



Dr. SUSEELA LANKA

Assistant Professor
Department of Biosciences and Biotechnology
Krishna University
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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, Food Science, Medicinal plants and Cancer Biology

EDUCATIONAL QUALIFICATIONS

Ph.D. Biotechnology, Krishna University, Machilipatnam
M.Sc. Food and Nutritional Science, Acharya Nagarjuna University, Guntur
M.Sc. Biochemistry, Andhra University, Visakhapatnam
B.Sc. Biochemistry, Microbiology and Applied Nutrition, ANU, Guntur.
DCA Macro Info Tech, Visakhapatnam
B.A. Rashtra Basha Praveena in Hindi

PRESENT AND PREVIOUS EMPLOYMENT DETAILS

2015 – Till date: **Assistant Professor, Senior sacle**, Biosciences and Biotechnology, Krishna University, Machilipatnam.

2009–2015 : **Assistant Professor** of Biotechnology, Krishna University, Machilipatnam.

2008–2009 : **Lecturer**, Biochemistry, Bharat P.G College, Ibrahimpatnam, Hyderabad.

2004-2007 : **Junior Research Fellow**, Department of Biochemistry, Osmania University, Hyderabad and worked in the project entitled “Structure-

- 2003-2004 : Function relationships of Dehalogenases from *Aspergillus flavus*".
: **Technical Assistant**, Department of Biochemistry, University of Hyderabad and worked in the project entitled "Estimation of Telomere length of DNA isolated from lymphocytes of Human blood".
- 2002-2003 : **Project Assistant**, Department of Endocrinology and Metabolism, National Institute of Nutrition and worked in the Reproductive and Child Health project.
- 2001-2002 : **Biochemist**, Yashoda super specialty hospitals, Hyderabad.

CO-CURRICULAR AND UNIVERSITY ADMINISTRATIVE ACTIVITIES

Coordinator, College Development Council (9-12-2020 to Till Date)

Coordinator, Women Empowerment cell (2020 to Till Date)

Nodal Officer, Ek Bharath, Sreshtha Bharath, Sikshith Bharath (2020 to Till Date)

Associate Editor, Krishna University News Letter (2020 to Till Date)

Member, Dairy Committee, Krishna University, Machilipatnam

Coordinator II, College Development Council (2019-2020)

Executive Council member, Krishna University, Machilipatnam (2016-2019)

Academic Council member, Krishna University, Machilipatnam (2016-2019)

Additional Coordinator, College Development Council, Krishna University, Machilipatnam (2017-2019)

Head (I/c), Department of Botany (2016-2018).

NSS (National Service Scheme) Programme officer (2012-2016).

Ladies hostel warden, Krishna University Dr. MRAR PG centre, Nuzvid (2013-2016).

Member, Department Research Council, Biosciences and Biotechnology, Krishna University

Organizing Committee member, Krishna University Youth Festival, Krishna Tarang from (2011 to 2018)

Treasurer, Krishna Tarang, 2016

Board of Studies member for various courses (KRU affiliated colleges), BOS member for Biochemistry, KGRL college, Bhimavaram

Inspection Committee member for various affiliated colleges

AWARDS/FELLOWSHIPS AND HONOURS

- Best Researcher Award, IJIEMR-ELSEVIER SSRN Research Awards 2020, organized by International Journal for Innovative Engineering and Management Research (December 20th, 2020).
- Outstanding Woman in Science' award by 5th Venus International Women Awards - VIWA 2020 (F. No. AAP-I /O-SC-NC2199), March 2020.
- Received "Best Women Scientist award" from the VOICE (Voice Of Indian Concern for the Environment) and Pondicherry Institute of Agricultural Sciences (PIAS), January 2020.
- Associate fellow, Andhra Pradesh Academy of Sciences (APAS), November, 2019.
- 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.

