

## **Dr. LANKA SUJATHA, M.Sc., B. Ed, M.Phil., Ph.D.**

E-mail: sujathalankagvp@gmail.com

Phone No. +91-9912800248



### **Academic Profile:**

- Ph.D in Microbiology from Andhra University in Nov 2020
- B.Ed with English & Biology from Pydah College, Andhra University in 2013
- M.Phil in Microbiology from Sri Krishnadevaraya University in 2012
- M.Sc in Microbiology from K.G.R.L College, Andhra University in 2004

### **TECHNICAL SKILLS:**

**Type Writing:** Lower grade-First class 83%

#### **Computer Exposure-**

Operating Systems : MS DOS, WINDOS XP

Packages : MS OFFICE

### **ACADEMIC ACHIEVEMENTS:**

- 1) Awarded a merit scholarship as the children of Ex- Servicemen in navy for getting an aggregate more than 60% in post graduation.
- 2) Awarded proficiency certificate in Office Automation, State Board of Technical Education, Hyderabad.
- 3) Awarded Anushtana Yoga Vedanta Certificate from Academy of Yoga Consciousness affiliated to Andhra University.
- 4) Ratified in Andhra University for the post of Assistant Professor in G.V.P College in 2009.
- 5) Qualified APSET 2016 For Assistant Professor/Lectureship held on 11<sup>th</sup> September, 2016 in the Subject Life Sciences conducted by Government of Andhra Pradesh.
- 6) Awarded Elite NPTEL Online Certificate in Applied Environmental Microbiology. (FDP) during Jan to Apr 2019.
- 7) Awarded Elite + Silver NPTEL Online Certificate in Genetic Engineering-Theory and Applications (FDP) July to Oct 2019.
- 8) Awarded Elite NPTEL Online Certificate in Dairy and Food Process and Product Technology. (FDP) Sep to Dec 2020.
- 9) Awarded Elite NPTEL Online Certificate in Organic Farming for Sustainable Agricultural Production (FDP) Jul to Sep 2023.

### **Projects:**

- 1) M. Sc Project- A Study Project on “The role of Erythrocyte Sedimentation rate and C-Reactive Protein in diagnosis of inflammatory diseases” with King George Hospital, Visakhapatnam for a period of three months.
- 2) M. Phil Project – “Antimicrobial activity of Seaweeds on oral bacteria”, under the guidance of Dr.G. Lalitha Govardhan, Department of Microbiology, Dr. L. Bullaya P.G. College, Visakhapatnam.

- 3) Ph.D Project - "Production, Purification and Characterization of Cellulase from *Streptomyces corchorusii* strain KKV1 isolated from soil and its Applications" under the guidance of Prof. K.P.J. Hemalatha, Department of Biochemistry, Andhra University, Visakhapatnam.

#### **Research Papers Published in National and International Journals:**

- a. Published research paper in "Indian Journal of Natural Products and Resources" entitled "Antimicrobial activity of green seaweeds on oral bacteria" on sept. 2012.
- b. Published research paper in International Journal of Bioassays entitled "Isolation and identification of IAA producing endosymbiotic bacteria from *Gracillaria corticata* (J. Agardh)" on 2<sup>nd</sup> December 2016.
- c. Published research paper in International Journal of Lifescience and Pharma Research entitled "Isolation, Screening and Identification of Cellulolytic *Streptomyces corchorusii* (Mn244066) from soil sample of Visakhapatnam" on 3rd Jan, 2020. (Web of Science, Emerging Source Citation Index).
- d. Published research paper in Strad Research entitled Antibacterial activity of Red and Brown Seaweeds on Oral Bacteria in Oct 2023.

#### **Book Chapter Publications**

1. Syamala Dadi and Sujatha Lanka, "Biodiversity of microbes in Fresh waters", Research trends in Multidisciplinary Research, Volume -48, ISBN no. 978-93-5570-921-9, Page no. 53 to 68, Akinik publications, December 2023.
2. Syamala Dadi, Sujatha Lanka, Vineetha Ponakala and Navya Seera, "Unveiling the Potential of 3D Cell Culturing Technique: A Mini Review", Advanced Studies in Bioscience, Biotechnology and Biochemistry, Volume-1, ISBN no. 978-93-93992-89-5, page no. 65 to 83, Helmand Publications, June 2024.

