

CURRICULUM VITAE

Dr. Suseela Lanka,

Executive Council member, Krishna University, MTM, A.P.



Assistant Professor

Department of Biotechnology & Head (I/c) Botany

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Career Objective

Would like to take part in active research in a creative and challenging environment where there is a scope for upgrading my skills, knowledge and where I can strive for the growth of the organization.

Research Interests

Environmental Biotechnology, Cell signaling, Nano technology

Educational Qualifications

- Doctor of Philosophy from the Department of Biotechnology under faculty of Life Sciences, Krishna University, Machilipatnam.

- **Master of Sciences** (Food and Nutritional Science), Acharya Nagarjuna University, Guntur, India - 2014.
- **Master of Sciences** (Biochemistry), Andhra University, Visakhapatnam, India - 2001.
- **Bachelor of Sciences** (Biochemistry, Microbiology and Applied Nutrition), Acharya Nagarjuna University, Guntur, India - 1999.
- **Diploma in Computer Applications** from Macro Info Tech, Visakhapatnam.
- **Bachelor of Arts in Hindi language** (Rashtra Basha Praveena in Hindi).

Awards/Fellowships and Honours

- The paper presented in the National seminar on “Green technology for Sustainable Development and Role of Women” organized by Department of Botany, Govt. Narmada P.G. College, Hoshangabad, M.P. during 11th May, 2011, has been awarded certificate of merit.
- ICMR (Indian Council for Medical Research) JRF, 2003.
- CSIR/NET (Council for Scientific and Industrial Research/National Eligibility Test) - 2009.
- Secured 1st rank in ANUPGCET-1999 (Biochemistry).
- Secured 4th rank in AUPGCET-1999 (Biochemistry).
- Secured Gold medal in District level Janma Bhoomi competitions in the year 1998.
- Selected for National Merit Scholarships scheme in recognition of high position secured in the list of meritorious candidates qualifying for awards from Andhra Pradesh in the year 1993-1994.

Present and Previous Employment details

- Assistant Professor (September 23rd 2009 to till date) in the department of Biotechnology, Krishna University, Machilipatnam.
- Lecturer (2008-2009) in the department of Biochemistry, Bharat P.G College, Ibrahimpatnam, Hyderabad.
- Junior Research Fellow (2004-2007) in the department of Biochemistry, Osmania University, Hyderabad and worked in the project entitled “Structure- Function relationships of Dehalogenases from *Aspergillus flavus*”.

- Technical Assistant (2003-2004) in the department of Biochemistry, University of Hyderabad and worked in the project entitled “Estimation of Telomere length of DNA isolated from lymphocytes of Human blood”.
- Project Assistant (6 Months, 2002) in the department of Endocrinology and Metabolism, National Institute of Nutrition and worked in the Reproductive and Child Health project.
- Biochemist (6 months, 2001) in Yashoda super specialty hospitals, Hyderabad.

Overview

- International publications: 15
- Full Length papers in Proceedings: 01
- Book chapters: 01
- International Symposia/Conferences: 7
- National Symposia/Conferences: 22
- UGC-ASC-Orientation/Refresher Courses: 03

Research publications

- **Suseela Lanka**, Tabitha Trinkle B (2017) Screening and Isolation of Lipase Producing Fungi from Marine Water Obtained from Machilipatnam Costal Region. International Journal of Pharmacognosy and Phytochemical Research, 9(7), 928-932.
- **Suseela Lanka**, CH. Anjali, Muralidhar Pydipalli, (2017). Enhanced production of alkaline protease by *Aspergillus niger* DEF 1 isolated from dairy form effluent and determination of its fibrinolytic ability. African Journal of Microbiological Research, 11(11), 440-449.
- **Suseela Lanka**, Muralidhar Pydipalli, (2017). Computational Methods: Tools for Structure-Functional studies and Protein Engineering. Research Journal of Life Sciences, Bioinformatics, Pharmaceutical and Chemical Sciences, 2(5), 110-118.
- **Suseela Lanka**, Muralidhar Pydipally and J. Naveena Lavanya Latha, (2016). Extraction and activity studies of industrially important enzymes from marine *Fusarium* species isolated from Machilipatnam sea water, (A.P), India. European Journal of Pharmaceutical and Medical Research, 3(12), 254-258.

