

RESUME

Dr. Lavudi Saida
Associate Professor & Head
Centre for Biotechnology
Institute of Science and Technology
JNTU University Hyderabad
Kukatpally Campus, Hyderabad, 500 085

Phone: 040-23156129 (off)
040-23058729 (fax)
9618528040 (cell)
Mail:lavudisaida@jntuh.ac.in,
lavudi_saida@yahoo.com

Date of Birth: 05-August-1978

ACADEMIC QUALIFICATIONS:

- **B.Tech Chemical Engg. Osmania University, Hyderabad(2001).**
- **M.Tech Biotechnology Anna University, Chennai (2004)**
- **Ph. D. Biotechnology JNTUH, Hyderabad (2013)**

POSITIONS HELD:

- **University NSS Coordinator** from December 2022 to till date
- **Head of the Department, CBT, IST, JNTUH** from May 2021 to till date
- **Additional Controller of Examination, JNTUH,** from Nov 2016 to May 2021
- **Chair Person, BOS,ChemicalEngg, CEH, JNTUH,** in July, 2015
- **PTPG Co-Ordinator, IST, JNTUH,** from Sept 2015 to till date
- **Head, Centre for Biotechnology** from Sept 2012 to Feb, 2015.
- **Nodal Officer, TEQIP-II, IST, JNTUH,** from August, 2014 to August 2015
- **Hostel Manager, IST** from Dec, 2012 to till date
- **PTPG Co-Ordinator, IST, JNTUH,** from August, 2009 to August, 2010.
- **Member of Board of Studies in Biotechnology**for CMR College of Engg& Technology, Hyderabad.
- **Team Leader of the Flying Squad to work in 046-Kukatpally Assembly Constituency,** Hyderabad, in March, 2014
- **Assistance Officer In-Charge, IST Nodal Centre,** JNTUH, February 2009

PROFESSIONAL ACTIVITIES

- Involved in Teaching, Research and Curriculum development

- Guided 50 Project Students for their M.Tech as the main supervisor and 30 Project Students for their M.Tech as a co-supervisor
- Published 17 papers in International Journals and 10 in National journals and delivered 5 Invited lectures at National level conferences.
- Actively involved in collaborative research with different organizations like Indian Immunologicals, Hetero Drugs Pvt Ltd., CIPHET, Punjab and others in different areas related to Biotechnology & Chemical Engg.

MEMBER IN VARIOUS COMMITTEES:

- Ph.D Admission Results Processing Committee Member, JNTUH, in November, 2018.
- Member of Selection committee for AcSIR – Ph.D Programme for Engineering sciences stream in **CSIR-IICT**, Hyderabad.
- Institutional Biosafety Committee Member for **LONZA Biosciences Pvt Ltd.**, from 2017 to till date.
- Ph.D Admission Results Processing Committee Member, JNTUH, in November, 2015
- University Library Purchase committee Member, JNTUH, in Sept 2014
- Purchase Committee Expert Member, Biotechnology, IST, JNTUH in March, 2014
- Board of Studies Member for Biotechnology of CMR College of Engg & Technology.

INTERNATIONAL/NATIONAL SEMINARS, TRAININGS AND WORKSHOPS ORGANISED AND ATTENDED:

- **Organized** TEQIP-III sponsored Online National Conference on “**Frontiers in Biotechnology & Bioengineering**” (NCFBB 2020), CBT, JNTUH (16th – 18th July, 2020)
- **Participated** in a one week National Level Faculty Development Program and Online Training on “**Moodle Learning Management System**” organized by **JNTUH and IIT Bombay (10th – 15th June, 2020)**