#### **Professional Experience:**

1. Worked as "Microbiologist" in the Life Line Aqua Pvt. Ltd, Visakhapatnam for two years .(June 2004 to may 2006).
2. Worked as Assistant Professor in the Department of Microbiology, Gayatri Vidya Parishad Degree and P.G. College, Visakhapatnam from July 2007 to Jan 2011.
3. Worked as Guest Lecturer in the P.G. Department of Biotechnology, Dr.V.S. Krishna Govt. P.G College, Visakhapatnam from Feb 2011 to oct 2013.
4. Working as Assistant Professor in the Department of Microbiology, Gayatri Vidya Parishad Degree and P.G. College, Visakhapatnam from July 2014 to till date.

#### **► Participation in Orientation/Refresher Course/ FDP:**

1. Refresher course in Biotechnology organized by Department of Biotechnology, Andhra University, Visakhapatnam from 8/11/08 and 9/11/08.
2. Orientation and retaining Programme on 'communication and soft skills' sponsored by UGC. Organized by the Department of English, Gayatri Vidya Parishad Degree College, M.V.P Colony, Visakhapatnam on 14<sup>th</sup> December 2008.
3. Training Programme on 'Mushroom Cultivation'. Organized by the Department of Horticulture in the Regional Mushroom Laboratory, Visakhapatnam on 22<sup>nd</sup> April, 2010.
4. Successfully completed one-week STTP advanced Research Methodology conducted by REST Society for Research International (RSRI), Tamil Nādu, India from 11th to 15th May, 2020.
5. Participated in Five days FDP on "Universal Human Values and Professional Ethics by Chebrolu Engineering College from 13th to 17th May, 2020.
6. Attended Three days FDP on "Art of Writing Research Articles and Funding Proposals", Organized by Manakula Vinayagar Institute of Technology, Puducherry on 21th to 23th May, 2020.
7. Participated in the online faculty development program on "Contemporary Advances in Bio-nanotechnology" organized by Department of Biotechnology, National Institute of Technology Andhra Pradesh, Tadepalligudem, from 02 November to 06 November 2020.
8. Participated in online Faculty Development Program Organised by DBT-ILS (Institute of Life sciences) and sponsored by DST schedule from May 13th -28th May, 2021.
9. Participated in the online faculty development program on "Drug Discovery from lab to industry in Biotechnology" organized by Department of Biotechnology, National Institute of Technology Andhra Pradesh, Tadepalligudem, from 23 August to 27 August 2021.
10. Participated in One-week Online STTP on Mastering Self- Motivation and Attitude -Art of Living, organized by Department of Electrical Engineering, Andhra University from 22<sup>nd</sup> to 26<sup>th</sup> Nov 2021.
11. Attended Online Short Course on Entrepreneurship Development in Food Processing, Organized by the Department of Technology Dissemination, National Institute of Food Technology Entrepreneurship and Management (NIFTEM), Thanjavur, Tamil Nadu on 20th to 22nd Jul 2022.
12. Attended One Week International Online FDP on Multidisciplinary Approach in Research Methodology from 11-09-2023 to 17-9-2023 Organized by Department of Biotechnology, History, Physics, Electronics & Chemistry, Y.N. College (A), Narsapur, W.G. Dt, Andhra Pradesh.
13. Participated in NEP 2020 Orientation & Sensitization programme under Malaviya mission teacher training programme (MM-TTP) of UGC organized by UGC- MMTTC, Andhra University from 22-01-2024 to 31-01-2024.