- **Suseela Lanka**, Muralidhar Pydipalli & J. Naveena Lavanya Latha. (2015), Optimization of Process Variables for Extracellular Lipase Production from *Emericella nidulans* NFCCI 3643 Isolated from Palm Oil Mill Effluent (POME) Dump Sites Using OFAT Method, *Research Journal of Microbiology*, 10(2), pp.38-53.
- **Suseela Lanka** & J. Naveena Lavanya Latha. (2015), Response Surface Methodology as a Statistical Tool for Fermentation Media Optimization in Lipase Production by Palm Oil Mill Effluent (POME) Isolate *Emericella nidulans* NFCCI 3643, *International Journal of Innovative Research in Science, Engineering and Technology*, 4(4), pp.2535-2545.
- **Suseela Lanka** & J. Naveena Lavanya Latha. (2015), Purification and characterization of a new cold active lipase, EnL A from *Emericella nidulans* NFCCI 3643, *African Journal of Biotechnology*, 14(22), pp.1897-1909.
- **Suseela Lanka**, Venkateswar Rao Talluri, V. Ganesh & J. Naveena Lavanya Latha. (2015), Homology Modeling, Molecular Dynamic Simulations and Docking Studies of a New Cold Active Extracellular Lipase, EnL A from *Emericella nidulans* NFCCI 3643, *Trends in Bioinformatics*, 8(2), pp.37-51.
- **Suseela Lanka** & J. Naveena Lavanya Latha. (2015), A Short Review on Various Screening Methods to Isolate Potential Lipase Producers: Lipases-the Present and Future Enzymes of Biotech Industry, *International Journal of Biological Chemistry*, 9(5), pp.207-219.
- **Suseela Lanka** and J. Naveena Lavanya Latha, 2015, Taguchi design of experiments for the optimization of lipase production by *Emericella nidulans* DAOM 222012 isolated from Palm Oil Mill Effluent (POME) dump sites, *International Journal of Applied Biology and Pharmaceutical Technology*, 6 (3), pp. 64-71.
- **Suseela Lanka**, Ashok Kota, J. Naveena Lavanya Latha*, 2014, Neurospora Bloom on left over Palm bunch wastes, *Asian journal of Pharmaceutical and Biological Research*, 4(1), under letter to the Editor.
- **Suseela L**, Anupama M, Prudhvilal B. Narasaiah TV & Naveena Lavanya Latha J. (2014), Isolation & Characterization of Lipase producing Fungi from Palm Oil Mill Effluent obtained from Pedavegi, A.P., India, *International Journal of Biological & Pharmaceutical Research*, 5(7), pp.559-565.

- **Lanka Suseela**, Shaik Gousia and Pydipalli Muralidhar, 2014, Paradigm on Genetically Modified Foods, *Research Journal of Recent Sciences*, Volume 3 (ISC-2013), pp. 98-109 (2014).
- **Suseela L**, Muralidhra P, Narasaiah TV and J. Naveena Lavanya Latha, 2013, Isolation of actinobacteria and its antagonistic effects on native organisms from Northern black soils of Katheru,(A. P.), India, *Applied Cell Biology*, 2(1), pp.31-36.
- M. Sandhya Madhuri, A. Sathyaraj & **Suseela Lanka**, 2012, Development and validation of RP-HPLC method for the estimation of Dapoxetine Hydrochloride in tablet forms, *International Journal of Pharmaceutical Sciences Review and Research*, 14(1), pp.31-37.

Book Chapter

- J. Naveena Lavanya Latha, P. Naga Babu, P. Rakesh, K. Ashok Kumar, M. Anupama, **L. Susheela**, 2013, Fungal Cell Walls as Protective Barriers for Toxic Metals, Nova publishers, pp. 181-198.

Seminars organized

- Organized a National seminar on “Conservation of Wetlands for the Sustainable Development” on 1st & 2nd February 2014 at Krishna University Dr. MRAR PG Centre, Nuzvid in association with APCOST.
- Joint secretary for the National seminar on Conceptual advances & impact of plant derived drugs on human diseases (NSCAPDHD-2014), March 5-6, 2014.
- Organizing member of the one day International Seminar on “Role of chemistry in Drug discovery” conducted by the Krishna University in collaboration with Royal Society of Chemistry (London) – Deccan Section – Hyderabad, on 6th July, 2013.
- Organizing member of the one day International Seminar on “ Role of chemistry in the present era” conducted by the Krishna University in collaboration with Royal Society of Chemistry (London) – Deccan Section – Hyderabad, on 25th August 2012.
- Organizing member for National level seminar on “Lake Kolleru-the wet land ecosystem: conflict between development and environment” has been organized on 2-3 february, 2011.

