

CURRICULUM VITÆ

Dr. K. HUSSAIN REDDY

Senior Professor and Dean, Faculty of Physical Sciences

Department of Chemistry

Sri Krishnadevaraya University

ANANTHAPURAMU -515 003

Mobile: 09440669116

E Mail: khussainreddy@yahoo.co.in



-
1. (a) Date of Birth and Place : **July 01, 1957**
(b) Place of Birth : Zillella Village, Banaganapalli Mandal, Kurnool (Dt)
Pin code 518176
2. Nationality : **Indian**
3. Caste : **OC , Reddy**

4. Awards / Recognition by the state/National/International level

- 1) Andhra Pradesh State Best Teacher Award- 2007.
- 2) HRD –Govt. India Fellowship for doing Post –Doctoral Research Abroad, University of California at San Diego, USA
- 3) Visiting Fellowship by CSIR, New Delhi to work in CSMCRI, Bhavnagar.
- 4) Best Paper Presentation in Analytical Chemistry, by Indian Convention of Chemists, Kolkata
- 5) Post Doctoral Fellowship by UGC, New Delhi
- 6) Senior Research Fellow. by CSIR, New Delhi
- 7) Junior Research Fellow. by CSIR, New Delhi

5. Professional Membership

Life Member of Professional bodies

- **Life Member in Indian Science Congress Association (ISCA) , KOLKATA**
- **Life Member in Indian Chemical Society (ICS), KOLKATA**
- **Life Member in Indian Council of Chemists (ICC) , AGRA.**
- **Life Member in National Magnetic Resonance Society (NMRS), BANGALORE**

6. Education

Ph.D, 1984, Sri Krishnadevaraya University, Anantapur.
M.Phil, 1982, Sri Krishnadevaraya University, Anantapur.
M.Sc Chemistry, 1980, S.V.University, Tirupathi.
B.Sc. 1977, S.V.University, Tirupathi.
CSIR SRF, New Delhi, 1981-1982.
CSIR JRF, New Delhi, 1982-1984.

7. Professional and Academic Experience

32 Years and 2 months P.G teaching Experience at S.K University only.
13 Years 3 months as Professor of Chemistry at S.K.University.

8. Employment: (Annexure - IV)

02.11.1985 to 07.09.1996 Lecturer/Assistant Professor, S.K. University, Ananthapuramu .
08.09.1996 to 06.09.2004 Reader/Associate Professor, S.K. University, Ananthapuramu
07.09.2004 to till date – Professor, S.K. University, Ananthapuramu

9. Achievements at a glance

➤ 37 Years of research experience in the field of

Inorganic Chemistry:

- (i) Bioinorganic Chemistry.
- (ii) Coordination Chemistry
- (ii) Transition Metal Chemistry
- (iv) Lanthanide Chemistry
- (v) Spectroscopy

Pharmaceutical Chemistry

- (i) Metallo -Drugs
- (ii) Analytical Chemistry
- Successfully guided **28 students** for Ph.D and **8 students** for M.Phil.
- worked as Principal Investigator for **6 Major** and **1 Minor** Research projects.
- Published nearly **175** (Foreign Journals: 97; Indian Journals: 78) original Research Papers in peer-reviewed journals.
- Presented **60** Research Papers in National and International Scientific Conferences in India and abroad.
- **Organized 5 National seminars at S.K. University, Anantapur. See ANNEXURE 1**
- **Delivered 14 Invited Lectures** in Seminars/Conferences and Chaired Several Sessions.
- Established an **advanced laboratory for DNA studies** Funded By DST, New Delhi

10. Administrative Experience around 12 years: (Annexure - V)

- Contributed to the academic growth and the development of Sri Krishnadevaraya University: 33 years

