

**FORMAT FOR DETAILS OF INDIVIDUAL TEACHERS
ACHARYA NAGARJUNA UNIVERSITY**

1. Name : Dr. A.AMRUTHA VALLI
2. Designation : ASSOCIATE PROFESSOR,
Head of Botany and Microbiology Department
Coordinator UGC-SAP Phase II
Chairperson BOS,UG-4 years (NEP2020) of Biomedical Sciences
3. Department: MICROBIOLOGY
5. Qualifications : M.Sc. PhD
6. Date of Birth : 22-05-1963
7. Date of Joining : 30-11-2009
8. Phones: (off):0863-2346372 (Res):_____ Cell: 9440995842
9. Email ID : audipudiamrita@gmail.com
10. Academic Qualifications: M.Sc. PhD
11. Title of Ph.D. Thesis :

Title of Thesis	University from which PhDs awarded	Awarded Year
Structural and functional characterization of Chlorophyll –protein complexes of Photosystem I and Photosystem II from <i>Sorghum bicolor</i> .L Moench differing under growth irradiance conditions	Sri Venkateswara University,Tirupati	1991

12. Professional Career:

- **Teaching Experience:33 years**
- **Administrative Experience: 09 years**
- **Research Experience:25 years**

13. Academic Activities :

Specific research area is microbial biotechnology towards agriculture, food and biomedical research.

Current research :

- Exploration of anticancer ,anti-diabetic anti-arthritis e secondary metabolites from plants and microorganisms .
- Development of novel bio formulations using endophytic and rhizobacteria and their metabolomics for the management of biotic and abiotic stresses in vegetable crops
- Design of UG and PG course curriculum as Chairperson and BOS member to Botany, Microbiology, horticulture and Biomedical Sciences.

- Scientific Consultant to certify export quality of chilli.
- Collaborative research with MDS dissertations of Dental colleges and NIT Warangal on Antimicrobials of natural products and nanomaterial.
- Editor to A.P state Four years UG Botany Text books

14. Research Students Information (Awarded):

Guided Successfully		Presently Guided	
Ph.D	M.Phil/M.Tech	Ph.D	M.Phil
12	nil	11	nil

15. Professional Achievements:

Microbial collection of 96 endophytic and marine bacterial isolates identified and deposited in NCBI. Visited Nepal, Vietnam, Japan, Tashkent, and Malaysia as invited speaker. One patent grant and two are in pipeline. Fellow Asian PGPR society (2022), at Malaysia. A.P state Best teacher award-2022. Life time Achievement award from IJEMR-Elsevier SSRN research Award 2022. Life time Achievement award 2022 by M.P council of Science and technology Bhopal and pharmaceutical research of international society. Dr Sarvepalle Radha Krishnan Best Teacher award-2021 by Society of learning technologies. International Award for Excellence-2019 by Asian PGPR society & Uzbekistan. International Certificate of Achievement-2018 in Sakura exchange programme on science, Japan science and technology. Best research paper 2018 in National journal 42nd foundation day of ANU. International Award for Excellence-2017 from Asian PGPR society & ICAR. Best oral paper-2020 in National Seminar On “Recent Advances Agriculture and Biomedical Research”. Best academic administrator award and Women of Worth research Awards 2021, by Society for learning technologies, India. Young Scientist (above 30 years) in International conference by 8th Annual convention of ABAP. Best paper in National Seminar 2014. Best paper in national Seminar on Conservation of Animal Biodiversity and Environmental Monitoring organized 2014. Second Prize in Acharya Nagarjuna university Academic Exhibition 2013-2014. Associate Fellow 2012 Andhra Pradesh Akademi of Science. Best paper in National seminar on Sustainable Development in Biotechnology 2010. Best poster in 2nd A.P. SCIENCE CONGRESS- 2009. Best paper in national Level Technical Symposium, BRAVURA '08 (2008). Best paper in National conference on The Role of Biotechnology in Rural and Industrial Development at Tirupati (2008). Junior research fellow of United States of Department of Agriculture (USDA-JRF of Indo-US (1986-89) and DST-JRF in 1985-86

16. No. of books published : Books 07; Book Chapters 12

17. No. of research articles published/presented since the inception:

Journals		Conferences	
National	International	National	International
05	65	150	20

