

DANTULURI NARAYANA RAJU COLLEGE (AUTONOMOUS)
Re- Accredited at "B⁺⁺" level by NAAC
Bhimavaram, W.G.Dist, A.P

FACULTY PROFILE



1. Name : Dr. K.Usha Rani
2. Designation & Faculty : HOD Zoology
3. Father's Name : K. Madhu Sudhana
4. Age & Date of Birth : 47 yrs; 01-02-1978
5. Educational Qualifications: M.Sc., Ph.D., APSET
6. Area of Specialization : Toxicology
7. Date of appointment : 29-10-2001
8. Details of Innovations/Contributions in Teaching
 - A) Design of Curriculum : Member of Board of studies for B.Voc Commercial Aquaculture of Adikavi Nannaya University, Rajamundry, November, 2019.
 - B) Teaching Methods : ICT enabled interactive teaching pedagogy which includes use of PPTs, Google-classroom. Etc.

9. Publications:

S.No	Name of The Journal	Title of The Article	Names of The Authors	ISSN/I SBN No.	Publication Details	Impact Factor
1	. Adv. Pharmacol. Toxicol.	Toxicity of chlorpyrifos on total proteins, Free Amino Acids and Amino Transferase activity levels in liver and kidney Tissues of Albino rats	Y. Savithri, P. Ravi Sekhar, K. Usha Rani and P. Jacob Doss*	ISSN - 0973 - 2381	11 (3) 2010, 13-19	-
2	. J. Exp. Zool. India	Impact of chlorpyrifos on transaminases, total proteins and free Amino acids in muscle and heart tissue of albino rats.	Y. Savithri, P. Ravi Sekhar, K. Usha Rani and P. Jacob Doss	ISSN 0972-0030	Vol. 13, No. 2, pp. 463-467, 2010	-
3	Adv. pharmacol.	Evaluation of an acute oral gavage method assessment of imidacloprid toxicity in the amphibian Hoplobatrachus Tigerinus	Padmaja B., Vivek C. H., Usha Rani K. And K. Veeraiyah	0973-2381	. 11(3) 2010, Page no-13-19,	4.918
4	International journal of recent scientific research	Bio chemical changes in the tissues of frog Hoplobatrachus tigerinus exposed to sub lethal concentration of imidacloprid	Padmaja B., Ch Vivek, K Usha Rani and K Veeraiyah	096-3031	Vol. 9 Issue II(A) P.No.294 51-29456 Nov 2018	7.383
5	Ind Indian Journal of Comparative Animal Physiology SV university	Thiodicarb induced changes in the detoxification enzymes in the brain of Albino rat	Ramadevi CH, Babu C, Usha Rani K, mahammad Ismail T, sarada K, Jayasydha M, Ravikanth SV and Jacob Doss	0255-7150	Vol.37(2019) p.45-53	-
6	In Indian Journal of Comparative Animal Physiology SV university	Di Dimethoate provoked oxidative stress on different brain regions of Albino rat	Sarada P, jayasudha M, Ramadevi CH, Rajendra Singh M, Usha Rani K, Prasanna B and Jacob Doss	0255-7150	Vol.38 (2020) p.29-37	-
7	La LangLit An International Peer-Reviewed Open Access Journal	Dalit in India –Education and Development	K. Usha Rani; B. Padmaja	ISSN 2349-5189	Special Issue p.No33-43	5.61