- **Participated** in a one week National Level Faculty Development Program and Online Training on “ **SCILAB – An Open Source Substitute for MATLAB**” organized by **JNTUH and IIT Bombay (25th – 30th May, 2020)**
- **Organized** a National Conference on **Biotechnology and Bioengineering Trends NCBT-2020** (TEQIP-III), CBT, JNTUH (**27th – 29th February, 2020**)
- **Participated** in a 3 Days Workshop on “**TRAIN THE TRAINERS ON EXAMINATION REFORMS**” organized by BVB College of Engineering & Technology, **Hubballi, Karnataka (17th-19th February, 2020)**
- **Participated** in the Faculty Development Program organized by IIM, Jammu (**18th -22nd November, 2019**)
- **Organized** a Two-day Hands on Workshop On “Current Research & Future Innovations In Drug Discovery For Genome Medicine”, IST, **JNTUH (29th-30th November, 2019)**
- **Participated** in A two-Week AICTE and TEQIP-III Funded FDP ON “Synthesis and Characterization of Nanomaterials”, **JNTU, Hyderabad (4th -16th November, 2019)**
- **Organized** One Day Workshop on Research Methodology in Science & Technology (**31st July, 2019**)
- **Participated** in the National Conference on “Equity: Achievements and Challenges in India” organized by **NPIU-NewDelhi and SPIU-Mumbai (15th-16th March, 2019)**
- **Participated** in Professional Development Training under TEQIP-III at IIM, Indore (**28th January to 1st February, 2019**)
- **Participated** in a three day workshop on “Migration, Navigation and Bio-mimicking Aerial vehicles” organized by CBT,IST-JNTUH in collaboration with Research and training unit for navigational electronics, Osmania University and IEEE Hyderabad section (**1st -3rd November, 2018**)

- **Organized** the Three Days Workshop on “ **Fundamentals of CRISPR – Applications in Genome Editing**”, held at CBT,IST,**JNTUH**, Hyderabad (**27th-29th September, 2018**)
- **Organized** a Two Day Workshop on **Recent Trends in Optimization Studies For Engineering Applications** (TEQIP-III), CBT, **JNTUH** (**13th -14th August, 2018**)
- **Organized** a One Day Workshop on **Emerging Trends In Patents and IPR & Future Implications**, CBT, **JNTUH** (**24th April, 2018**)
- **Participated** in the phase-I & II of the Faculty Development Program (FDP) on “**MOOCS & Open Educational Resources**”, JNTUH (5th – 7th January & 21st-22nd May, 2018)
- Given an **invited talk** entitled “**Impact of Industrial Effluents On Soil-Phytochemical and Biological Properties**” in a “National Conference on Harmony with Nature in Context of Environmental Issues and Challenges” organized by kakatiya University, Warangal in association with National Environmentalists Association, Ranchi, **Jharkhand** (**21st- 23rd December, 2017**)
- Organized an International Conference on Biotechnology & Bioengineering Trends ICBT 2017, **JNTUH**, Hyderabad (**23rd – 25th March, 2017**)
- **Training in** Bioprocess Engineering under TEQIP II, **Windsor University, Canada** (**20-28 June, 2016**)
- **Training in** Academic Leadership Programme for TEQIP Institutions, **IIM, Kozhikode.** (**23-28 November, 2015**)
- **Participated** in AICTE Organized (TEQIP-II) **Pedagogical Training (Module-I), NITTT & Research,Chadigarh.**
- **Participated** in National Workshop on Modeling, Simulation & Optimization of Bioprocess, **NIT, Warangal.**
- **Participated** in Continuing Education Program on “**Summer Workshop on Problem Solving Skills in Bioprocess Engineering 2015**”, IIT Madras.