S.No	Administrative Position	Duration (Period)
1	Head, Department of Chemistry, S.K. University, Ananthapuramu	3 years (2008-2011).
2.	Chairman, Boards of Studies in Chemistry, S.K.University	3 Years (2009-2012)
3.	Chairman, Boards of Studies in Chemistry, YVU, KADAPA	2 Years ()
4.	Coordinator, DST- FIST Program, S.K. University,	3 Years (2008-2011)
5.	Coordinator UGC-SAP Program, S.K. University	2 Years (2009-2011)
6.	Professor In- Charge, SKU College of Pharmaceutical Sciences, SKU	2 Years 9 months
7.	Principal In charge, SKU College of Pharmaceutical Sciences, SKU	3 Months
8.	Vice Principal, S.K. University College of Sciences, S.K. University	1 Year 4 months
9	Additional Warden, SKU Hostels, S.K University, Ananthapuramu	4 Months
10	Warden, SKU Hostels S.K University, Ananthapuramu	1 year

11. Served as member in different committees (Annexure - VI)

1. Prathiba Award Committee
2. National Science day celebrations.
3. University convocation committee.
4. Inception and enquiries committee.
- 5.SKU College Hand Book Committee.

12. Area of Expertise both in Teaching and Research:

- Bioinorganic Chemistry,
- Supramolecular Chemistry,
- Electro Chemistry
- Polymer Chemistry and
- Analytical Chemistry
- Spectroscopy
- Coordination Chemistry
- Transition Metal chemistry

13. National/ International Exposure: (Annexure - III)

- Did Post Doctoral Research in the University of California San Diego for a period of one year during 1989-90 under HRD, Govt. of India Fellowship.
- Attended International Symposium on Macrocyclic Chemistry, Turtle Bay, Hawaii, USA.
- Visited University of Hawaii, USA.
- Visited University of Barkley, California, USA.
- Visited University of Stanford. California, USA
- **CSIR-Visiting Fellowship** from CSIR , New Delhi for a period of six months to work at CSMCRI, Bhavnagar.

14. Research work is cited in a Classified References and Journals

Professor of Chemistry, Sri Krishnadevaraya UIniversity

Dean, Faculty of Physical Sciences, S.K. University, Anantahpuramu

Research Gate Score : 33.

WebImagesMore...

Sign in



Follow

K. Hussain Reddy

Professor in Chemistry

Bioinorganic Chemistry, Coordination Chemistry, Analytical Chemistry,

No verified email

[Get my own profile](#)

Citation indices All Since 2011

Citations 1138 566

h-index 17 12

i10-index 31 17

200820092010201120122013201420152016

Title1-20	Cited by	Year
Synthesis, characterization, DNA interaction and cleavage activity of new mixed ligand copper (II) complexes with heterocyclic bases MSS Babu, KH Reddy, PG Krishna Polyhedron 26 (3), 572-580	104	2007

Title1–20	Cited by	Year
Synthesis, spectral studies and nuclease activity of mixed ligand copper (II) complexes of heteroaromatic semicarbazones/thiosemicarbazones and pyridine KH Reddy, PS Reddy, PR Babu Journal of inorganic Biochemistry 77 (3), 169-176	93	1999
Analytical properties of 1-phenyl-1, 2-propanedione-2-oxime thiosemicarbazone: simultaneous spectrophotometric determination of copper (II) and nickel (II) in edible oils and seeds KH Reddy, NBL Prasad, TS Reddy Talanta 59 (3), 425-433	68	2003
Nuclease activity of 2-substituted heteroaromatic thiosemicarbazone and semicarbazone copper (II) complexes KH Reddy, PS Reddy, PR Babu Transition metal chemistry 25 (2), 154-160	47	2000
Transition metal complexes of benzil- α -monoxime (BMO); X-ray structure determination of Co (BMO) 3 PS Reddy, KH Reddy Polyhedron 19 (14), 1687-1692	46	2000
Spectrophotometric Determination of Lead (II) in Water Samples Using Benzil Amonoxime Isonicotinoyl Hydrazone M Ramesh, B Chandrasekhar, KH Reddy Indian Journal of chemistry (Section A) A 39, 1337-1339	45	2000
Heavy metal ion uptake properties of polystyrene-supported chelating polymer resins AR Reddy, KH Reddy Journal of Chemical Sciences 115 (3), 155-160	33	2003
Synthesis, characterization, DNA binding and nuclease activity of binuclear copper (II) complexes of cuminaldehyde thiosemicarbazones PM Krishna, KH Reddy, JP Pandey, D Siddavattam Transition Metal Chemistry 33 (5), 661-668	32	2008
Nuclease activity of mixed ligand complexes of copper (II) with heteroaromatic derivatives and picoline KH Reddy, PS Reddy, PR Babu Transition metal chemistry 25 (5), 505-510	29	2000
Spectrophotometric determination of palladium with 5, 6-dimethyl-1, 3-indanedione-2-oxime DM Rao, KH Reddy, DV Reddy Talanta 38 (9), 1047-1050	27	1991
Removal of heavy metal ions using the chelating polymers derived by the condensation of poly (3-hydroxy-4-acetylphenyl methacrylate) with different diamines KH Reddy, AR Reddy Journal of applied polymer science 88 (2), 414-421	26	2003