Paper's presented in Symposia/Conferences/Seminars

(Oral/Posters)

- Participated in the one day work shop on “Research Concepts and Incubating Ideas on IOT” sponsored by TEQIP-II organized by University College of Engineering, Jawaharlal Nehru Technological University, Kakinada on August, 3, 2016.
- Participated in the “Work shop on Open Educational Resources for Development” organized by Commonwealth Educational Media Centre for Asia, New Delhi in collaboration with Krishna University, Machilipatnam held on March 2-5, 2015.
- Participated in the National seminar on “Conceptual advances & impact of plant derived drugs on human diseases” NSCAPDHD-2014, organized by Krishna University Dr.MRAR PG Centre, Nuzvid on March 5-6, 2015.
- Attended one day seminar on “Chemistry for the Sustainable Development” (CSD-2015), organized by The Royal Society of Chemistry (London)-DS and Andhra Pradesh Akademi of Sciences held at Krishna University Dr. MRAR PG Centre, Nuzvid on 26th September 2015.
- Presented a paper entitled “Screening for potential lipase producers from POME dumpsites” in International Conference on Environmental Biotechnology and Biodiversity (A Gateway to Sustainable Future), organized by Department of Chemical Engineering, AUCE, Andhra University, Visakhapatnam, AP, India, during 3rd & 4th, March, 2014.
- Participated in the National seminar & work shop on Genomics & Proteomics An Informatic Approach (NSGPI-2014) organized by Department of Biotechnology, Acharya Nagarjuna University, Guntur, held on 24-25 March, 2014.
- Participated in the UGC-DST sponsored National seminar on TRendys in Biochemistry, 2014, organized by Department of Biochemistry, Acharya Nagarjuna University, Guntur, held on 17-18 October, 2014.
- Presented a paper entitled “Role of Women education in the development of Indian economy” in UGC sponsored National seminar on “Status of Women in India during 20th century – A historical perspective” organized by Department of History, Dharma Appa Rao College, Nuzvid, during 6th & 7th September – 2013.
- Participated in AICTE Sponsored 2 day National seminar on “Recent trends in Surface Science and Nanotechnology” organized by Department of Science and

Humanities, Pottisriramulu Chalavadi Mallikarjuna Rao College Of Engineering & Technology – Vijayawada, during 29th & 30th November, 2013.

- Presented a paper entitled “Role of Genetically Modified Foods in Food Security” in International Conference on Role of Plant Biochemistry and Biotechnology in Food and Nutritional security, organized by Department of Biochemistry, Sri Venkateswara University, Tirupathi, during 11-14, December, 2013.
- Presented a paper entitled “Extraction and activity studies of Industrially important enzymes from marine *Fusarium* species” in 3rd International Science Congress (ISC-2013), organized by Karunya University, Coimbatore, Tamilnadu, India, during 8th & 9th December 2013.
- Presented a paper entitled “Screening for potential lipase producers from POME dumpsites, Pedavegi, West Godavari Dist, A.P. India” in International symposium on Environmental Pollution, Nutrition & Genetics: A special Symposium on Cancer Biology & Therapeutics, organized by Department of Chemistry, Vikrama Simhapuri University, Nellore, during 27-29 December 2013.
- Participated in the workshop on “Intellectual property and Innovation Management in Knowledge Era” organized by NRDC and Krishna University Dr. MRAR PG Centre, Nuzvid, Krishna district, Andhra Pradesh.
- Presented a paper titled “Spectrophotometric determination of Azatanavir in pure and dosage formulation” Internation seminar on current trends in environmental toxicology and experimental therapeutics (ISETET- 2012), organized by Department of Chemistry, Vikrama Simhapuri University, Nellore during 18-19 Dec-2012.
- Presented a paper titled “Spectrophotometric determination of Azatanavir in pure and dosage formulation” in the 5th AP Science congress organized by Andhra Pradesh akademi of sciences and Acharya Nagarjuna University on November 14-16, 2012.
- Presented a poster on “ Childhood Obesity: Stratagies for treatment and prevention” in the International conference on Molecular Medicine (MOLMED – 2012) organized by the VIT, Vellore, Tamilnadu, INDIA, from 19-22nd of Feb 2012.
- Presented a paper on “Dehalogenases from *Aspergillus flavus* as potent enzymes in the detoxification of waste effluents from Folic acid manufacturing places” in the National seminar on Recent trends in Pharmaceutical Chemistry (RTPC-2011),

organized by Department of Pharmaceutical Chemistry, Krishna University, Machilipatnam, during 30-31st January 2011.

