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

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