OVERVIEW

- International publications: 32
- Full Length papers in Proceedings: 02
- Book chapters: 11
- International Symposia/Conferences: 50
- National Symposia/Conferences .> 100
- UGC-ASC-Orientation/Refresher Courses: 07

RESEARCH PUBLICATIONS

- Mahesh V, Ramarao V. and **L. Suseela**. (2022). Avian diversity of Jangareddigudem town, Andhra Pradesh, India with reference to their threats. *Indian J. Applied & Pure Bio.* Vol. 37(1), 71-79.
- Mahesh Veerā and **Suseela Lanka** (2022). Conservation techniques for perpetuation of House Sparrow *Passer domesticus* L., *Indian J. Applied & Pure Bio.* Vol. 37(1), 54-58.
- Veerā Mahesh, **Lanka Suseela** (2021). Nest Site Interference Competition between House Sparrow Couples for Breeding. *Bulletin of the Natural History Museum - Plovdiv Bull. Nat. Hist. Mus. Plov div*, 2021, vol. 6: 65-68.
- Veera Mahesh, **Suseela Lanka**, Protective Nest Design for Indian House Sparrow (*Passer domesticus* L.) - with Reference to Predation and Reuse, September 2021, *Agricultural Science Digest - A Research Journal*, DOI: [10.18805/ag.D-5438](https://doi.org/10.18805/ag.D-5438).
- Veera Mahesh, **Suseela Lanka**, Status Survey of House Sparrow (*Passer domesticus*) at West Godavari District, Andhra Pradesh, India, *International Journal of Zoological Investigations* Vol. 7, No. 2, 512-518 (2021) September 2021, DOI: [10.33745/ijzi.2021.v07i02.028](https://doi.org/10.33745/ijzi.2021.v07i02.028).
- Veera Mahesh, **Suseela Lanka**, Roosting Behaviour and Roosting Interactions Between House Crow *Corvus splendens* and Large-billed Crow *Corvus macrorhynchos* at Machilipatnam, India. *International Journal of Zoological Investigations* Vol. 7, No. 2, 414-420 (2021) August 2021, DOI: [10.33745/ijzi.2021.v07i02.013](https://doi.org/10.33745/ijzi.2021.v07i02.013).
- **Lanka, S.**, & Sowjanya Goud, M. (2020). Role of Microorganisms in the Biodegradation of Plastics. *International Journal for Innovative Engineering and Management Research (Elsevier SSRN Journal)*, 9(12), 645–650.
- **Lanka, S.**, & Kota, A. K. (2020). Household herbs, Spices and Ayurvedic products as effective remedies to fight against COVID-19. *Vidyabharti International Interdisciplinary Research Journal* (i.e. UGC CARE Group II—Web of Science Journal), Special Issue, 405–419.
- **Suseela Lanka** and Muralidhar Pydipalli (2020). Impact of COVID-19 Lockdowns on Environment and Climate. *Journal of Research and Development*. Vol.(10), Special Issue (8), 24-28.
- **Suseela Lanka** and Muralidhar Pydipalli. Yoga and Pranayama to improve Respiratory Pressure, Pulmonary function and boost Immune responses to combat the present COVID-19 pandemic. *Indian Journal of Ancient Medicine and Yoga*. 2020, 13(2): 87-94.

- **Suseela Lanka** and Muralidhar Pydipalli. Impact of COVID-19 Lockdowns on Environment and Climate. *Journal of Research and Development*, 2020, 10 (8), 24-28.
- **Suseela L.** A Review on Aloe-vera- The Wonder Medicinal Plant. *Journal of Drug Delivery & Therapeutics*. 2018; 8(5-s):94-99.
- **Suseela L,** Muralidhar P. Reduction of organic load from palm oil mill effluent (POME) using selected fungal strains isolated from POME dump sites. *African Journal of Biotechnology*. Vol. 17(36), pp. 1138-1145, 5 September, 2018. DOI: 10.5897/AJB2016.15821.
- **Suseela L,** A review on pharmacological, medicinal and ethnobotanical important plant: *Phyllanthus emblica* linn. (syn. *Emblica officinalis*). *World J. Pharm. Res.* 7(4), 2018, 380-396.
- **Suseela L,** Antimicrobial activities of *Syzygium cumini* leaf and bark extracts. *World J. Pharm. Res.* 7(4), 2018, 1163-1169.
- **Suseela L,** A review on mangrove vegetation in Diviseema & Machilipatnam regions and potential applications of these plants in Nanoparticle synthesis. *World J. Pharm. Res.* 6(15), 2017, 185-197.
- **Suseela L** and Parimala, Antimicrobial activities of *Tectona grandis* leaf and bark extracts. *European J. Pharm. Med. Res.* 4(12), 2017, 245-248.
- **Suseela Lanka,** Tabitha Trinkle B (2017) Screening and Isolation of Lipase Producing Fungi from Marine Water Obtained from Machilipatnam Coastal 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 CHAPTERS

