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Title: Synthesis of Carbon Nanotube by Chemical Vapor Deposition (CVD) Method.

Author(s) Name: Munaly Akter, Md. Ehasanul Haque, Md. Masud Parvez and Md. Abdul Matin

Contact Email(s): ehasanul@aiub.edu

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Abstract:

Abstract-We synthesize the carbon nanotube (CNT) by chemical vapor deposition (CVD). The morphological images have been observed before and after the CNT growth on the Si/SiO₂/Co substrate. Scanning electron microscope (SEM) images confirmed the growth of CNT onto the Si/SiO₂/Co substrate. The SEM image of Si/SiO₂/Co substrate having no CNT was found little dark due to having Co catalyst on the top, whereas lots of amorphous carbon was existed on the Si/SiO₂/Co/CNT surface according to SEM image. The growing CNT has no regularity and directionality.