- **Participated** in the “**Workshop of Internal Quality Assurance Mechanisms**”, IIT Madras (28th to 30th October, 2014)
- **Chaired in** “International Conference on Environment & Energy”, Technical Session, **JNTUH, Hyderabad. (15th -17th December, 2014)**
- Six weeks **Training** on Bio Process Engineering at Dept. of Grain Science Industry, **Kansas State University, USA. (November-December 2008)**
- Research training in the area of Biochemical Engg., at CIPHET, Ludhiana, Punjab.
- “Eight weeks **Training** on Bio Pharmaceutical Production and Engineering (Microbial fermentation, Animal Cell Culture, Down Stream Processing)” at **Biozeen , Bangalore, India. (April-June, 2007)**
- **Training** at the SPIC-Bioprocess lab, Taramani, Chennai under Dr. Meenakshi Sundaram, Asst. Professor, Centre for Biotechnology, **Anna University**: “Residence time distribution of a Reactor, K_{La} determination, French press, Determination of microbial kinetics”. **(December 2004-January 2005).**
- **Training** at the **SPIC-Bioprocess lab**, Taramani, Chennai under Dr. Arun Balakrishnan, Ex-Director, Centre for Biotechnology, Anna University: “Extraction of solute from plant samples by solid-liquid extraction technique, separation of components by rota-vacuum technique and chromatographic techniques”. **(June 2005-July 2005).**
- Two-Day workshop on “**Design on Experiments for Scientists and Engineers**” held at **Indian Institute of Chemical Technology**, Hyderabad from 16th -17th August, 2007.
- **Biotechnology Research Society of India (BRSI) Conference** on the topic of “Path to health - biotechnology Revolution in India” held at **Anna University**, Chennai, 24th-26th November, 2005.
- **Centre for Bharatiya Marketing Development** (a unit of swadeshi jagaram foundation, New Delhi) supported by department of science and technology (**DST**), held at **CBIT campus**, Hyderabad, 17th -19th 2000

OTHER SOCIAL ACTIVITIES

- Organized **International Yoga Day**, NSS Unit of JNTUH, UCESTH in Association with ISHA Foundation (21st June, 2023)
- Participated in **Narcotic Drugs Awareness Programme** (3rd June, 2023)
- **Participated in Blood donation camp** for Thalassemia (12th April, 2023)
- Participated in **Yuva Samvad – India@2047** (31st March, 2023)
- Depute the NSS Volunteers for **National Integration Camp** by the Regional Directorate of NSS, Hyderabad (3rd- 9th March, 2023)
- Depute the NSS Volunteers for DTE Polytechnic Bangalore **National Integration Camp, Dharwad** (22nd – 28th February, 2023)
- Participated in **Haritha Haram** (17th February, 2023)
- Depute the NSS Volunteers for National Youth Parliament festival-2023 (25th-29th January, 2023 & 3rd- 7th February, 2023)
- Organized **India's Presidency of G20** (Vasudhaiva kutumbakam) at JNTUH (30th – 31st January, 2023)
- Played active role in **Clean India programme** (19th October, 2022)
- Participated in the **NSS Youth Convention on Kill Cancer** Organized by NSS Cell, JNTUH in coordination with ISKON Society (18th December, 2019)
- Participated in the **University Level Gandhian Padayatra** Organized by NSS Cell, JNTUH (15th August, 2019)
- Participated in Five Day Workshop on **“Youth for Climate Change”** organized by Centre for Environment Institute of Science & Technology, JNTUH & National Service Scheme (22nd – 26th March, 2019)

- **Coordinated several community service Programmes** under the World Bank funded TEQIP. Some of these activities include Training in Photoshop, flash and illustrator software for self employed DTP operators, Training in Molecular Biological Techniques for Polytechnic Teachers. Environmental education and awareness for School Teachers, Plant Tissue Culture Techniques and Instrumental Methods of analysis for unemployed educated youth and Internet and computer usage for housewives.

REFERENCES:

- **Prof. M. Lakshmi Narsu., Ph.D (IISc),**
RTD. PROFESSOR, CBT,
Institute of Science and Technology,
J N T University, Kukatpally, **Hyderabad – 500 085.**
Andhra Pradesh, INDIA.
Phone: 040-23156129(O)
09490173899 (Mobile)
e-mail : mangamoori@gmail.com
- **Dr. Sanjoy Ghosh, M.Tech. Ph.D. Engg. (IIT), MIChE**
BiochemicalEngineering
DepartmentofBiotechnology
IndianInstituteofTechnologyRoorkee
Roorkee – 247 667,
Uttarkhand, INDIA
Phone:+91-1332-285424(off)
+91-1332-285482(res)
Fax: +91-1332-285424
Mobile: +91-9897699221
Email: ghoshfbs@iitr.ernet.in; sanjoy@alumni.iitm.ac.in

PUBLICATIONS:

- Shravya Mathsyaraja, **Lavudi Saida**, Vutukuri Prathap Reddy, ***In-silico Analysis for Prediction of Mutational Position and Designing of sgRNA for HDT701 Gene in Indian Rice cv. RPBio-226***, Agricultural Science Digest, Online ISSN: 0976-0547; Print ISSN: 0253-150X
- **Saida Lavudi**, Shravya Mathsyaraja, Reddy Vutukuri Prathap, **Standardization of efficient regeneration protocol and**

agrobacterium mediated genetic transformation in RPBio-226 variety of rice (*Oryza sativa*), Crop Research Vol 57, 1&2, 2022.

