

**Professor | Dept. of Medical Biotechnology**

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**Research Interest**

Bioinformatics, Computer aided Drug designing  
Diabetes, Oral insulin mimetics,  
Herbal Extracts

Passionate educator and researcher with 30 years of experience in academics and research. Adept at bridging the gap between advanced research and undergraduate instruction. Expert in academic quality assurance, having served as a **NAAC and NBA Coordinator** to successfully lead departments through rigorous accreditation cycles. Recognized as Bioinformatics **Expert and Resource Person**. Frequently invited as a **Speaker** and guest lecturer at national Conferences and Workshops. Beyond my passion for teaching, I offer a strategic commitment to institutional growth to elevate institution's reputation in the national academic landscape.

**Education** (Advanced Diploma in Bioinformatics; UGC NET)

2005 Ph.D. in Animal Sciences (Endocrinology and Reproductive Physiology) from Osmania University, Hyderabad, India  
Thesis: Fertility and antifertility effects of *Strychnos nuxvomica* on Reproductive Physiology of *Rattus norvegicus albinus* (female albino rats) (Indexed in Indian Science Abstracts, *(NISCAIR)*),

1991-1993 M.Sc. in Zoology (Distinction) from Osmania University, Hyderabad  
1988-1991 B.Sc. Osmania University, Hyderabad, India

**Experience : 30+** Years 15 years at Sreenidhi Institute of Science and Technology**Ratified PROFESSOR (by Selection Committee, JNTUH, January, 2016)**

**Ratified Associate Professor** by Selection committee, JNTUH, February, 2009

Worked at Department of Biotechnology, Sreenidhi Institute of Science and Technology from October 2006 till May 2020

Associate Professor and Head at Rai University, Balanagar, HYD -November 2004 -September 2006

Lecturer at RBVRR Womens college, Narayanguda, HYD – 1997-2004

Lecturer at Bhavan's New Science college, Narayanguda, Hyderabad -1993-1997

**Publications (Original Research articles 35, Citations: 300, h-index: 9, i-10 index: 8, Corresponding author: 25)**

1. Asma Begum, Jayasree Ganugapati, Sunila Kumari, In Vivo Assessment of Toxic Effects of Lead Nitrate on *Danio rerio* (Zebrafish), *Acta Biology Forum*. 4(1):16-21 April 2025 DOI : <https://doi.org/10.51470/ABF.2025.4.1.16>
2. J. Usha Rani, B. Siva Prasad, S.S. Vutukuru, G. Jayasree And Chand Pasha (2019) In silico designing of antityrosinase peptides, *Asian Jr. of Microbiol. Biotech. Env. Sc.*, Vol. 21, No. (2) : 175-180 (**Scopus**)
3. Donthi S, Ganugapati J, Valluri V, Macha R, Sivasai KS. (2018) Molecular docking studies of ephedrine, eugenol, and their derivatives as arginase inhibitors: Implications in asthma. *Int J Pharma Investig* 2018;8:130-7 (**Web of Science**)
4. Rajasri Yadavalli, Jayasree Ganugapati (2018); Phytochemical Screening and In silico studies of Flavonoids from *Chlorella pyrenoidosa*, *Informatics in Medicine Unlocked*; Volume, Vol 10; pp 89-99; (Elsevier) (**Scopus**)
5. Ramesh Macha, K. Ravindrachary, G. P. L. Jayasree and Parthasarathy Tigulla (2018); Spectrophotometric Antioxidant Bioassay And Molecular Modeling Studies Of Ethyl 4-Substituted-1, 4, 5, 6, 7, 8-Hexahydro-2, 7, 7-Trimethyl-5-Oxoquinoline-3-Carboxylate Derivatives, *IJPSR*; Volume 9 – Issue 1; Pages 67-79; (**Web of Science**)
6. Jayasree Ganugapati, S Akash (2017) Multi-template homology based structure prediction and molecular docking studies of protein 'L' of Zaire ebolavirus (EBOV); *Informatics in Medicine Unlocked*; Volume 9, 68–75; (**Elsevier**) (**Scopus**)
7. S.S.Vutukuru, Jayasree Ganugapati, Vardhini Ganesh, P. Atheeksha, Ravindra Babu Potti (2016), Endocrine disruption by BisphenolA, polychlorinated biphenyls and polybrominated diphenylether, in Zebrafish (*Danio rerio*) model: an in silico approach *Fish Physiol Biochem*; May 2016; pp 1-15; DOI 10.1007/s10695-016-0239-x (**Scopus and Web of Science**)
8. Rupa Lavarti, Jayasree Ganugapati, Shirisha Ratcha and Krovvidi S R Siva Sai, (2016) Insights from the predicted structure of a Rv0679c protein peptide from *Mycobacterium tuberculosis* and its Interactions with the host Toll like Receptors; *Bioinformatics* 12(5) 293-299 (**PubMed**) **Web of Science**
9. Ravindra Babu Potti, Jayasree Ganugapati, M Aishwarya, M Dharani (2015), In silico siRNA design for SNPs in HER family receptors: A potential cure for cancer, *Journal of Young pharmacists*, Volume 7, Issue 4, (**SCOPUS-Web of Science**)

Reviewer in peer reviewed journals: 9  
Thesis supervision (BTech, M.Tech): 100+  
Conference/Symposium/Meeting: 33

External Examiner for Pre PhD and University exams: 10  
Guiding 1 PhD student registered under JNTUH.  
Workshop/Training/: 10

**Awards -Best Teacher Award (2006, 2010, 2012, 2016, and 2018) Best Researcher award 2016 and 2018**