

Laboratory Techniques for Nanomaterials

Fabrication of thin films of conducting polymers via electropolymerization - Synthesis of thermoplastic matrix with gradual polymerization and hardening by the addition or not of inorganic materials - Deposition material to form thin coatings or nanoparticles in vacuum - Nanomechanics & Nanotribology Properties of Advanced Materials and Systems (SPM - AFM) - Scanning and Transmission Electron Microscopy in Micro-and Nano-Structured Materials and surfaces (SEM - TEM) - Study and Characterization of Materials by X-ray diffraction - Dielectric Spectroscopy in Micro-and Nano-structured Materials - Differential Scanning Calorimetry of Micro-and Nano-structured Materials