials derived from sustainable sources, biomedical and healthcare, transportation (reduced weight), materials optimization via reuse of scrap generated during manufacturing, infrastructure (“green” building materials), smart and self-healing materials, self-cleaning materials, aerogels, computational materials design, and wood sources

### **Trends in Manufacturing Related to:**

Augmented and virtual reality solutions, 3D Printing, other additive manufacturing techniques (non-printing), industrial sensors, machine vision, robotics, predictive machine analytics, modular production, metal casting

and forming, joining processes including dissimilar materials, manufacture of low embodied energy materials, and manufacture for circular economy

Initial manuscripts should be submitted by **June 7, 2020**. Instructions for authors, including journal policies, manuscript formatting information, and author forms, can be found at <http://academyofinventors.org/ti/resources.asp>.

*T&I* is published by the National Academy of Inventors and presents information encompassing the entire field of applied sciences, with a focus on transformative technology and academic innovation, and welcomes manuscripts that meet the general criteria of significance and scientific excellence. We publish original articles in basic and applied research, critical reviews, surveys, opinions, commentaries, essays, and patent and book reviews of interest to our readers.

If you have questions or would like to submit a manuscript, please contact associate editor of *T&I*, Kimberly Macuare, at [kmacuare@academyofinventors.org](mailto:kmacuare@academyofinventors.org).

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