

INVESTIGATION OF THE OPTICAL PROPERTIES OF ERBIUM-CUCURBITURIL ELECTROSPUN NANOFIBER BASED NANOCOMPOSITES

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This contribution reports on the optical properties of a novel coordinated rare earth –cucurbituril nanocomposite (Er-CB[n]). The Rare earth host matrix CB[n] is a family of molecular container nano-hosts bearing a rigid hydrophobic cavity and two identical carbonyl fringed portals. They have attracted much attention in supramolecular chemistry because of their superior molecular recognition properties in aqueous media. These (Er-CB[n]) fluorescent Water-soluble nanomaterials were found to exhibit thermochromic properties.

Key words: Cucurbituril, Lanthanide, Thermochromic, Nanocomposites, Linear.

Biography

I'm a PhD student at UNISA from Senegal. I have 32 years. I got my master II in science of material geniuses at University of Cheikh Anta Diop of Dakar of Senegal.

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