

ANJANEYULU MUSINI



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Career Objective: To be associated with the organization that gives me the scope to update my knowledge and be a part of the organization where I could gain satisfaction and put out all my skills for the growth of both the organization and myself.

Educational Qualifications:

PhD (Biotechnology) in the year 2016 at Centre for Biotechnology, IST, JNTUH, Kukatpally Hyderabad, India.

M.Tech (Biotechnology) for the academic year 2007-09 October with 70.6% at Centre for Biotechnology, Institute of Science and Technology, JNTUH, Kukatpally, Hyderabad.

M. Sc (Genetics) with 62.2% from Osmania University in the year 2006.

B. Sc (Botany, Zoology, Chemistry) with 61.8 % from Osmania University during the period of 1999-2002.

EXPERIENCE:

Present working as a **Lecturer** from OCT 2015 to till date at CBT, IST, JNTUH Hyderabad India.

Doctoral Thesis: ***Studies on antioxidant, anticancer and antibacterial activities of salacia oblonga wall and isolation of potential bioactive compounds***".

Worked as a **Senior research fellow** from 2010 April to 2012 April at centre for Biotechnology, Institute of science and technology, Jawaharlal Nehru Technological University, Hyderabad, India and Celestial Bio labs Hyderabad, India.

Title of project: ***"Scale up studies and process development for the production of L-Arginine by fermentation"***.

M Tech Research project:

Completed M Tech one year project at Dept of Biochemistry (Dr. Sathees C Raghavan's lab) **Indian institute of science**, Bangalore, India.

Title of Thesis:" Evaluation of plant extracts and a synthetic derivative for Cytotoxicity and Mechanism in Cancer Cells and Animal Model".

PUBLICATIONS:

- Somasagara RR, Hegde M, Chiruvella KK, **Musini A**, Choudhary B, Raghvan SC. Extracts of Strawberry Fruits Induce Intrinsic Pathway of Apoptosis in Breast Cancer Cells and Inhibits Tumor Progression in Mice. **PLoS ONE** 7(10):**2012**
- **Anjaneyulu Musini**, M. Jayaram Prakash Rao and Archana Giri Phytochemical investigations and antibacterial activity of *Salacia oblonga* Wall ethanolic extract. **Annals of Phytomedicine** 2(1): 1-6, **2013**
- **Anjaneyulu Musini**, Jayaram prakash Rao, Archana Giri Isolation of potential antimicrobial compounds from *Salacia oblonga* Wall and their synergistic effect on human pathogens. **Journal of Microbiology, Biotechnology and Food science** 5(1):**2015**.
- **Anjaneyulu Musini** and Archana Giri *Salacia oblonga* Wall An endangered plant of immenses pharmaceutical value. **Journal of chemical and pharmaceutical research.** 7(5):1125-1129, **2015**.
- **Anjaneyulu Musini**, Jayaram prakash Rao and Archana Giri Free radical scavenging and antiproliferative activity by the phytochemicals of *Salacia oblonga* Wall. **Journal of physiology and molecular biology of plants.** 21(4), **2015**.
- **Anjaneyulu Musini**, Suryakala Gandhi and Archana Giri HPLC Polyphenolics profile and H₂O₂ induced cytoprotective effect of *Salacia oblonga* extracts on human lymphocytes. **Advances in biological chemistry.** 6:19-27, **2016**.
- **Anjaneyulu Musini** and Archana Giri Investigation of Mode of Action of Anti Bacterial Activity of *Salacia Oblonga* Extracts against Drug Resistant Pathogen. **Brazilian Archives of Biology and Technology**, BAPT 2018-51(Under Review).
- **Anjaneyulu Musini** Lakshmi Narasu Mangamoori and Lavuda Saida Production of L-Arginine from arginine analogue resistant mutants of *Corny bacterium glutamicum* (Under Review).
- **Anjaneyulu Musini** and Archan giri Cytotoxicity of *Salacia oblonga* extracts against cancer and normal cells and isolation of bioactive compounds (Manuscript under preparation).

TEACHING EXPERIENCE:

Worked as a guest faculty during the year 2014- 2015 at CBT, IST, JNTUH Kukatpally, Hyderabad, India.