8	International Journal of Recent Scientific Research	Toxicity and behavioural studies of chlorpyrifos in Fresh water fishes	K. Usha Rani Mahammad Ismail B. Padmaja	096-3031	Volume 13 Issue 8, PP2179-2183, August - 2022	-
9	International Journal of Science and Research	Role of ASHA Workers in Andhra Pradesh - A Review Article	K. Usha Rani , T Mahammad Ismail B. Padmaja	ISSN: 2319-7064	SJIF (2022): p.No 985-987	7.942
10	The International journal of analytical and experimental modal analysis	A Study on Socio-Economic and Health Status of Fishermen in Chinagollapalem Village Krishna District, Ap, India	K. Usha Rani , Mahammad Ismail B. Padmaja Shanthimatha	ISSN NO: 0886-9367	Volume XIV, Issue X, October/2022 p.no.18-24	6.3
11	Journal of Xi'an University of Architecture & Technology	Red Grape Seed Extract (Vitis vinifera.L) prevents memory deficits and the increase in Acetylcholinesterase activity in D-Galactose - induced Albino Rats (Wistar strain	V.Uday Kiran, Dr.M. Muniya Naik Dr. D.Veera Nagendra Kumar P.Ramesh Kumar Dr.A.Jayasankar , P.Venkata Viswa Prasad Dr.K.Usha Rani, Dr.C.Narasimha Rao M.Rama Mohan., G.Sankaraiah	ISSN No : 1006-7930	p.no-105-113	3.79
12	Journal of Xi'an University of Architecture & Technology	Beneficial Aspects of Rabbit (Oryctolagus cuniculus) to Farmers -A Case Study in Loyola Degree College (YSRR) Pulivendula of Rayalaseema area, A.P-India.	Dr.T.Amala Arockia Raj.SJ, M.Rama MohanDr.K.Usha Rani P.V. Mohan Reddy, V.Uday Kiran,P.Bhavath Hari, M.Vardhan Babu, K.Chinna Raja, J.Anvesh, V.Tharun Kumar, A.Rama Mohan Reddy	ISSN No : 1006-7930	Volume XIV, Issue 12, 2022 p.no-265-275	3.79
13	International Journal of Zoological Investigations	Ameliorative Effect of Red Grape Seed Extract (Vitis vinifera L.) on Memory Deficits and Acetylcholinesterase Activity in D-Galactose-	Veera nagendra KumarD,Seetham a G,SachiDeviP,ram esh KumarP,UshaRani K and Uday	ISSN: 2454-3055	Vol. 9, No. 1, 200-204 (2023)	-

		Induced Albino Rat	kiranV			
14	Journal of Advanced Scientific Research	HIS Histopathological Effects of Chlorpyrifos pesticide on liver and kidneyof fresh water fish Catla catla	K. Usha Rani	ISSN 0976-9595	14 (08): Sept.-2023	-7.7
15	Heritage Research Journal UGC Care Group 1 Journal	Significance of Bio-security in Aquatic ponds	K. Usha Rani1 , Mahammad Ismail B. Padmaja	ISSN No: 0474-9030	Volume 71, Issue 11, 2023 Page No: 68 – 87	5.3
16	Journal of women empowerment and studies	Socio-Economic and Health Assessment of Fisherwomen in Bhimavaram, West Godavari District, Andhra Pradesh: India	Usha Rani K Ismail T Md, Padmaja B		Vol4,issue - 01,Dec23 to Jan24 Page no- 29 to 40	--
17	United International Journal of Engineering and Sciences	Ethno Medicinal Plants Used In Veterinary Practices of Konda Reddies in Papi hills, West Godavari Dist, Andhra Pradesh::	P. Prasanna Kumari, K. Usha rani. B.Padmaja	ISSN 2582-5887	Volume-4, Special Issue- 2,Page no-24-32	6.7

10. Research Projects Carried out : YES

Title of the Project	Name of the Funding Agency	Amount SanctionedRs.	Duration of the Project	
			From	To
"Effect of chlorpyrifos on Fish Polyculture in Relation to density"	UGC	80,000	2005	2007

11. Seminars / Conferences / Refresher Courses attended:

A. Refresher Courses Attended

Refresher course	Name of the Organizer	Duration		Nature of the Participation
		From	To	
Attended 45th orientation	UGC Academic Staff	14-10-2004.	10-11-2004	As participant

course,	College, University of Hyderabad			
Attended refresher course in life sciences	UGC Academic Staff College, University of Hyderabad .	14-11-2008	04-12-2008	As participant
Attended refresher course in Environmental studies	UGC Academic Staff College, Sri Venkateswara University Tirupati	23-05-2011	11-06-2011	As participant
Attended refresher course in life sciences	UGC Human Resource Development centre, Osmania University Hyderabad,	11-09-2019	25-09-2019	As participant
Attended Faculty development programme on adopting to online teaching learning technologies	by Dr BR Ambedkar University, Delhi, Dr BR Ambedkar University, Srikakulam.	16-11-2020	07-12-2020	As participant
Attended refresher course in life sciences	Ramanujan college, Univeristy of Delhi	15-12-2021	29-12-2021	As participant
Attended refresher course in life sciences	Ramanujan college, Univeristy of Delhi	16-09-2023	30-09-2023	As participant

