

Special Issue of NanoTrends A Journal of Nanotechnology and its Applications

Selected papers presented at the International Conference on
Nanotechnology Materials & Methods*

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Around 200 delegates from all over the globe attended this conference. There were over 100 contributions (oral paper presentation) in this conference. This special issue consists of 19 selected valuable research papers. It provides to the readers, a very good information source for keeping them abreast of the state of the art developments and the future directions in this emerging field of Nanoscience and Nanotechnology.

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- (1) Synthesis and Characterization of Mn Substituted Ferrofluid used as an Inclination Sensor
- (2) Nanotechnology in Immunodiagnosics
- (3) Microstructure and Magnetic Properties of Nanocrystalline Fe-Mn-Zr alloy
- (4) Magnetoresistance in hot pressed Co-C granular compounds
- (5) Effect of High Voltage Electric Pulse on Microstructure of Fine Particles
- (6) Development of Electroless Ni-P Complex Composite NanoCoating
- (7) ZnS and DDT (1-Dodecanethiol) Capping in CdSe nanoparticles
- (8) Synthesis, characterization and photoluminescence properties of Mn doped ZnS nanorods
- (9) Nylon 6/Nanoclay Composite Fibers
- (10) Comparison of Pt and Co₅₀Ni₅₀ composites for sulfur poisoning
- (11) Functionalization of Carbon nanotubes and study of its optical and structural properties
- (12) Modeling and simulation of CO adsorption by Pt and Co₅₀Ni₅₀ catalysts
- (13) Deposition and Characterisation of Alumina Thin Films with Nano Grain Size
- (14) Nano indentation Hardness Measurements on Sputter Deposited TiNi Thin Films
- (15) Formation of nano-sized channels on polymeric substrates using atmospheric pressure glow discharge cold plasma
- (16) Estimation of Structure Factor and Distribution Function of BaSO₄ and CaCO₃ Nano Particles
- (17) Effect of Substrate Temperature on Surface Morphology and Optical Properties of WO₃ Nano Thin Films Prepared by On-axis Pulsed Laser Ablation Technique
- (18) Polymeric Nanofibers in the Automotive Applications
- (19) Advances in Nanotechnology/Nanomedicine (Invited talk)

*CIT Nanotech 2006, organized by the Coimbatore Institute of Technology Coimbatore 641014, Tamilnadu, India

For complete details on authors, titles and abstracts of papers, link :<http://nstc.in/journal/default.aspx?id=04-01>

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