

RESEARCH AND DEVELOPMENT

Name of the Researcher	Designation & Department	Research Topic	Year of Completion
Dr. Mrs. A. K. Dixit	Professor, Department of Applied Chemistry	Studies on Lanthanide Complexes	1984

BRIEF SUMMARY OF THE WORK: This research work was carried out as a part of doctoral research work under the able guidance of Dr. V. D. Deshpande at VNIT (Formerly VRCE), Nagpur.

Mixed ligand complexes of rare earth ions with cupron as the primary ligand and phenyl anthranilic acid, N-methylantranilic acid and N-acetylantranilic acid as the secondary ligands have been synthesized and characterized on the basis of their elemental analysis, electronic and IR spectral data, thermal analysis, conductivity measurements and NMR spectra.

INDUSTRY RELEVANCE : Useful in pharmaceutical industries.

RESEARCH OUTCOMES : Four papers were published in international journals.