► **Presentation of Research papers in National and International Seminars:**

1. Presented paper entitled "Antimicrobial activity of seaweeds on oral bacteria" in National Seminar on 'Changing horizons of Applied Biology', organized by the Departments of Microbiology, Biochemistry and Biotechnology, Maharajah's P.G College, Phool Baugh, Vizianagaram on 11<sup>th</sup> and 12<sup>th</sup> December, 2010.
2. Presented paper entitled "Climate Change and its Effects on Infectious Diseases", in National Seminar on 'Changing horizons of Applied Biology', organized by the Departments of Microbiology, Biochemistry and Biotechnology, Maharajah's P.G College, Phool Baugh, Vizianagaram on 11<sup>th</sup> and 12<sup>th</sup> February, 2011.
3. Presented paper entitled "Antimicrobial activity of Green seaweeds" organized by the P.G. Department of Chemistry, Gayatri Vidya Parishad Degree College (A), Visakhapatnam, on 10<sup>th</sup> and 11<sup>th</sup> March, 2012.
4. Presented a Poster entitled "Cellulase and its Application" in National Conference on "Future India: Science and Technology" a special symposium on Contributions of "Life Sciences and Biodiversity for Human Welfare" organized jointly by The Indian Science Congress Association, Tirupati Chapter and Gayatri Vidya Parishad College for Degree and P.G Courses (A), Visakhapatnam, on 30<sup>th</sup> September and 1<sup>st</sup> October, 2018.
5. Presented paper entitled "Antimicrobial activity of Red and Brown seaweeds on Oral Bacteria" in Three Days International Conference on "Recent advances in Chemical, Pharmaceutical and Life Processes" organized by Andhra University Visakhapatnam, on 13<sup>th</sup> to 15<sup>th</sup> July, 2019.
6. Presented paper entitled "Biological activity of substituted phenyl 1,3,4-oxodiazole-2-aminoazo resorcinol/2-naphtholderivative" in Two Day National seminar on "Chemical Speciation in Biology and Marine environment" organized by School of Chemistry, Andhra University Visakhapatnam, on 29<sup>th</sup> and 30<sup>th</sup> September, 2019.
7. Presented paper entitled "Determine the efficacy of different drugs against Acne causing bacteria" in Three Days 5<sup>th</sup> A.P. Science Congress organized by Dr.Br. Ambedkar University, Srikakulam, Etcherla from 28<sup>th</sup> to 30<sup>th</sup> October, 2019.
8. presented paper on "**Cytotoxic activity of Methanolic extract of Chrysanthemum on MCF Cell lines**" in the two- day National Conference on Recent advances in Biological Sciences organized by the Department of Biochemistry, at St. Joseph College for Women(A), Visakhapatnam in collaboration with IQAC on 26<sup>th</sup> and 27<sup>th</sup> July, 2024.

► **Participation in Seminars/ Symposiums/ Workshops:**

1. Participated in National Seminar on 'Microbial world and You', organized by the P.G. Dept of Microbiology, Visakha Govt. College for Women, Visakhapatnam held on August 22<sup>nd</sup> and 23<sup>rd</sup>, 2008.

2. Participated in National Seminar on 'The Impact of Quality Assessment in Higher Education' sponsored by NAAC, Organized by the IQAC, Gayatri Vidya Parishad Degree College, M.V.P Colony Visakhapatnam on 20<sup>th</sup> September 2009.
3. Member and Organizing committee of the workshop 'Biotechnology – The Beacon for the Future' organized by the Department of Applied Sciences, Gayatri Vidya Parishad Degree College, M.V.P Colony Visakhapatnam on 1<sup>st</sup> and 2<sup>nd</sup> November, 2008.
4. Participated in Workshop on 'Self Learning Material Preparation' Organized by GITAM University, Visakhapatnam on 26<sup>th</sup> and 27<sup>th</sup> December, 2009.
5. Participated in State level Workshop on 'Shelf life- Emerging trends in Nutrition and Food Microbiology', Dr. V.S. Krishna Govt. P.G College, Andhra University, Visakhapatnam on 31<sup>st</sup> Jan and 1<sup>st</sup> Feb 2010.
6. Participated in three-day National Workshop on Bioinformatics on "ANIJIG-MATICS, Jigsawbio organized by BRSI chapter, department of biotechnology, ANITS, Visakhapatnam, from 9<sup>th</sup> to 11<sup>th</sup> September 2011.
7. Participated in National Seminar on "Microbial Technology for Environment Protection" organized by the Department of Microbiology and Research Centre, Dr. L.B. College P.G. College, Visakhapatnam, on 3<sup>rd</sup> December 2011.
8. Participated in a two-day national level workshop on "Obesity –A Life style Challenge" organized by Department of Biochemistry, Dr. V. S. Krishna Govt. Degree and P.G. college (A), Visakhapatnam, on 3<sup>rd</sup> and 4<sup>th</sup> February, 2015.
9. Attended The Science Academies' Lecture Workshop on "Advances in Molecular Techniques" Organised by the Department of Biotechnology, GITAM, Visakhapatnam, on 27<sup>th</sup> and 28<sup>th</sup> November, 2015.
10. Attended workshop on "Biofabrication: Pros and Cons" organized by the Department of Microbiology and Food Science and Technology, GITAM, Visakhapatnam, on 17<sup>th</sup> December 2015.
11. Attended the workshop on "Techniques in Health, disease and Environmental Monitoring" Organised by School of Life Sciences, GITAM, Visakhapatnam on 14<sup>th</sup> and 15<sup>th</sup> December 2016.
12. Participated in national level workshop on "Nutritional Values of Ethnic Foods" organized by Department of Microbiology, Dr. V. S. Krishna Govt. Degree & P.G. College (A), Visakhapatnam on 17<sup>th</sup> February 2017.
13. Participated in Two-day National Seminar on "Environmental Health and Biotechnological Applications on Food & Pharma Industries (EHBAFPI)" organized by Department of Biotechnology and Food, Nutrition & Dietetics, Andhra University, Visakhapatnam on 27<sup>th</sup> and 28<sup>th</sup> October, 2018.
14. Participated in Two-day Science Academies' Lecture Workshop on "Recent Advances in Diagnostic and Therapeutic in Infectious Diseases" organized by Department of Biotechnology, GITAM (Deemed to be University), Visakhapatnam on 23<sup>rd</sup> and 24<sup>th</sup> November, 2018.