B.Short term courses attended

Short term course	Name of the Organizer	Duration		Nature of the Participation
		From	To	
Attended UGC sponsored National workshop on faculty development programme on "Hands on training programme on Advanced technique in Biological Sciences from 18 to 24th September 2017.	organised by Andhra Loyola College(A), Vijayawada , A.P from 18 to 24th September 2017.	18-09-2017	24-09-2017	As participant
Attended UGC - RUSA sponsored seven day faculty development programme	organised by Sri Y N college (A) Narsapuram	10-12-2019	17-12-2019	As participant

Attended UGC sponsored one week orientation and teacher retraining program	organised by S.V.K.P and Dr.K.S.Raju Arts and Science College (A) Penugonda, W.G (Dt) , A.P.	09-03-2020	14-03-2020	As participant
Attended Faculty development programme in Zoology on new knowledge in Animal Sciences - Emerging Technologies in molecular biology	organised by commissionerate of college Education AP, Vijayawada	06-07-2020	10-07-2020	As participant
Attended 6 days short Term Training programme (STTP) Biology of mankind organised by Maulana Abdul Kalam Azad, University of Technology, West Bengal during 7th to 12th, June 2021.	organised by Maulana Abdul Kalam Azad, University of Technology, West Bengal.	07-06-2021	12-06-2021	As participant
Interntaional Short term training programme-IX On Environment Pollution- A threat to life below water and World environment day celebration week.	Organised by- RajRishi Gov Autunomonus college ,Alwar,Rajathan India	05-06-2023	11-06-2023	As participant
One week National level faculty development programmeon Outcome based EducationAnd application of Generative AI in teaching and research	Organized by DST-CURIE-AI center for Sri padmavathi mahila Viswavidyalayam, Tirupati	18-03-2024	23-03-2024	As participant

C. Seminars Attended

Title of Seminar/Conference/Symposium	Name of the Organizer	Duration		Nature of the Participation
		From	To	
Emerging trends InBioinformatics	Dept Biotechnology,DNR College,Bhimavaram	12-10-2006		Attended
Role of Chemistry in Modern Drug Discovery	Dept Of Chemistry,DNR College,Bhimavaram	24-11-2006		Attended
International Symposium On Environmental pollution Ecology and Human Health	Dept of Zoology,SV university,Tpt	25-07-2009	27-07-2009	Paper Presented
National Seminar On Vanishing wetlands with Special references	KGRL College(A) Bhimavaram	22-09-2009		Attended

to Kolleru lake wetland Ecosystem				
Consumerism And Awareness of Consumer Rights- The Scenario challenges	Dept Of Commerce,,DNR College,Bhimavaram	03-02-2010		Attended
National Seminar on Environmental Pollution-Control Measures –An Economic Incentive Too	Dept of Zoology, CH.S.D.ST. THERESAS Autonomous College For Women	05-03-2010	06-03-2010	Attended
International conference on "Environmental pollution, Water conservation and Health	organised by department of zoology, Bangalore University, Bangalore	29-07-2010	31-07-2010	Presented paper
International conference on "Biodiversity and Aquatic Toxicology"	organised by Acharya Nagarjuna University, Nagarjunagar, A.P India	12-02-2011	14-02-2011	Presented paper
National Seminar on “Green Chemistry-It’s Impact on Environmental Protection”	Dept. of Chemistry, Botany & Zoology, Sir.C.R.Reddy Autonomous college, Eluru	6th Feb. 2014		Attended
UGC sponsored one day workshop on “Post Harvesting Fisheries and Fish by-products”	Dept. of Zoology, Y.N.College, Narsapur	1st Mar. 2014		Attended
National Seminar on “Recent Trends in Aquaculture for Sustainable Environment”	Dept. of Zoology, Ch.S.D.St.Theresa’s (A) college, Eluru	8th Sept. 2014	9th Sept. 2014	Attended
UGC Sponsored National Seminar on “Recent Trends in Spectroscopy,2014”	Dept. of Physics, DNR.College (A) Bhimavaram	11th Dec. 2014		Attended
UGC Sponsored National Seminar on “Engineering Issues in Human Rights in India- Acts & Facts”	Dept. of History, Economics & Political Sciences, SKSD Mahila Kalasala- Tanuku	5th Dec. 2014	6th Dec. 2014	Attended
UGC Sponsored 2 day- National Seminar on “Promoting Excellence in Higher Education Issues & Challenges”	IQAC, Sri.Y.N.College, Narsapur	8th Jan. 2016	9th Jan. 2016	Attended
UGC Sponsored National Seminar on “Advanced Techniques in Chemical Research”	Dept. of Chemistry, SKSD Mahila Kalasala- Tanuku	30th Jan. 2016	31st Jan. 2016	Attended

