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Pulsed laser deposition of multiwall carbon nanotube/NiO nanocomposite thin films

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In this work, we report on the fabrication of multiwall carbon nanotubes (MWCNT)/NiO nanocomposite thin films by the pulsed laser deposition technique on to aluminium substrates. Samples were prepared with different MWCNT content, and varying substrate temperatures. Structural and optical properties were investigated by scanning electron microscopy, x-ray diffraction, Raman spectroscopy, UV-Vis spectroscopy and the thermal emissometer. The morphological and structural changes induced by laser beam will also be presented.

Level (Hons, MSc, PhD, other)?

PhD

Consider for a student award (Yes / No)?

Yes

Would you like to submit a short paper for the Conference Proceedings (Yes / No)?

Yes

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