15. Participated in one day Workshop on “Beyond the Basics: Food and Metabolism” organized by Department of Microbiology and FST, Institute of Science, GITAM, Visakhapatnam.
16. Participated in Two-day National Seminar on “Emerging Solutions in Medical and Environmental biotechnology (ESMEB) organized by the Department of Biotechnology, Dr. L.B. College P.G. College, Visakhapatnam, on 22<sup>nd</sup> and 23<sup>rd</sup> February 2019.
17. Attended Webinar on Enzymes in Biomedical Applications conducted by Xcellogen Biotech, Kerala on 17/5/2020.
18. Participated in Four-day Webinar series on “Challenges and Opportunities in Biological Research” organized by School of Basic and Applied Sciences, Shri Guru Ram Rai University, Dehradun from 19<sup>th</sup> to 22 May, 2020.
19. Participated in the National Webinar on “Trends in Biomedical Instrumentation”, Organized by the Department of Biochemistry & IQAC, St. Joseph’s College for Women (A), Visakhapatnam on 13/6/2020.
20. Participated in Two Day National Workshop on “Recent Advances in Biological Sciences- Techniques and Bioinformatics” (RABSTB-2020) Organized by Department of Biochemistry, Andhra University on 23<sup>rd</sup> and 24<sup>th</sup> June, 2020.
21. Attended Webinar on “Genome editing: CRISPR-Casp” on 30<sup>th</sup> June, 2020 organized by The Center for Advanced –Applied Biological Sciences & Entrepreneurship, Rajamahendravaram, Andhra Pradesh.
22. Participated in Virtual International Conference on “Recent Trends in Biochemistry and Molecular Biology” (RTBMB- 2021) organized by Department of Biochemistry, Andhra University, Visakhapatnam on 7<sup>th</sup> and 8<sup>th</sup> January, 2021.
23. Participated in the “International Day of Immunology-2021” organized by the Department of Zoology, Kongunadu Arts and Science College, Coimbatore, Tamil Nadu, on 28<sup>th</sup> April, 2021.
24. Participated in two days National workshop on “Intellectual Property Protection and Innovation Management for Competitiveness of Academia and Industries” Organized by Gayatri Vidya Parishad College for Degree and P.G Courses (A), Visakhapatnam in Collaboration with NRDC and ICC (MoE), Govt. of India on 4<sup>th</sup> and 5<sup>th</sup> October, 2021.
25. Participated in International Conference on “Biochemistry-Unfolding new Horizons of Life (BUNHL-2021)” Organised by Department of Biochemistry, Andhra University from 26<sup>th</sup> to 28<sup>th</sup> Nov 2021.
26. Participated in national seminar on “Recent Advances in Biochemistry and Microbial Biotechnology” (RABMB-2021) Organised by Department of Biochemistry, Andhra University on 30<sup>th</sup> Nov 2021.
27. Participated in two days National Workshop on Bioinformatics Tools: Theory and Practice (BTTP-2022) Organised by Department of Microbiology, Andhra University on 3<sup>rd</sup> & 4<sup>th</sup> March, 2022.

