SURFACE PROPERTIES OF Mn_3O_4 THIN FILMS PREPARED BY CHEMICAL SPRAY PYROLYSIS TECHNIQUE

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A great deal of attention has been given for manganese-based oxides for decades due to their technological applications, novel chemical and physical properties. In this work, our aim to study the structural and surface properties of Mn_3O_4 thin film deposited by using Chemical Spray Pyrolysis technique. Mn_3O_4 thin films were grown on glass substrate at different deposition temperatures 350^0C and 450^0C. X-Ray Diffraction and Atomic Force Microscopy techniques were used for determining the structural, morphological properties of as-deposited Mn_3O_4 thin films.