

67. Synthesis of Carbon Nanotubes from Turpentine oil using CVD.

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ABSTRACT

Carbon Nanotubes are allotropes of carbon and have more interesting nanostructures. Their size falls in the nanoscale which gives them unique physical and chemical properties and vast application potential. Carbon Nanotubes were synthesized by Chemical Vapour Deposition (CVD) method which is simple, economic and more reliable. Carbon Nanotubes were synthesized from Turpentine oil as plant precursor using Fe powder as catalyst by chemical vapour deposition technique. The Nanotubes are characterized using SEM/TEM studies and confirmed.

Keywords: Carbon nanotubes, CVD.