

Editorial

The famous quotation by the eminent American physicist Richard Feynman, (at the American Physical Society meeting, Caltech, December 29, 1959), “*There's Plenty of Room at the Bottom*”, is often held to have provided inspiration for the field of nanotechnology. Though nanomaterials and hybrid-nanomaterials were known and used by the ancient civilizations, but the research on nanotechnology and/or nanoscience got the visibility in the early 1980s with the birth of cluster science, by the invention of the scanning tunneling microscope (STM) and subsequent development in other sophisticated material characterization techniques. Nanoparticle/nanomaterial research is currently a major focus area of scientific interest, due to a wide variety of potential applications to all areas of science, from engineering to medicine and textiles to energy.

In this volume, we have articles on nanomaterials, hybrid nano materials and even nanocomposites. But the communications on “CNT synthesis” using edible oils is quite interesting and have shown some simple but important findings. Since the report of the Carbon Nano tubes in 1991 by Sumio Iijima and subsequent findings of excellent mechanical, physico-chemical and electronic properties of this material, a wide range of methods and base materials (precursors) have been developed to produce CNTs on a large scale, modify them, and integrate them into devices or use them in materials science, catalysis, energy research and in many other fields. Most commonly used precursors are *acetylene, ethylene, methane, benzene, xylene, carbon monoxide* etc.. Here, the researchers have tried different nontoxic edible oils as precursors to prepare the CNTs and ACNTs. The findings are comparable, though more study is required.

We would like to thank all of our editorial board members, the editorial staff of Trans Tech Publication and also like to thank all the authors for trusting and contributing their valued scientific findings in this volume of NH. We are also thankful and appreciate the works of the reviewers, for their skilled contribution to select good quality articles.

Amir-Al-Ahmed