- **L Saida, C Tulasi, ML Narasu, Evaluation of chemo-preventive efficacy of *Ficus religiosa* latex extract by flow cytometry analysis and gene expression studies performed by RT-PCR in various cell lines**, Future Journal of Pharmaceutical Sciences 7 (1), 2021, 1-21.
- **SB Bastipati, C Kalyani, CDSLNL Tulasi, L Saida. Anticancer Activity of *Elytraria acaulis* L. Extracts on Triple Negative Breast Cancer Cell Line**, International Journal of Pharmaceutical Investigation 11 (4), 2021, 354-357.
- **S Jukuri, S Bastipati, B Dheravath, S Lavudi, Biochemical process evaluation of an anaerobic digester: a case study on long sustain commercial biogas plant**, Biomass Conversion and Biorefinery, 1-10, 2021.
- **Lavudi Saida and Chepuri Kalyani, Cyto-protective effect of kaempferol against H₂O₂ induced human blood mononuclear cells**, Research Journal of Biotechnology, Vol. 16 (1) January (2021).
- **C Kalyani, CDSLNL Tulasi, SM Sudarshan, A Geetha, ML Narasu, L Saida, Screening of Antimicrobial and Antioxidant Activity of Acetone Extracts of *Heritiera fomes* Whole Plant against Pathogens**, International Journal of Pharmaceutical Investigation, 10 (4), 2020, 564-568.
- **Saida Naik L and Venkateswar Reddy K, Influence of Paper Industry Effluents on Soil Cellulase and Amylase Activities**, Asain Journal of Microbiol. Biotech. Env. Sci. Vol. 21, 4, 2019.
- **C Tulasi, ML Narasu, L Saida, Cell Viability Assay Of *Ficus Benghalensis* Latex Solvent Extracts On Different Cell Lines**, Asain Journal of Pharmaceutical and Clinical Research Vol 11, 10, 2018.
- **A Musini, LN Mangamoori, L Saida, Production of L-Arginine from arginine analogue resistant mutants of *Corynebacterium glutamicum***, Int. J. Sci. Res. in Biological Sciences Vol 5, 5, 2018.

- C Tulasi, ML Narasu, **L Saida**, **Cytotoxic effect of Ficus religiosa and Ficus benghalensis latex extracts on MCF-7 cell line**, Int. J. Sci. Res. in Biological Sciences Vol 5, 6, 2018.
- **S Lavudi**, HS Oberoi, LN Mangamoori, **Ethanol production from sweet sorghum bagasse through process optimization using response surface methodology**, 3 Biotech 7 (4), 2017, 1-15.
- **L SAIDA**, KVSRI KRISHNA, **KINETIC STUDIES OF ALKALI PRETREATED SWEET SORGHUM BAGASSE USING CELLULASE**, Microbial Biotechnology: Technological Challenges and Developmental Trends, 249, 2017.
- K.Visala, **Lavudi Saida**, Y.Geetharam, **“Process Performance Qulification (Stage-2) of Alendronate Sodium and Cholecalciferol Tablets 70mg/5600IU”** International Journal of Innovative Pharmaceutical Sciences and Reaearch, Vol 3(8), 2015, 1159-1169.
- Anusha B , Harshini T , **Saida Naik L** and Venkateswar Reddy K, **“Impact of Cotton Ginning Mill Effluents on Physico-Chemical & Biological Properties of Soil”** International Journal of Advanced Biotechnology and Research(IJBR), Vol5, Issue4, 2014, p680-684.
- P. Gouthami, M. Sahana, **L. Saida Naik**, K. Venkateswar Reddy, **“Effect of Paper Industry Effluents on Soil Protease and Urease Activity”**, International Journal of Innovative Research in Science, Engineering and Technology, Vol. 3, Issue 10, October 2014.
- Harshini T, Anusha B, **Saida Naik L** and Venkateswar Reddy K, **“Influence Of Paper And Pulp Industry Effluents On Physico-Chemical & Biological Properties Of Soil”** International Journal of Bioassays, ISSN: 2278-778X
- Korra Ashwani, **Lavudi Saida** and K.Venkateswar Reddy, **“Isolation, Screening and Characterization of Cellulolytic bacteria from forest soil sample”** Int.J.Curr.Microbiol.App.Sci (2014) 3(10) 679-685.
- Pattlola Aishwarya, **Lavudi Saida**, K.Venkateswar Reddy and P.Ranjit, **“Impact of Brewery industry Effluents on soil enzyme activities”**Int.J.Curr.Microbiol.App.Sci (2014) 3(10) 686-692.