- **Lanka S.**, Murari S.G. (2022) Aquatic Plants in Phytoextraction of Hexavalent Chromium and Other Metals from Electroplating Effluents. In: Malik J.A. (eds) Advances in Bioremediation and Phytoremediation for Sustainable Soil Management. Springer, Cham. https://doi.org/10.1007/978-3-030-89984-4_8
- **Suseela Lanka**, (2021). COVID-19 Lockdowns and Their Impact on Environmental Health, In: Title of the Book Climate Change and Sustainability -A Novel Approach for Environmental Protection, Publisher: Immortal publications, ISBN : 978-93-5437-470-8.
- **Suseela Lanka**, (2021). Role of diet and dietary factors in carcinogenesis, In: Title of the Book Recent Advances and Current Trends in Chemical and Life Sciences, Published By: Immortal publications ISBN : 978-93-5437-095-3.
- Mahesh, V., & **Lanka, S.** (2021). Global scenario and Conservation Status of House sparrow (*Passer domesticus*). In Sandeep, R., *Kalyani Pradhan.*, & *Ajay Kumar, P.* (Eds.), Food and Agriculture, ESN Publications, p. 528–547, ISBN no. 978-81-950305-9-0.
- Sowjanya Goud, M., & **Lanka, S.** (2021), Chitosan from crustacean shell waste in heavy metal removal from industrial effluents. In S. Lanka & N. Aruna Kumari (Eds.), *Biotechnology for Sustainable Development*, Immortal Publications, p. 1-8. ISBN No. 978-93-5437-925-3.
- **Suseela Lanka**, Ashok Kumar K, Swarupa Rani M. “Role of Nanotechnology in Waste minimization” In Global Environmental Governance, Policies And Ethics” 2020, Immortal Publications, ISBN No. 978-93-5419-920-2.
- **Suseela Lanka**, “Crustacean Shell Waste As A Sustainable Source Of Biodegradable Biopolymers”, In Role of Chemical Sciences in Technology and Development for Sustainability, Immortal Publications, 2020, pp. 191-208.
- **Suseela Lanka**, “The antiproliferative and Chemopreventive activity of Moringa oleifera extracts”, In Multidisciplinary subjects for Research Vol-I, August 2020, Redshine publications, ISBN No. 978-1-71695-479-5.
- **L. Suseela**, M. Swarupa Rani, K. Ashok Kumar “ Physico-Chemical and Heavy metal analysis of effluent waste water from rold gold jewellery industries and to review on its safe disposal using phytoremediation approach with special emphasis on *Hydrilla verticillata*, an aquatic plant”, In Sustainability in Environmental Engineering and Science”, Springer, 2020, pp. 243-252.
- 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.

- **Suseela L, Prudhvi Lal B, *Scientific Lexis in every day usage*, English for Specific Purposes teaching and learning strategies, prestige books, New Delhi, 2011.**

SEMINARS/WORKSHOPS ORGANIZED

- Organizing member, **INSA Lecture workshop on “Old Vistas and New Challenges in Biology”**, Department of Biosciences and Biotechnology, Krishna University, Machilipatnam, 17th -18th December 2021.
- Organized a one day National webinar on **“Bioinformatics and Molecular Tools to Understand Plant Genome Diversity”**, (NBMPGD-2021), 12TH August 2021.
- Organized a one day International webinar Tenali Ramakrishna Distinguished Lecture titled as **"Building Climate-Ready Communities: Role Scientific Research and Circular Economy"** on the eve of World Science Day, 10-11-2021.
- Organized an online programme on the **‘Importance of Yoga and Pranayama in combating COVID-19 pandemic’** in association with The Art of Living, on the occasion of 7th International Yoga Day (21st June 2021).
- Co Convener for one week **Research Methodology course work**, organized by Research Development section, Krishna University, Machilipatnam, 12th to 19th October 2020.
- Organizing member, One day **International webinar** on “Translational cancer Research and Therapeutics” organized by Department of Biosciences and Biotechnology, Krishna University, Machilipatnam, July 25th, 2020.
- Joint secretary for the National seminar “Interface of Allied Science Technology on Life Science Research” (**IASTLSR 2020**) organized by the Department of Biosciences and Biotechnology, Krishna University, Machilipatnam on 28th and 29th February 2020.
- Acted as a Joint secretary for the National seminar on Perspectives On Solid Waste Management (**NSSWM 2017**), Department of Biosciences & Biotechnology, Krishna University, Machilipatnam, Oct 12-13, 2017.
- Organizing Secretary for the National seminar on Conservation of Wetlands for the Sustainable Development (**CWSD-2014**) 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 (**RCDD-2013**) 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 (**RCPE-2012**) 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” (**LKCDE-2011**) has been organized on 2-3 february, 2011.

