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Copolymers of polyaniline and poly-o-toluidine: Electrochemical synthesis and characterization

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In the present study we have reported Electrochemical polymerization of poly(Aniline) (PANI), Poly(O-Toluidine) (POT) and poly(Aniline-co-O-Toluidine) (PAOT) copolymers. Electrochemical Synthesis of PANI, POT and Poly(Aniline-co-O-Toluidine) was done by using Cyclic Voltammetry technique. The morphological study done by Atomic Force Microscopy (AFM) which shows that formation of uniform granular structure and topographic changes in each respective thin film. Spectroscopic characterization was done by FTIR spectroscopy. The FT-IR study revealed the formation of PANI/POT/Poly(Aniline co O-Toluidine) with a absorption band are reported. For structural information done by X-ray diffraction(XRD) Characterization.

Topics

[X-rays](#), [Atomic force microscopy](#), [Thin films](#),
[Electrochemistry](#), [Fourier transform spectroscopy](#), [Cyclic voltammetry](#), [Polymers](#), [Electropolymerization](#), [Chemical compounds](#), [Absorption band](#)

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