UGC Sponsored National Seminar on “Make in India-The Dimensions and Prospects” in collaboration with Andhra Bank	Dept. of Commerce, D.N.R.College (A), Bhimavaram	12th Feb. 2016		Attended
National Seminar on “Moving towards Choice based Credit system (CBCS) in Higher Education- A Road Map”	Ch.S.D.St.Theresa’s (A) College for Women, Eluru	18th Aug. 2016	19th Aug. 2016	Attended
UGC Sponsored Two day National Seminar on “Energy & Ecology”	Sir.C.R.Reddy (A) college, Eluru	4th Oct. 2016	5th Oct. 2016	Attended
National Seminar on “Energy, Environment and Economy- The Nexus, Implications and Initiatives”	PG and UG Dept. of Economics, DNR.College (A) Bhimavaram	9th Dec 2016	10th Dec. 2016	Attended
Paper presented in National Seminar on “Strategies towards Actualizing the concept of Sustainable Environment”	Organized by Dept. of Zoology, Sri A.S.N.M. Govt. College (A), Palakol	17th Mar. 2017	18th Mar. 2017	Paper presented
National Seminar on English : “Irony and Humour in Indian writing” : Telugu : “Jaanapadha Saahithyam lo Haasyam, Chamathkaaram”	MVN, JS & RVR College, Malikipuram	12th Aug. 2017	13th Aug. 2017	Attended
UGC Sponsored National Seminar on “Goods and Services Tax (GST) – Operational Dimensions, Implementation and Impact” in collaboration with Bank of India	Dept. of Commerce, D.N.R.College (A), Bhimavaram	9th Jan. 2018		Attended
National Seminar on “Recent trends In Applied Biology”	School of Life And Health Sciences, AKNU, Rajamahendravaram	16th Aug 2018	17th Aug 2018	Attended
UGC Sponsored National Seminar on “Impact of Bifurcation on Political, Economic and Social development in sun rise Andhra Pradesh”	Dept. of Social Sciences and IQAC, D.N.R.College (A), Bhimavaram	8th Feb 2019	-	Attended
UGC Sponsored National level workshop on “Role of women in social transformation in India since 1980”	Dept. of history and IQAC, S.K.S.D Mahila kalasala degree and P.G (A), Tanuku	12th Feb 2019	13th Feb 2019	Attended
UGC Sponsored National Seminar on “Conservation of Bio-diversity issues and challenges (NSCBIC)”	Dept. of Botany, Zoology and Fisheries, Sir C.R.Reddy college, Eluru	26th Feb 2019	-	Paper presented
UGC Sponsored National level workshop on “Intellectual	IQAC depts. of commerce and politics	13th Mar 2019	-	Attended