PAPERS PRESENTED/PARTICIPATED IN SYMPOSIA/CONFERENCES/SEMINARS (ORAL/POSTERS)

- Presented a paper titled “Household herbs, spices and Ayurvedic products as effective remedies to fight against COVID-19” in the two days Interdisciplinary International e-Conference on “Impact of COVID-19 on Various Areas of Global Economy, Science & Humanities” organized by Gondwana University, Gadchiroli; Mahila Mahavidyalaya, Amravati; Chintamani College of Commerce, Pombhurna; Chintamani Mahavidyalaya, Pombhurna; Chintamani Mahavidyalaya, Ghugus; Chintamani College of Science, Pombhurna & Chintamani College of Arts and Science, Gondpipri, District Chandrapur, MS, India.
- Presented a paper titled “Nature Has Solutions For Every Problem And Technology (Bio) Is The Medium To Unveil The Secrets Of Nature ” in the Virtual International seminar on “Strategies and Opportunities in dealing with COVID-19 Pandemic-Biotechnological Implications”, organized by Department of Biotechnology, Sri Padmavati Mahila Visvavidyalayam (Women's University), Tirupati.
- Participated in the one day workshop on “NAAC methodologies for Quality enhancement and assurance in universities and colleges” on 13th March of 2020.
- Participated and acted as a Joint secretary for the National seminar “Interface of Allied Science Technology on Life Science Research” (**IASTLSR 2020**) organized by the Department of Biosciences and Biotechnology, Krishna University, Machilipatnam on 28th and 29th February 2020.
- **Suseela L**, K. Ashok, M. Swarupa Rani, Nanotechnological Approach for Hazardous Waste Minimization in a 2 day International Conference on Environmental, Agricultural, Chemical and Biological Sciences (January 24-25, 2020), organized by VOICE (Voice Of Indian Concern for the Environment) and Pondicherry Institute of Agricultural Sciences (PIAS) in association with Murray State University, USA, Centre for Environment and Agricultural Development (CEAD) and supported by Puducherry Council for Science & Technology, Dept. of Science, Technology & Environment, Govt. of Puducherry.

- **Suseela Lanka**, Swarupa Rani M. Presented a paper on Role of Diet and Dietary factors in Carcinogenesis in ICSSR-SRC sponsored two day national seminar on “Women: The Key to Ensure Food Security”, organized by Women Empowerment Cell, KBN college, Vijayawada, 27th and 28th December 2019.
- **Suseela Lanka**, Veera Mahesh, presented a paper titled “Conservation of House Sparrows by providing Artificial Nest Boxes” in the 13th annual convention of ABAP and Three day International conference on Environmental Sustainability, Human health and Development organized by Department of Biotechnology, Vignan University, 20-22 December 2019.
- Suseela L, M. Swarupa Rani, Mangrove Vegetation in Diviseema & Machilipatnam Coastal Regions and Their Potential Applications in Nanoparticle Synthesis, AP Science Congress, APAS and Dr. B.R.Ambedkar University, Srikakulam, 28th-30th November, 2019.
- **Suseela L**, M. Swarupa Rani, Enhanced production of Alkaline Protease by *Aspergillus niger* and to determine its fibrynolytic ability, National Seminar on Novel Microbial Technologies for Sustainable Development, School of Biotechnology, Dr. G.R.Damodaran college of Science, Coimbatore, 11th and 12th October 2019.
- **Suseela L**, Phytoremediation of effluent wastewater from rold gold jewellery industries using an aquatic plant *Hydrilla verticillata*, UGC sponsored two day national seminar on Emerging Biotechnological Techniques in Environmental Sustainability, 6th to 7th March 2019. Andhra Loyola College, Vijayawada.
- **Suseela L**, M. Swarupa Rani, Stress and Nutrition, National Seminar on Recent Trends in Applied Biology (NSRTAB), 16th and 17th August, 2018, School of Life and Health sciences, Adikavi Nannayya University, Rajahmundry.
- **Suseela L**, One day International seminar on Recent Advances in Chemistry and its role in Drug Design, 12th July 2018, Sri Siddhardha Pharmacy College, Nuzvid in association with Royal Society of Chemistry (LONDON), India, Deccan Section and APAS, Amaravathi.
- **Suseela L**, Ashok K, Lakshmi Prasanna, Probiotics and Obesity, Emerging role for Probiotics in cognition, Autoimmunity and Metabolic disorders, KL University, Guntur, 13th April 2018.
- **Suseela L**, *Waste minimization through Nanotechnology*, Environmental Biotechnology (EBIO 2017), Department of Chemical Engineering, Andhra University, Visakhapatnam Dec 23-25 , 2017.
- **Suseela L**, *Waste minimization through Nanotechnology*, Perspectives On Solid Waste Management (NSSWM 2017), Department of Biosciences & Biotechnology, Krishna University, Machilipatnam, Oct 12-13, 2017.
- **Suseela L**, Dissemination of Geospatial Technology for Development of Andhra Pradesh, Krishna University in association with APSAC, Vijayawada, Jan 19, 2017.