Title1-20	Cited by	Year
Simultaneous second derivative spectrophotometric determination of nickel (II) and copper (II) using diacetylmonoxime isonicotinoyl hydrazone KB Chandrasekhar, K Hussain Reddy Indian journal of chemistry. Sect. A: Inorganic, physical, theoretical ...	25	2002
Simultaneous first derivative spectrophotometric determination of nickel (II) and copper (II) in alloys with diacetylmonoxime benzoylhydrazone KH Reddy, KB Chandrasekhar INDIAN JOURNAL OF CHEMISTRY SECTION A 40 (7), 727-732	24	2001
Analytical data and comparison of analytical potentialities of thiosemicarbazones and semicarbazones KH Reddy, DV Reddy Quarterly Chemistry Reviews 1, 47-98	22	1985
Synthesis, single crystal structure and DNA cleavage studies on first 4 N-ethyl substituted three coordinate copper (I) complex of thiosemicarbazone PM Krishna, KH Reddy Inorganica Chimica Acta 362 (11), 4185-4190	20	2009
Dimeric metal complexes of diacetylmonoxime isonicotinoyl hydrazone M Jayaramudu, KH Reddy INDIAN JOURNAL OF CHEMISTRY SECTION A 38 (11), 1173-1176	18	1999
Synthesis, characterization, electrochemistry and axial ligation properties of macrocyclic divalent metal complexes of acetylacetone buckled with different diamines KH Reddy, MR Reddy, KM Raju Polyhedron 16 (15), 2673-2679	18	1997
Coordination compounds with biomimetic N ₂ S ₂ and N ₂ S ₄ ligands: Synthesis and spectral studies on divalent transition metal complexes of benzildithiosemicarbazone and thiocarbohydrazone A Krishna, KH Reddy, DV Reddy Inorganica Chimica Acta 173 (1), 13-18	16	1990
Synthesis and characterization of copper (ii) complexes of physiologically active tridentate schiff-bases KH Reddy, Y Lingappa INDIAN JOURNAL OF CHEMISTRY SECTION A-INORGANIC BIO-INORGANIC PHYSICAL ...	15	1994
DNA interactions of mixed ligand copper (II) complexes with sulphur containing ligands PM Krishna, KH Reddy, PG Krishna, GH Philip INDIAN JOURNAL OF CHEMISTRY SECTION A 46 (6), 904	13	2007

15. Research Grants:- Rs 47.25 Lakhs

S.No.	Title of the Project	Amount (Rs.)	Funding Agency	Duration
01	Studies in the Chemistry of Model compounds of Biological Importance.	10000/-	UGC, New Delhi	1986-88
02	Macrocyclic organocobalt complexes with pendant axial base as vitamin B ₁₂ models and their immobilization on polymer support.	6, 45,000	DST, New Delhi	1993-1996
03.	Heavy Metal Removal Using Chelating Polymer Resins.	5,68,000	CSIR, New Delhi	1998-2002
04.	Mixed Ligand complexes of hetero functional ligands as chemical nucleases	2,22,000	UGC, New Delhi	2001-2004
05.	Investigations on DNA binding and cleavage activities of di- and polynuclear transition metal complexes.	15,12,000	DST, New Delhi	2008-2011
06.	Investigations of mono and dinuclear Lanthanide(III) complexes for binding and cleavage of DNA.	10,68,000	UGC, New Delhi	2011-2014
07	INVESTIGATIONS ON METAL COMPLEXES AS ANTI-CANCER	7,00,000	UGC, New Delhi	2014-2015