TECHNICAL SKILLS:

- **Fermentation Technology:** Handling of 10 L Bioreactor (Scigenics and Sartories Biostat B), Response Surface Methodology (CCD Design) for media optimization

- **Animal cell technology:** Trypan blue assay, MTT assay LDH assay and FACS cell cycle and Apoptosis analysis. Animal handling maintenance of cell lines in vitro and ehrlich ascites carcinoma in vivo.
- **Molecular Biology:** DNA isolation from plants and animals, Plasmid isolation from bacteria, Electrophoretic techniques, Blotting (southern and western), PCR.
- **Biochemical And Microbiological:** Chromatography (Thin layer, Column, Paper, HPLC & FPLC), Separation of Proteins by SDS-PAGE, Protein estimation Bradford assay, Estimation of Arginine by sakaguchi test and glucose by DNS method, Culture of microorganisms, Classical mutagenesis, Determination of minimum inhibitory concentration, and Replica plating. Comet assay.
- **Plant Biotechnology:** Media Preparation, Micro Propagation, Callus Induction in Rice, Production of Synthetic Seeds, Hairy Root Induction in Potato, Agro Bacterium Mediated Gene Transfer.

RESEARCH SUPERVISION EXPERIENCE:

- Guided 1 M Tech (Biotechnology) and 5 M Sc (Biotechnology & Microbiology) students along with Dr. Archan giri and Dr. A Uma.

CONFERENCES & WORKSHOP:

- Participated in workshop on "**Emerging trends in patents and IPR & future implications**" organized by centre for Biotechnology Institute of science and technology JNTUH held on 24th April 2018.
- Participated in a short term course on "**Genetic Engineering- Principles and Applications**" under the QIP of AICTE New Delhi conducted during 24-28 April 2017 at **Indian Institute of Science (IISc)**.
- Presented paper in international conference ICBT-2017 (23-25 March), on "**Evaluation of anticancer potential of β amyriin isolated and characterized from *Salacia oblonga* Wall root extract**" organized by CBT, IST, JNTUH, India.
- Presented paper in national conference on recent trends in science and technology, 25-26 Feb 2015, organized by JNTUH college of Engineering, Karimnagar India.
- Presented poster in national symposium "**SIPRA innovative Pharma research awards-2015**" organized by Sipra labs limited Hyderabad India, held on July 2015.
- Participated two days **Indo-Canada Work shop** from Jan 27-28, 2011, on "Exploitation of Agro Industrial Biomass for Integrated Biofuels and Novel Products through

Sustainable Production System”, held at **Indian Institute of Chemical Technology**, Hyderabad, India.

- Participated in the **Andhra Pradesh Science Congress** and annual convention of APAS 18-20, Nov, 2010, organized by JNTUH & Andhra Pradesh Academy of Science, Hyderabad, India.
- Participated in International Symposium on “**Emerging Challenges and Approaches in Cancer Biology**” Feb 21-24, 2009, organized by IACR, at Indian Institute of Science, Bangalore.
- Participated two Weeks Work shop from April 15th -26 2008, on “**Plant Cell Culture and Animal Cell Culture**” Conducted by centre for Biotechnology, Institute of Science and Technology, JNTU, Hyderabad.
- Participated in International Symposium on **Frontiers in Genetics & Biotechnology** held on January 8th 2006, organized by Dept of Genetics Osmania University, Hyderabad.
- Participated in National Symposia on **DNA fifty years** held on Mar 28, 2004 at Department of Genetics. Osmania University, Hyderabad.

ACHIVEMENTS:

- Qualified state level eligibility test (SET) in the year 2018
- Canadian common wealth fellowship in the year 2012.
- DSIT-TIFAC senior research fellow in the year 2010.
- Qualified in all India level **GATE** 2007.
- Awarded merit scholarship from Osmania University in the year 2006.
- Got **381** state rank (**Biological Science**) in Bachelor of Education common entrance test in the year 2003.

Extra Curricular Activities:

- Participated as volunteer in the Andhra Pradesh Science Congress and annual convention of APAS 18-20, Nov, 2010 organized by JNTUH and Andrapradesh academy of science in the year 2010.
- Participated as volunteer in International Symposium on emerging challenges and approaches in cancer Biology in the year 2009 organized by IISc, Bangalore.
- Participated as volunteer in International Symposium on Frontiers of Genetics and Biotechnology in the year 2006 Organized by Osmania University Hyderabad.

REFERENCE:

Dr. Archana giri *PhD.*

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IST, Jawaharlal Nehru Technological University Hyderabad,
Kukatpally, TS, India -85
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Dr. M. Laxmi Narasu *PhD. (IISc)*

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Dr. Sathees C Raghvan *PhD.*

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Declaration: I hereby declare that the information furnished above is true to the best of my knowledge.

Place: Hyderabad
Date: 1/06/2018

ANJANEYULU MUSINI