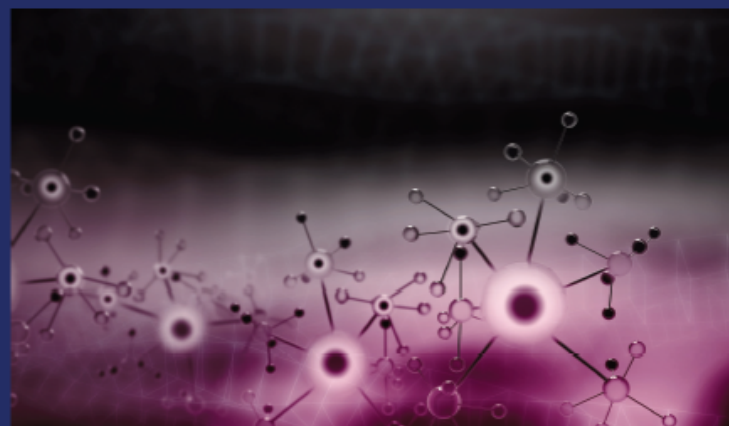


Computation of spectral parameters of Lanthanides play a vital role in the modern era of chemistry because of its applications in biochemical research. Due to the biological activities of amino acid and the various coordination numbers of Lanthanides, computation of spectral parameters of Lanthanide - amino acid interaction, opens a significant role in the modern chemistry. First chapter is general features of Lanthanides and its scope in biological and clinical fields. Second chapter elaborates the theoretical spectral properties - both magnetic and optical. Third, fourth, fifth and sixth chapters describe the detailed study of the interaction of Lanthanides with amino acids. Numbers of tables of computed spectral parameters and the related figures are embodied for the analysis of the mode of binding of Pr (III) and Nd (III) with amino acids and the possible structure of the complexes theoretically. The book will help immensely for the academic researchers.

Computation of Lanthanide Spectra



Indira Mayanglambam  
Moaienla Ao

Prof. M. Indira Devi, Dean, School of Sciences, Nagaland University, India, with twelve years experiences as HOD, Chemistry and above twenty one years in teaching & research producing five Ph.Ds and many national and international reputed papers, completed research projects and co author, Dr. Moaienla Ao, is Asst. Prof. in Patkai College, Nagaland.

# Computational Chemistry of Lanthanide Spectra

Application in Theoretical Analysis



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Mayanglambam, Ao

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## CONTENTS

<b>CHAPTER I</b>	<b>Page Number</b>
<b>Introduction</b>	<b>05-10</b>
1.1 Historical Background of Lanthanides	
1.2 General features of Lanthanides	
<b>CHAPTER II</b>	<b>11-17</b>
2.1 Magnetic and Spectroscopic Properties of Lanthanides	
2.2 Selection Rules and Hypersensitivity	
<b>CHAPTER III</b>	<b>18-34</b>
3.1 Coordination properties of Lanthanides	
3.2 Review on Coordination Characteristics of Lanthanides with Biological Ligands	
3.3 Scope of Lanthanide Studies	
<b>CHAPTER IV</b>	<b>35-46</b>
4.1 Interaction of Lanthanides with Amino acids as Ligands (viz; Amino acids- L-Phenylalanine, Glycine, L-Alanine, and L-Aspartic acid)	
4.2 Structure and Properties of the Ligand	
4.3 Isomorphous Character of Lanthanides with Calcium and Zinc	
<b>CHAPTER V</b>	<b>47-61</b>