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The Use of New Chemically Modified Cellulose for Heavy Metal Ion Adsorption

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HIGHLIGHTS

- A novel and synthetic method using redox initiator, ceric ammonium nitrate.
- Composites synthesized from cellulose (CEL) and crown ether(DB18C6)
- (CEL+DB18C6) retain properties of individual components
- Synergy between DB18C6 and CEL enhanced adsorption of Cd²⁺, Zn²⁺, Ni²⁺, Pb²⁺ and Cu²⁺.
- (CEL+DB18C6) exhibit truly supramolecular properties.

Drying

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