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Metal complexation studies of 1-(4-carboxy-3-hydroxy-N-ethyl phenyl amino methyl) benzotriazole

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Aminomethylation of benzotriazole was carried out by treating benzotriazole with formaldehyde and N-ethyl 4-aminosalicylic acid. The resultant compound namely was designed as CEPB 1-(4-carboxy-3-hydroxy-N-ethyl phenylamino methyl) benzotriazole. The transition metal complexes of Cu^{2+} , Co^{2+} , Ni^{2+} , Mn^{2+} and Zn^{2+} of CEPB have been prepared and characterized by elemental analyser, spectral studies, magnetic moment determination, molar conductivity measurement and antimicrobial activity.

Biography

P K Patel is working as an Associate Professor of Chemistry in M.G. Science Institute since last 26 years. He is a recognized research guide in Gujarat University, JJT University and KSKV University. He has guided three research students and five students are working under his guidance for their PhD work. He has published 32 research papers in various national and international journals.

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