

**INVESTIGATIONS OF DNA BINDING AND  
CLEAVAGE ACTIVITY OF LANTHANIDE(III)  
COMPLEXES WITH ACETOYL AND BENZOYL  
HYDRAZONES**

Thesis submitted to

**SRI KRISHNADEVARAYA UNIVERSITY**

In partial fulfillment for the award of the degree of

*Doctor of Philosophy*

IN

**CHEMISTRY**

By

**K.Raja, M.Sc.,**



*Under the supervision of*

**Prof. K. Hussain Reddy**

Department of Chemistry

**SRI KRISHNADEVARAYA UNIVERSITY**

**ANANTAPURAMU-515003.**

**INDIA**

**OCTOBER 2015**

## **DECLARATION**

I declare that the thesis entitled **“INVESTIGATIONS OF DNA BINDING AND CLEAVAGE ACTIVITY OF LANTHANIDE(III) COMPLEXES WITH ACETOYL AND BENZOYL HYDRAZONES”** is a bonafied record of the research work carried out by me under the supervision of Prof. K.HUSSAIN REDDY. No part of this thesis has been submitted to any university for any award of degree or diploma.

(K.RAJA)



**SRI KRISHNADEVARAYA UNIVERSITY**  
**ANANTAPURAMU-515003(AP) INDIA**

Off:08554-255741

Resi:08554-224347

Mobile:09440669116

Email: [khussainreddy@yahoo.co.in](mailto:khussainreddy@yahoo.co.in)

**Dr. K. HUSSAIN REDDY, M.Sc.,M.Phil., Ph.D.,**  
**Professor of Chemistry**

**Date:**

**CERTIFICATE**

This is certify that the work presented in the thesis entitled “**INVESTIGATIONS OF DNA BINDING AND CLEAVAGE ACTIVITY OF LANTHANIDE(III) COMPLEXES WITH ACETOYL AND BENZOYL HYDRAZONES**” submitted to Sri Krishnadevaraya University, Anantapuramu, is a bonafied record of the research work carried out by K. Raja under my supervision in the Department of Chemistry and has not been submitted for any other award of degree or diploma.

**Prof. K. HUSSAIN REDDY,**  
Research Supervisor

*Dedicated*  
*To*  
*My Parents*

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