- **Suseela L**, Materials for the societal advancement with emphasis on health and energy, P.B. siddhardha College of Arts and Science, Vijayawada, in association with APAS & APCOST, Feb 22 - 23, 2017.
- **Suseela L**, Addressing Key Challenges and Problems In Surface Drainage System of Machilipatnam, Krishna University, MTM & APSCHE, June, 18-19, 2016.
- **Suseela L**, *Awareness on Mental Health*, Mental Health Awareness on the eve of World mental Health week(oct 4th to 10th), Training and placement cell, Krishna University, MTM, Oct 5, 2016.
- **Suseela L**, Naveena Lavanya Latha J, *Reduction of organic load from Palm Oil Mill Effluent (POME) using selected fungal strains isolated from POME dump sites*. 2nd Andhra Pradesh Science Congress (APSC)-2016, AP Akademi of Sciences, Dr. NTR Health University, Vijayawada, Krishna University, Machilipatnam & Acharya Nagarjuna University, Guntur, Nov 7-9, 2016.
- 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, Nacharam,, 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.

INVITED TALKS AS RESOURCE PERSON

- Resource person to 3 Day Residential Training Programme on “Food & Nutrition”, APHRDI, Bapatla and delivered a talk on “Stress and Nutrition”.
- Resource person to Three Day Residential Training Programme on "Critical Thinking in Global challenges" (25-27 July, 2017) and delivered a talk on Food Security.
- Delivered an Invited talk on “Chromosomal Abnormalities”, in the department of Zoology, Noble College, Machilipatnam on 10th August 2018.
- Delivered an Invited talk on “rDNA technology” in the department of Botany, AG & SG Siddhardha College, Vuyyuru on 5th December 2018.

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
Refresher Course on Teacher and Teaching in Higher Education	ARPIT	85% (200710010524arp19-ap67)
Refresher Course Pedagogical Innovations And Research Methodology (Interdisciplinary)	ARPIT	85% (200710010524arp19-ap72)
Swayam Arpit online course certification awarded For successfully completing the ARPIT course for Career Advancement Scheme(CAS) promotion Leadership And Governance In Higher Education. Level 2	ARPIT	64% (ARP20AP19146707424)