property rights – challenges and issues in India”				
UGC international conference on “innovations and research advances in aqua culture, fisheries and exploration of deep sea fishing”	Depts. of Aqua culture, Fisheries and Zoology, K.G.R.L College (A), P.G courses and research centre, Bhimavaram	28th Aug 2019	29th Aug 2019	Attended
International conference on “Advances in Bio Sciences and Technology : Impact on Plant, Animal and Human health (ICABT – ZCM)”		24th Dec 2019	26th Dec 2019	Paper presented.
UGC sponsored National seminar on “Data Sciences – A statistical perspective organized by Dept. of statistics and mathematics in collaboration with Ministry of statistics and Programme Implementation, Govt. of India”	Dept. of statistics and mathematics, D.N.R.College (A), Bhimavaram	22nd Feb 2020		Attended
UGC sponsored National Seminar on “Public Private partnership in Indian economy – The initiatives intricacies and imperatives”	Dept. of Commerce in collaboration with The Citizen Co-operative society Ltd., Bhimavaram	25th Feb 2020	-	Attended
Invited talk on “English language teaching Practice” by ARN Hanuman	Dept of English, Adikavi Nannaya University, Rajamahendravaram	June 2020	-	Attended
Webinar on “Locust Invasion- Current status and Management”	Sri Durga Malleswara Siddhartha Mahila Kalasala, Vijayawada.	20th June 2020	-	Attended
National Webinar on “Teaching, learning and evaluation in post Covid era- Introduction to Google Classroom”	Dept of Physics&Mathematics. SVKP& Dr.KS Raju Arts& Science college(A), Penugonda	27-06-2020	-	Attended
Webinar on “ Role of Disinfectants in Controlling Novel Coronovirus(COVID-19)”	Dept of Botany and MicroBiology, Sri Y.N. College, Narsapur	14-07-2020	-	Attended
Two Day national webinar on “Demonstration of Online Education Tools”	University College of Engineering, Adikavi Nannaya University, Rajamahendravaram	02-08-2020	03-08-2020	Attended
Webinar and Workshop on “Integrated genomics and Proteomics Approach for cancer research”	Dept of Zoology, Gauhati University, School of Life Sciences, Mizoram University	04-12-2021	-	Attended
National Webinar on “Violence Against Women pre birth to Death”	Women empowerment cell, SCHVPMR Govt degree college,	06-12-2021	-	Attended

	Ganapavaram			
National webinar on “Mangrove Ecosystems of India-Current Status”	Dept of Botany, Zoology, Govt Arts college, (A), Rajahmundry	28th December 2021	-	Attended
Two days ‘National Seminar on Recent Trends In Aqauculture Techniques’	KGRL College(A) Bhimavaram	24-03-2023	25-03-2023	Paper presented
International Conference on “ Applied Sciences- Advances and Applications 2023”	Ch.SDST Theresa’s college for women(A), Eluru	13-10-2023	14-10-2023	Paper presented
National seminar on” Aquaculture farming: Advantages, Challenges and Opportunities”	Sri ASNM Govt college,(A), Palakol	19-12-2023	-	Paper presented
One Day National Symposium on ”New trends in Biological sciences.”	CSTS Govt.Kalasala, Jangareddigudem	30-11-2023	-	Presented paper

D. Patent

Aquatic Pesticide Residue detector- Registered Dec,2023 - By The patent Office, Govt of India

12.Guest Lectures delivered : NO

Title of the Guest Lectures	Name of the Organizer	Duration		Nature of the Participation
		From	To	
-	-	-	-	-

E. Seminars Conducted

1.Organised UGC sponsored National level seminar on Advances in Biotechnology & Bioinformatics in collaboration with Dept of Zoology, AKNU, RJY on 07.02.2020 at D.N.R College (A) Bhimavaram

2.Organised UGC sponsored and co-sponsored by DST National level seminar on Emerging Trends in Aquaculture on 5th and 6th Oct, 2009 at D.N.R College (A) Bhimavaram.

13.Details of Visits abroad : NO

Countries Visited	Purpose of Visit	Duration of Visit			Period		
		From	To	Total	Duration of Visit		
					From	To	Total

--	--	--	--	--	--	--	--

14. Memberships in Professional Bodies, Societies etc: -

15. Academic Distinctions (Awards/Honors, etc) :-

16. Participation in Extension Work /Community Service- : NSS

17. Additional responsibilities attended/attending in the college:

1. Head of the Department, Zoology -2006 to till date
2. Warden, Girls hostel D.N.R College, Bhimavaram. -2006 - 2016
3. NAAC cycle-3-Chapter 3 – Incharge
4. Dean, Academic Affairs -2020 - 2021 D.N.R College, Bhimavaram
5. NAAC cycle-4- Chapter 2 – Incharge

18. Participation in corporate life: a. Taken up one Community service project with Students (Fishermen community life style)
b..Participate in NSS Activities

19.Mobile No. : 9441447283

20.Mail Id : usha.sadhika@gmail.com

21. Employee Id : 0450808

22. Any other information :