

Nagalakshmi Nidadavolu,
M.Sc.,

Email: nagalakshmi.nidadavolu@alumni.anu.edu.au

Mobile: +919182486122

Academic History:

2017 **M.S., (Cert)** Biological Sciences, The Australian National University, Australia

2016 **M.Sc., (Zoology)**, Osmania University, India

2013 **B.Sc., (Biotechnology)**, Gulbarga University, India

Work Experience:

2021- Present

Junior lecturer, Stargate College, Hyderabad

Teach Environmental Sciences, evaluate students' progress and performance, provide academic counseling and monitor extracurricular activities

2017 - 2021

Scientific scholar, Maternal Health and Research Trust, Hyderabad

Research focussed on tumor-specific mitochondrial mutations in Endometriosis for the Council of Scientific and Industrial Research (CSIR)

2016 - 2017

Summer intern, John Curtin School of Medical Research, Canberra

CRISPR/Cas9 mediated genome editing in parasitic and infectious diseases to investigate host response

2013 - 2014

Biology tutor, Lalitha Academy, Hyderabad

Plan and instruct biology lessons to high school students, supervising tests and assignments, evaluating their academic performance

Technical Skills:

- CRISPR/Cas9 mediated genome editing, plasmid and genomic DNA extraction
- Molecular Cloning: PCR techniques, Blotting techniques, Gel electrophoresis
- Mammalian cell culturing, Cell based assays: Tunel assay, Cell viability assay, Tissue culturing & Microscopy
- Basics of R program: Modeling and plotting, data frames, visualization, analysis and interpretation of data

Project Works:

- Study of life cycle of Silkworm - Developmental differentiation of silkworm larvae (Mentor - Prof. Redya Nayak)
- Nesting behavior in birds - Observation of rare aquatic birds and studying their nesting behavior (Mentor - Prof. Shanu Kumar)
- Faunal biodiversity - Visiting to a local Reserve forest and studying fauna and floral components (Mentor- Prof. B. Chand Pasha)
- Mapping of species with Zoological Interest (Mentor - Prof. Malkanna)

Academic Achievements:

- Dr. M.D. Kalolgi Gold medal for securing highest marks in university of biotechnology department, Gulbarga University, India
- Dr. Smt Manonmani Rudraiah gold medal for securing highest aggregate in Biotechnology department, Gulbarga University, India
- Gold medal for scoring highest aggregate at college level, LVD College, India.
- University second rank for securing highest aggregate in Gulbarga University
- Post-graduate merit scholarship from University Grants Commission during masters

Extracurricular activities:

- ANU+ award for volunteering with communities like ACT Conservation, Food co-op, Red Cross, ANU plus for over 120+ hours
- Won Throwball competition in the intramural competitions, LVD College
- Organized several blood donation camps in college and university level
- Diploma certification in Academic research, publications & medical writing from Udemy
- Participated in national conferences and inter university level science exhibitions at ANU

Publication:

- Humaira M., Rozati R., Nidadavolu N., Avvari- Bhaskara, B., Ayyapathi ,M.G., 2020. Management of Endometriosis: An enigmatic disease. Int J Pharm 2020, 10(5), 1-9