

4th International Conference on **Nanotek & Expo**

December 01-03, 2014 DoubleTree by Hilton Hotel San Francisco Airport, USA

Green synthesis and characterizations of cadmium oxide nanoparticles

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Cadmium oxide nanoparticles were prepared hydrothermally at low temperature using water as solvent in microwave oven. The complex was characterized for its size and structure using scanning electron microscopy (SEM), energy dispersive X-ray analysis energy "EDX" and X-ray diffraction "XRD" techniques. The effect of temperature on the morphology and the final products were studied, and the energy dispersive X-ray analysis energy show that this salt is pure and consist of only cadmium and oxygen. The mechanism of the reaction was concluded from collected data.

Biography

Laila M Al-Harbi is Assistant Professor in physical chemistry, member of American chemical society. She is the coordinator of chem. for the students of first year chemistry. She is an organization member of Scientific Forum for King Abdulaziz University Students. She has published more than 15 papers in reputed journals and serving as a reviewer in reputed journals and an editorial board member of Nanoscience and Nanotechnology Research journal.

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