

TRIVENI GUDLA

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**Profile Summary**

I am an Assistant Professor of Biochemistry and am actively engaged in teaching and research in biochemistry and molecular biology. I hold an M.Sc. in Biochemistry from Andhra University and have qualified CSIR-UGC JRF, ICMR-JRF, and GATE (Life Sciences).

Work Experience:

- Currently Working as Assistant professor in Malla Reddy University from September 2022 till date.
- Worked as Lecturer and promoted as Assistant professor in Biochemistry in the Department of Biochemistry, Dr. Lankapalli Bullayya P.G College affiliated to Andhra University, Visakhapatnam from June-2006 to February-2008.
- Worked as a Junior & Senior Research fellow in the Department of Plant sciences, University of Hyderabad, Telangana from February-2008 to October 2014.

Academic Qualifications:

- Master of Science in Biochemistry with aggregate of 69.4% from Andhra University, Visakhapatnam, 2006.
- Bachelor of Science in Biochemistry, Botany and Chemistry with aggregate of 83.7% from Dr L.B College affiliated to Andhra University, Visakhapatnam, 2004.
- Currently Pursuing PhD in Clinical Biochemistry, Malla Reddy University, Hyderabad.

Achievements:

- Qualified Joint CSIR-UGC JRF-NET/Eligibility for Lectureship Examination
- Qualified ICMR JRF Examination
- Secured All India Rank 908 in Life Sciences, GATE
- Received gold medal during Bachelors.

Technical Skills:

- Plant tissue culture, Genetic transformation,
- Molecular cloning, DNA/RNA Extraction and Purification
- PCR, Gel electrophoresis and documentation
- Protein expression, SDS-PAGE, Western blotting.
- Real time PCR, Southern blotting

Conferences/ Seminars/ Workshops attended:

- Poster presentation in 82nd Annual Meeting of The Society of Biological chemists and International Conference on Genomes: Mechanism and Function conducted at SLS, UOH, Hyderabad
- Undergone Practical training course on Transgenic Sorghum Technology with special reference to *Bt* genes organized by NRCS, Hyderabad.
- Participated in Workshop on “Emerging Experimental techniques in molecular biology” organized by Gandhi institute of Technology & Management.
- Participated in National seminar on Recent Developments in Biochemistry.
- Participated in VI National Conference of Indian academy of Allergy.
- Participated in Seminar on Chickungunya epidemic.
- Participated in National seminar on Present Scenario in Biochemical education.

Publications

- Attenuation of hydrogen peroxide-mediated oxidative stress by *Brassica juncea* annexin-3 counteracts thiol-specific antioxidant (TSA1) deficiency in *Saccharomyces cerevisiae*. *FEBS Letters* 2014, 588 (4), 584-593.
- Alleviation of methyl viologen-mediated oxidative stress by *Brassica juncea* annexin-3 in transgenic *Arabidopsis*, *Plant Science*, 10.1016/j.plantsci.2013.12.016, 219-220, (9-18), (2014).
- Phytochemical Screening and Study of Antioxidant, Antibacterial, Antifungal activities for the ethanolic leaf extract of *Tinospora Cordifolia*. *African Journal of Biological Sciences*. 6(13), 2694-2707. ISSN: 2663-2187.
<https://doi.org/10.48047/AFJBS.6.13.2024.2694-2707>
- Purification and Characterization of a Potent Trypsin Inhibitor (CGTI) From *Cleome gynandra* L. Seeds. *African Journal of Biological Sciences* 6(13), 5726-5744. Aug, 2024. ISSN: 2663-2187.
<https://doi.org/10.48047/AFJBS.6.13.2024.5726-5744>.
- Proteomics Analysis of MSH2 Protein and Molecular Docking Approach for Colorectal Cancer Targeted therapy. *Frontiers in Health Informatics*, 13 (3),8031-8041. ISSN No: 2676-7104. <https://healthinformaticsjournal.com/index.php/IJMI/article/view/763/722> Sep, 2024.
- Estimation of oxidative stress in type 2 diabetes mellitus patients in correlation with HbA1C. *Indian Journal of applied and pure biology*, Vol 40 (1), 321-328 (2025) ISSN:0970-2091. Jan 2025.