INVESTIGATION OF MnO_2 THIN FILMS FOR OPTOELECTRONIC APPLICATIONS

F. TUZLUCA, Y.O. YESİLBAG, M. ERTUGRUL AND A.E. EKİNCİ*

Erzincan University, Department of Physics, Faculty of Art and Sciences, Turkey, ftuzluca@erzincan.edu.tr
Erzincan University , Department of Physics, Faculty of Art and Sciences, Turkey, oyesilbag@erzincan.edu.tr
**Ataturk University, Department of Electric Electronics, Faculty of Engineering, Turkey, ertugrul@atauni.edu.tr*
Erzincan University, Department of Physics, Faculty of Art and Sciences, Turkey, aeekinci@erzincan.edu.tr

MnO_2 thin film samples were prepared by the spray-pyrolysis technique. $MnSO_4$ aqueous solutions onto glass subtrates held at different temperature and various molarity using compressed air as a carrier gas. The as-prepared MnO_2 thin film samples were characterized by means of XRD, AFM, UV–vis and TG-DTA.