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### Guest Editorial

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## Guest Editorial

*Selected articles from the papers presented at the 2nd International Conference on Advanced Nanomaterials and Nanotechnology (ICANN-2011), Guwahati, India, 8–10 December 2011*

In the past decades, nanoscience and nanotechnology has been making significant progress and the effect of nanoscience and nanotechnology on every field has been acknowledged in the world. Nanomaterials and nanostructures are established as knowledge frame of an important branch of learning in university curriculum worldwide. As one of the premier institutes in India, the Indian Institute of Technology Guwahati (IITG) has been taking a leading role in contributing to the ongoing major advances in the field, through teaching, research, manpower development and by regularly organising conferences/seminars in the field.

This special issue partly represents the proceedings of the 2nd International Conference on Advanced Nanomaterials and Nanotechnology (ICANN-2011) jointly organised by the Department of Physics and Center for Nanotechnology, IITG during 8–10 December 2011. ICANN-2011 has enjoyed a lot of enthusiasm and the support of around 400 participants. In addition, seven plenary talks were delivered by leading experts in the field and a total of 345 papers (through invited talks, oral and poster presentations) by the delegates from 15 countries and 9 areas were covered in 21 sessions. Out of the large number of manuscripts submitted in the area of experimental nanoscience/nanotechnology, after a thorough review, the best 20 manuscripts were selected for the publication in a special issue of the *Journal of Experimental Nanoscience*, based on originality and novelty of ideas, appropriateness in the field and importance of the work in the present context, appropriateness of the scope of the journal and clarity of presentation. These manuscripts broadly fall in the areas of nanomaterials, nanocomposites, nanobiotechnology, nanomagnetism and applications in environment, sensing etc.

We hope that readers of this journal would find the articles selected for the special issue scientifically exciting and useful. We extend our gratitude to reviewers who have provided us with their valuable time in critically reviewing the manuscripts.

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