

Development of (Cu₂O-ZnO) Binary Oxide Anode for Electrochemical Degradation of Dye

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Abstract : The objective of this study was the development of zinc-copper binary oxide "Cu₂O-ZnO" thin films by the electrochemical method "cathodic electrodeposition" and their uses for the degradation of a basic dye "Congo Red" by direct anodic oxidation. The anode materials synthesized were characterized by X-ray diffraction "XRD" and by scanning electron microscopy "SEM" coupled to EDS.

Keywords : Cu₂O-ZnO thin films, cathodic electrodeposition, electrodegradation, Congo Red, BDD

Conference Title : ICCIS 2015 : International Conference on Chemical Industry and Science

Conference Location : Jeddah, Saudi Arabia

Conference Dates : January 26-27, 2015