- Presented a paper on “Impact of Urbanization on wetlands – Toxic accumulation of heavy metals and their prevention” in the two day Nation seminar LKCDE – 2011, organized by the Department of Biotechnology in association with AP Pollution Control Board (APPCB), Krishna University, Machilipatnam, during 2nd and 3rd February 2011.
- Presented a paper on “Scientific Lexis in every day usage” in the National conference on English for Specific Purposes organized by Department of English, Krishna University, Machilipatnam in association with Andhra Pradesh State Council of Higher Education (APSCHE), held during 4th and 5th February, 2011.
- Presented a poster on “Mercury toxicity in Machilipatnam coastal region” in the International conference on Biodiversity & Aquatic Toxicology organized by Department of Zoology & Aquaculture, Acharya Nagarjuna University, Guntur, during 12th and 14th February 2011.
- Participated in one day National seminar on Computer aided drug design organized by Department of Biotechnology, Koneru Lakshmaiah University & Schrodinger LLC, Guntur, on 20th February 2011.
- Participated in the Earth Day Celebrations organized by Krishna University, Machilipatnam in association with Andhra Pradesh Akademi of Sciences, Hyderabad, held during 20th & 21st April 2011.
- Presented a paper on Green Chemistry in a National seminar on “Green technology for sustainable development and role of women” organized by Department of Botany, Govt.Narmada P.G.College, Hoshangabad. M.P. during 11th May, 2011.
- Presented a poster in the National seminar cum Workshop on “Emerging Trends in Molecular Diagnosis” organized by Department of Biochemistry, Acharya Nagarjuna University in collaboration with Ras Life Sciences, Nachara,, Hyderabad, during 25-26, November, 2011.
- Participated in the National seminar on Chemistry of Natural products (CNP-2011) organized by Department of Chemistry, Krishna University, Machilipatnam in association with A.P Akademi of Sciences, Hyderabad & A.P. Pollution Control Board, Vijayawada, held during 28th -29th November, 2011.

- Presented a poster on the “Purification and Characterization of Dehalogenases from *Aspergillus flavus*” in the 74th Annual Meeting Society of Biological Chemists (India), Lucknow -2005.
- Presented a poster on the “Over Expression of Di and Tri-Ubiquitin: Substrates for Ubiquitin-C-Terminal Hydrolases from *Neurospora crassa*” 74th Annual Meeting Society of Biological Chemists (India), Lucknow -2005
- Participated in the 61st BRNS-IANCAS National workshop on *Radiochemistry and Applications of Radioisotopes* at the Dept of Biochemistry, OU, Hyderabad- 2006.
- Participated in a National work shop organized by Department of Biochemistry, University of Hyderabad -2003.

Orientation/Refresher courses attended

Name of the Course	University	Period
71 st UGC Orientation programme	Sri Venkateswara University	27-5-2013 to 22-6-2013
NSS Orientation course	Andhra University	14-12-2013 to 20-12-2013
Refresher Course	Andhra University	1-6-2015 to 21-6-2015
Refresher Course	Osmania University	28-12-2015 to 20-1-2016

Co-Curricular and University Administrative activities

- Executive Council member, Krishna University, Machilipatnam.
- Member of Academic Council, Krishna University, Machilipatnam.
- NSS (National Service Scheme) Programme officer, 2012-till date.
- Ladies hostel warden, Krishna University Dr. MRAR PG centre, Nuzvid, 2013 to till date.
- Board of Studies member (Montessori Mahila Kalasala (Biotechnology), P.B. Siddhartha College of Arts and Science (Autonomous)(Biotechnology), Siddhartha Mahila college (SDMS) (Biochemistry), AG&SG College, Vuyyuru (Science and technology), Maris Stella College (Home Science)).

- Inspection Committee member for Saptagiri Degree College (Vijayawada), Sri Vijayananda Degree College (Pedana), Vignan Degree College (Kaikaluru), Govt. Social Welfare Degree College (Kanchikacharla), Janet Degree College (Kethanakonda), Sri Narasimha Sanskrit College (Chitti Gudur), S.R.S.V College of Education (Vijayawada).
- Additional Coordinator, CDC, Krishna University, Machilipatnam.

PERSONAL PROFILE

- Name : Suseela Lanka
- Father's Name : Suresh Babu Lanka
- Mother's Name : Vijayalakshmi Lanka (Late)
- Husband's Name : Muralidhar Pydipalli
- Marital Status :Married
- Sex : Female
- Languages Known : English, Telugu, Hindi
- Nationality : Indian
- Permanent Address : D.No: 20/318-2
Brahmapuram, Road No. 3
Opposite Kodanda Rama mandiram
Machilipatnam.