16. Research Guidance

(i) Research Guidance given to Ph.D students

Ph.D Degrees Awarded under the guidance of Prof. K. Hussain Reddy : 28

S.No.	Title of the Thesis	Name of the candidate	Year of Award
01.	Studies in the Chemistry of some Metal complexes of Biological importance	Y. Sreenivasulu	1992
02.	Studies in the Chemistry of Heavy Metal complexes of Biologically important Sulphur containing ligands	Y. Lingappa	1994
03.	Structural Studies on Schiff Base complexes	M. SayajiRao	1996

04.	Studies in the Chemistry of macrocyclic Organocobalt complexes	M. Radhakrishna Reddy	1998
05.	Studies in the Chemistry of metal Pollutants	K.B. Chandrasekhar	1990
06.	Mixed Ligand complexes with Heterocyclic derivatives of Biological Importance	P. Sambasiva Reddy	1990
07.	Spectrophotometric determination of copper(II) and Nickel(II) in edible oils using oxime-thiosemicarbazones	N.B.L. Prasad	2001
08.	Studies in the chemistry of chelating polymer resins of Environmental Importance	A. Ravikumar Reddy	2002
09.	Investigations on Nuclease activity of mixed ligand complexes containing heteroaromatic bases	M.S. SurendraBabu	2007
10.	Investigations on inorganic water pollutants of environmental importance	S. Vidyasgar Babu	2007
11.	Investigations on nuclease activity of metal complexes of ligands derived from constituents of some Indian spices	P. Muralikrishna	2007
12.	Spectrophotometric investigations on metal complexes of heterocyclic thiosemicarbazones	K. Vasudeva Reddy	2008
13.	Spectrophotometric determination of inorganic pollutants of environmental Importance	V. SaleemBasha	2008
14.	Investigations on Heavy metal pollutants of environmental Importance	B. Nagarjuna Reddy	2010
15.	Analytical method development and validation of Pharmaceutical Products	M. Useni Reddy	2011
16.	Development and Validation of new analytical methods for impurity profiling of Pharmaceutical substances	M. Maheswara Reddy	2011
17.	Investigations on DNA binding and cleavage activities of di- and polynuclear transition	P. Hari Babu	2011

	metal complexes.		
18.	Studies in the chemistry of metal complexes of Biological Relevance	M. Jayaramudu	2011
19.	Investigations on DNA binding and Cleavage activity of mono and Dinuclear transition metal complexes.	M. PRAGATHI	2013
20	Specrophotometric Determination of Metal Pollutants Using Hydrazones	M. RENUKA	2014
21	Advanced Analytical studies on Antiretroviral active pharmaceutical ingredients	C. Mohana Reddy	2014
22	Spectral and DNA binding studies on Transition Metal complexes of Pyridine hydrazones	D. NAGAKAVITHA	2015
23	Investigations on DNA binding and Cleavage activity of transition metal complexes of Isonicotinoylhydrazones	A. SUSEELAMMA	2015
24	Investigations on DNA binding and Cleavage activity of lanthanide (III) complexes with acetyl and benzoyl hydrazones	K. Raja	2015
25	Development and Validation of New Analytical Methods for Quantitation of Anti-Gout Drugs in Human Plasma by HPLC- Mass Spectrometry	V.V. Rami Reddy	2015
26.	Spectral and DNA binding studies on Lanthanide metal complexes of Functionalized nicotinoyl and isonicotinoyl hydrazones	B. Moksharagni	2016
27.	Investigations on DNA binding and cleavage activities of mono and Dinuclear copper(II) complexes of polypyridyl ligands	S. Chandrasekhar	2016
28.	Determination of Genotoxic impurities in pharmaceutical drugs by advanced chromatographic techniques and Mass	G. Amarantha Reddy	2017

	spectrometry		
29			
30			

(ii) Students working for Ph.,D

S.No.	Name of the Student	Broad Area of work	Full-time/ Part-Time/ IQ	Date of Registration
1.	S. Raghavendra Reddy	Analytical Chemistry	IQ	18.06. 2014
2.	K. Sreenivasulu	Inorganic Chemistry	Full-time	10.03.2016
3.	K. Anuja	Inorganic Chemistry	Full-time	19.03.2016
4.	C. Phanimala	Inorganic Chemistry	Full-time	19.03.2016
5.	D. Dhanalakshmi	Inorganic Chemistry	Full-time	15.05.2017
6.	B. Varun Kumar	Inorganic Chemistry	Full-time	19.03.2017
7.	Y.B. Nagamani	Inorganic Chemistry	Part-time	10.03.2016
8.	D. Kasim Bee*	Coordination Chemistry	Part-time	