- Sahana M, Gouthami P, **Saida Naik L**, Venkateswar Reddy K and P Ranjit, “**Influence Of Cotton Ginning Mill Effluents On Soil Protease And Urease Activity**”, International Journal of Bioassays ISSN: 2278-778X.
- **Lavudi Saida**, Sandeep singh Dhaliwal, H.S.Oberoi and M. Laxmi Narasu, **Optimization of Alkali Pretreatment Process Parameters for Sweet Sorghum Bagasse by Enzyme Hydrolysis Using Response Surface Methodology, August-October, 2012**, Vol. 2, No. 4, 1849-1861, e- ISSN: 2249 –1929 **Journal of Chemical, Biological and Physical Sciences, An International Peer Review E-3 Journal of Sciences Section B: Biological Science.**
- **Lavudi Saida**,M.Lakshmi Narasu, Satya Parameshwar Konda, Sandeep Singh Dhaliwal and H.S.Oberoi, “**Effect of optimization of Alkali concentration on substrate sweet sorghum Baggasse by Response Surface Methodology during Pretreatment studies for the Enzyme Hydrolysis and Estimation of Sugars by HPLC**”, Chaitanya Bharathi Institute of Technology, Neozion Redefining Evolution **Feb 28th - 29th 2012** Souvenir by Department of Biotechnology.
- **Lavudi Saida**,M. LakshmiNarasu, Sandeep singh Dhaliwal, Satya ParameshwarKondand H.S. Oberoi “**Use of Response Surface Methodology for Optimization of Parameters to Enhance the Production of Cellulolytic Enzymes from Sweet Sorghum Bagasse byAspergillus nigerCultures**” National Conference conducted by VIPER, Hyderabad (2012).
- **Lavudi Saida**,Harinder Singh Oberoi, **Ethanol Production from Banana Peels using Statistically Optimized Simultaneous Saccharification and fermentation process, AP Science Congress and Annual Convention of Andhra Pradesh Akademi of Sciences under the aegis of the JNTUniversity, Hyderabad and Andhra Pradesh Akademi of sciences Focal Theme Science, Technology, Education for Prosperity** (STEP) 18-20 Nov, 2010.

- Oberoi HS, Vadlani PV, Mad RL, **Lavudi Saida** and Abeykoon JP (2009) Ethanol **production from orange peels: two stage hydrolysis and fermentation studies using optimized parameters through experimental design**. Journal of Agricultural and food Chemistry DOI:10.1021/jt903163t.

CONFERENCE PUBLICATIONS:

- **L. Saida**, M. Lakshmi Narasu, M. Anjaneyulu, “**Development of novel arginine analogue resistant mutant for production of L-Arginine from Corynebacterium glutamicum**”, ICONSEA-2018
- Y. Aparna, **L. Saida Naik**, Mohammed Ahmed and K. Venkateshwar Reddy, “**Effect of Dairy Industry Effluents on Soil Enzyme Activities**”, 3rd International Conference on Environmental Management (ICEM 2017)