FACULTY DEVELOPMENT PROGRAMMES

- 5 day Faculty Development Programme on Recent Technological Advances in Life Sciences organized by Department of Microbiology, Bhavan's Vivekananda College of Science, Humanities and Commerce, Secunderabad, under DBT star college scheme from 1st to 1^{9th} November 2021.
- International Faculty Development Programme (VIRTUAL) on Recent Trends in Transforming Life Sciences - Focus on Academia & Industry Symbiosis, held from 13 -18 september 2021 , organised by Department of Biotechnology, Nizam College (A), Osmania University in association with Government City college and Loyola academy, Hyderabad.
- Faculty Development Programme on “Genetic Engineering: Theory and Applications”, IIT, Guwahathi, 12 Week Course, NPTEL, SWAYAM.
- National level Faculty Development Programme on “Plants for food and Health care” organized by Yogi Vemana University, Rajahmundry, from 12th – 14th August 2020.
- One Week International Faculty Development Program on “Research Strategies and Promotion of Teaching-Learning Process”, June 23rd to 28th 2020 organized by the Department of English from Bharat Institute of Engineering and Technology, Hyderabad, Telangana
- Three Day International Webinar - Faculty Development Programme on Indirect Effects of COVID-19 Outbreak on the Environment and Society, organized by the Departments of Zoology, Chemistry and Telugu, JMJ College for Women (Autonomous), Tenali, From 10th to 12th June, 2020
- Two Day National Webinar (Faculty Development Programme) from 05.06.2020 to 06.06.2020 entitled Analytical and Diagnostic Tools in Chemical and Life Sciences organised by Andhra University, Visakhapatnam and Andhra Pradesh Akademi of Sciences.
- National Level FDP on “Exploring the Facts in Writing A Research Article” Conducted by the Dept. of Computer Science, St. Joseph's Degree College, Kurnool on 10-June-2020.
- One Week Online Faculty Development Programme {F.D.P.} on I.C.T. Tools for Effective Teaching Learning from 1st June To 6th June 2020 organised by Internal Quality Assurance Cell and Faculty of Humanities, Chintamani Mahavidyalaya,Ghugus.He/She obtained Grade – A

- National Level FDP on “Outcome Based Education”, held from 28th to 30th May 2020, organized by St. Joseph Degree College, Kurnool, Andhra Pradesh.
- National Level FDP on “Tools for online classroom post COVID 19” from 18th may to 20th May, 2020, organized by Codgen IT solutions in association with P.B. Siddhardha college of arts and Science, Vijayawada.
- National Level FDP on “Tools and Techniques of Professional Development in Teaching” on 29th May, Department of Commerce, Little flower degree college, Uppal, Hyderabad.

WORKSHOPS

- Attended SCIENCE ACADEMIES’ LECTURE WORKSHOP on “ OLD VISTAS AND NEW CHALLENGES IN BIOLOGY” (OVNCB-2021) organised by Department of Biosciences and Biotechnology, Krishna University, Machilipatnam, AP, INDIA.
- Webinar & Workshop on Integrated Genomics and Proteomics Approach for Cancer Research, 04 December, 2021, Jointly organized by Department of Zoology, Gauhati University, TATA Memorial centre, and Mizoram University, Mizoram.
- Participated in the UGC STRIDE Workshop on “MOLECULAR PHYLOGENY AND MOLECULAR DOCKING” at the Mizoram University, Aizawl, Mizoram and obtained grade A .
- One week Science Leadership workshop (22-6-2020 TO 28-6-2020), organized by the Central University of Punjab, Bathinda.
- participated in three days National Workshop entitled “Advanced Educational Techniques In Science & Humanities, held on 02.06.2020 to 04.06.2020, Vasantao Naik Art’s, Science and Commerce College, Shahada, Dist. Nandurbar (MS), India, Affiliated to KBC North Maharashtra University, Jalgaon.
- Attended the hands-on workshop on "Moodle: An Online E-Learning Platform" on 30 May, 2020 organized by Department of Computer Science & Engineering and Information Technology, Chameli Devi Group of Institutions, Indore.
- Participated in the 2 day online workshop on “Modern methods for Teaching-Learning practices” held during 12th and 13th of May 2020, by Krishna University.
- Participated in the Two Day Online Workshop on “Online Tools & Software for Remote Teaching - Learning ” held during 24th & 25th of April, 2020 organized by UGC-HRDC, JNTUH, Hyderabad, Telangana State.

ONLINE COURSES

- Successfully completed self learning online course on “Understanding Open Educational Resources” offered by Common wealth of learning, Canada, May 27, 2020.
- Online WGCapD Webinar Series on “Remote Sensing in Crop Monitoring and Assessment”. The webinar series was conducted by Indian Institute of Remote Sensing (IIRS), ISRO, during 19 May to 9 June, 2020.

SUBJECTS TAUGHT

- Genetic Engineering
- Molecular Biology of Plants
- Immunology and Immunotechnology
- Molecular Cell biology
- Intermediary Metabolism
- Plant Biotechnology
- Biostatistics

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 Ramamandiram, Macilipatnam.