*Registered in JNTU-A, Anantapuramu

(iii) Research Guidance given to M.Phil students

M. Phil., Degrees Awarded *under the guidance of Prof. K. Hussain Reddy* : 08

S.No.	Title of the M.Phil dissertation	Name of the candidate	Year of Award
01	Studies in the chemistry of Model compounds of Metallo porphyrins	A. Krishna	1989
02	Synthesis and characterization of metal complexes with hydrazone	Sayaji Rao	1991
03	Studies on Mixed ligand complexes of biological importance	K.B. Chandrasekhar	1995
04.	Determination of Heavy Metal ions in Environmental samples	C.S. Devaragudi	1996
05	Synthesis and characterization of Polymer supported Metal complexes	S. Sailaja Devi	1997

06.	Studies in the chemistry of some metal complexes of heterofunctional ligands	M. Jayaramudu	1997
07.	Spectrophotometric investigations on metal complexes of Thiosemicarbazones	S. Vidyasagar Babu	2005
08.	Investigations of coordination compounds of Biological Importance	E. Irmia	2010

17. Reviewer for Peer-Reviewed Journals

TALANTA , Pergamon Press

POLYHEDRON, Elsevier publisher

INDIAN JOURNAL OF CHEMISTRY (CSIR, NEW DELHI)

JOURNAL OF INDIAN CHEMICAL SOCIETY, Kolkata

JOURNAL OF COORDINATION CHEMISTRY, Tailor and Francis

JOURNAL OF MOLECULAR STRUCTURE, Elsevier publisher

INORGANICA CHIMICA ACTA, Elsevier Publisher

JOURNAL OF CHEMICAL SCIENCES, Springer

TRANSITION METAL CHEMISTRY, Springer

18. Research project evaluator

- Acted as evaluator for UGC funding projects.
- Acted as evaluator for DST funding Projects.
- Acted as evaluator for UGC-SRF, UGC, New Delhi

19. Peer reviewer for research thesis's

- Acted as an external examiner in evaluating the research thesis work carried out by students of various Indian universities.

20. Evaluator for Professorship of other university staff

- Acted as evaluator for the staff of Sri Venkateswara University, Tirupati.

21. Radio talk

- Gave few radio talks on Scientific Topics, All India Radio, Anantapur.

22. Question Paper setting and Practical Examiner

- Osmania University, Hyderabad.
- S.V. University, Tirupati.
- Andhra University, Visakhapatnam.
- Kakatiya University, Warangal.

- Bangalore University, Bangalore.
- Yogi Vemana University, Kadapa
- Sri Satyasai Institute of Higher Learning, Prasanthi Nilayam

23. Special courses attended

- Attended Course on X-Ray Crystallography in UCSD, San Diego, California, USA
- Attended Course on Bioinorganic Chemistry in UCSD, San Diego California, USA
- Attended Orientation Course in SV University Tirupathi
- Attended Refresher Course in Indian Institute of Science Bangalore
- Attended Refresher Course in the Department of Chemistry, S.K. University, Ananthapuramu

24. Board of Studies:

- **Chairperson of Board of Studies in Chemistry, S.K.University, Ananthapuramu** from 2009 to 2012.
- **Chairperson of Board of Studies in Chemistry, Yogi Vemana University, Kadapa**
- **Member of Board of Studies in Chemistry, S.K.University, Anantapur** from 1985 to till date.
- **Member of Board of Studies in Chemistry, Government Degree College, Ananthapur** from 2017 to till date.

DECLARATION:

I declare that all the particulars mentioned above are correct and true to the best of my knowledge and belief.

Place:
Date:

Prof. K. HUSSAIN REDDY
Dean, Faculty of Physical sciences