28. Participated in the online webinar entitled “Food, Nutrition and Environment in Health and Disease” organized by FABA on 3<sup>rd</sup> Nov 2022.
29. Participated in International Conference on “Recent Advances in Biotechnology (icRAB -2022)” Organized by Dr B R Ambedkar National Institute of Technology, Jalandhar on 2nd to 4<sup>th</sup> Dec 2022.
30. Participated in IP Awareness/Training program under “National Intellectual Awareness mission (NIPAM)”, Intellectual Property office, INDIA on 6<sup>th</sup> DEC 2022.
31. Participated in Two-day Workshop on Chromosomal Disorders on 27<sup>th</sup> & 28<sup>th</sup> January 2024, Organized by Department of Human Genetics, Andhra University.

#### **Seminars/ Workshops/Symposium/ Fest Conducted:**

- a. Conducted One day Inter College competitions (Biofest) GENRECON-2K19 on 16/9/2019 with the theme “the era of recombination of biology and engineering”.
- b. Conducted Online FDP on “Awareness and Challenges to Combat Pandemics” on 15<sup>th</sup> to 17<sup>th</sup> June, 2020.
- c. Conducted two-day workshop on Bioinformatics organized by Dept. of Microbiology, Biotechnology and Biochemistry, Gayatri Vidya Parishad College for Degree and P.G Courses, Visakhapatnam on 1<sup>st</sup> & 2<sup>nd</sup> July 2022.
- d. Conducted three-day workshop on Molecular Techniques organized by Dept. of Microbiology, Biotechnology and Biochemistry, Gayatri Vidya Parishad College for Degree and P.G Courses, Visakhapatnam in association with Shrijoshika Molecular Diagnostics and Research center (SMDRC) on 15<sup>th</sup> to 17<sup>th</sup> April 2023.
- e. Conducted a International Webinar On Preparedness And Response to Global Pandemics on 23/9/2023, organized by organized by the Department of MBBTBC and Department of English, Gayatri Vidya Parishad College for Degree and PG Courses (A), Visakhapatnam.
- f. Organized a two-day Biofest event (an intercollegiate competitions) titled “**PRAKRUTHI 2K23**” has been conducted by the Department of MBBTBC, Gayatri Vidya Parishad College for Degree and P.G Courses (A), Visakhapatnam on 18<sup>th</sup> & 19<sup>th</sup> of October 2023.
- g. Conducted a Guest lectures on “**Recent Advances in Cancer Diagnosis and Therapeutic Nutrition**” on the Occasion of National Science Day on 28<sup>th</sup> February 2024, organized by the Department of MBBTBC, Gayatri Vidya Parishad College for Degree and PG Courses (A), Visakhapatnam.
- h. Conducted National level Faculty Development Programme in an online mode for a period of 3 days from 18<sup>th</sup> to 20<sup>th</sup> March, 2024 on Bioinformatics, Organized by the Department of Microbiology, Gayatri vidya Parishad College for Degree and PG Courses(A) in association with XCELLOGEN BIOTECH Pvt. Ltd. Thiruvananthapuram, Kerala.

- i. Conducted a two-day Workshop on Gel Electrophoresis and PCR on 3<sup>rd</sup> and 4<sup>th</sup> May, 2024, Organized by Dept. of Microbiology, Gayatri Vidya Parishad College for Degree and P.G Courses (A), Visakhapatnam in association with Shri Joshika Molecular Diagnostic and Research Center (SMDRC). Visakhapatnam.
- j. Conducted a career counselling session on “**Career Opportunities in Waste Water Treatment**” on 25.4.2024, organized by the Department of MBBTBC and Department of Chemistry, Gayatri Vidya Parishad College for Degree and PG Courses (A), Visakhapatnam.
- k. Organized a Guest Lecture on the occasion of **WORLD MICROBIOME DAY** with the theme “feeding your Gut” on 27<sup>th</sup> June, 2024. Prof. D. Vijaya Bharathi, MD, from Gayatri Vidya Parishad Institute of Health Care and Medical Technology Was the Resource Person.

Dr. L . Sujatha