18. Details Major/Minor Research Projects held/holding:

Title and Sanction Order Particulars	Date of Project Sanctioned	Major/Minor and Funding Agency	Amount in Lakhs
Establishment of the Primary Productivity in Fish and Prawn Ponds in Relation to their Soil and Water Variations in the Coastal Region”	2008 2010	DST(Ref.No. SSD/SS/021/2008).	7,69,945/-
Bioformulations from endophytic croorganisms against chilli anthracnose caused by Colletotrichum sp.”	2011-2014	UGC-Major research project (F.No 40-132/2011(SR)	12.15 lakhs
UGC –SAP BSR PhaseI &PhaseII	2015-2023	UGC-DELHI F.3-8/2018/DF II/SAP-II	1.5 Cr
DST -FIST	2017-2022	DST –Delhi SR/FST/LS-I/620/2015	75 lakhs
PMECS-17 Seminar /symposium grant	2017	DST-SERB SB/SS/1489/16-17	1.0 Lakh
PMECS 2017		APSCHE –A.P	50,000
PMECS-17	2017	UGC- ANU/SEMINAR/FUNDS ALLOCATE/2017	1.0 Lakh
5 th Asian PGPR national Seminar /symposium grant	2019	DST SERB/F/10621/2018-19	1.0 Lakhs
5 th Asian PGPR national conference	2019	ICAR–Delhi 23(80)/2018-CDR (TECH)/ICAR/2019	5.0 Lakh
5 th Asian PGPR national conference	2019	UGC-ANU ANU/SEMINAR/FUNDS ALLOCATE/2019	1.25 Lakhs
RAABR-2020	2020	UGC-ANU ANU/SEMINAR/FUNDS ALLOCATE/2020	1.25 Lakhs
RAAFBR -2021	2020	UGC-ANU ANU/SEMINAR/FUNDS ALLOCATE/2020	1.25 Lakhs

19. Research Collaboration with the faculty of foreign Universities:

1. Scientific consultant to Global BioAG LINKAGES ,USA from 2019- till date

2. Scientific consultant to Sujay Biotech PVT Ltd ,Vijayawada from 2019- till date
3. Scientific consultant toZuari Agro chemical ltd .,Tirupati from 2019- till date
4. Scientific consultant to VARSHA BIOSCIENCE and Technology India PVT Ltd, Hyderabad from 2019- till date
5. Scientific consultant to Sri Bioaesthetivs PVT Ltd ,Hyderabad from 2019- till date
6. Scientific consultant to Pragathi Bio-Pharma PVT ltd ,Hyderabad from 2019- till date
7. Scientific consultant to ORO AGRI PVT Ltd ,New Delhi from 2019- till date
8. Scientific consultant to Gujarat ECO MICROBIAL Technologies Pvt Ltd Vadodara from 2019- till date
9. Scientific Consultant to Lakshmi Ganapathi Chilli Export Organization ,Guntur For Quality control and quality assurance from 2016-till date.
10. Scientific consultant to SIBAR INSTITUTE OF DENTAL SCIENCES, Guntur

20. Visiting/ Adjunct/ Guest Faculty of other Universities: NIL

20. Patents:

	Inventors	Title & Reference Application Number
Patent Publication 20-12-2019	Dr. Amrutha Valli, Dr. M. Sai Ram	Isolation, characterization and mass production of chloroxanthomycin with anti-cancer and antibiotic activity Indian patent Publication NO:201941052050
Patent Granted	Dr. Amrutha Valli, Dr. M. Sai Ram	NO: 355347 Date : 06/01/2021

21. Professional Memberships:

- Life member American Society of Microbiology, USA
- Associate fellow, AP Academy of Sciences
- Life member, Association for Advancement of Pest Management in Horticultura IEcosystem (AAPMHE), IIHR, Bangalore
- Life member Association of Microbiologists of India

22. Academic Council/ BOS/Other Committee Members:

- Governing body member to Jagarlamudi Kuppuswamy Chowdary degree and PG College (Autonomous)GunturA.P ,India
- Chairperson BOS,UG-4 years (NEP2020) of Biomedical Sciences. Hindu College Guntu, A.P,India.
- Member ,Board of studies to Botany ,Microbiology and Horticultural courses of RUSA University ,Kurnool, A.P India

- Selection committee member A.P state Government college lecturer transfers
- Selection committee member in CAS promotions of Biotechnology ,JNTU ,Kakinada.
- Member Board of studies, Department of Botany, Acharya Nagarjuna University
- Member Board of studies, Department of Microbiology, Acharya Nagarjuna University
- Member Board of studies, Centre for Women studies, Acharya Nagarjuna University
- Member, Doctoral committee, Sasstra University, Tanjoor.
- Paper-setter, Examiner at Vignan University, Andhra University, S.V.University, V.S.University .

Signature of the Teacher