

## PROFILE

**Name:** Dr. Swapna Gandham

**Educational Qualifications:** MSc, PhD

**Designation:** Assistant Professor

**Department:** Biotechnology

**Date of joining Maris Stella:** 02.06.2025



### I Academics

Degree	Institution/University	Year
PhD in Biotechnology	Acharya Nagarjuna University	2019
MSc in Biotechnology	Acharya Nagarjuna University	2005
BSc in Microbiology	JMJ College For Women, Tenali	2003

### II Professional Experience

Position Held	Institution	Year
Guest faculty in Biotechnology	Govt Womens College, Begumpet, Hyderabad	2006-2009
Sr Lecturer in Botany	MS College, Mehdipatna, Hyderabad	2017-2018
Lecturer in Biotechnology	Avanthi Degree college, Naryanagyda, Hyderabad	2019-2021
Guest Faculty in Marine Biology	Vikrama Simhapuri Universit, Nellore	2023-2025

### III Workshops / FDPs / Training Programs Attended – 10

1. Participated in **International level online workshop** on Systematic Literature Review for PhD Research, Scholarly writing and Publishing organised by the Institute of Scholarly Research and Training, Chennai on 3rd May 2025.
2. Participated in national level online **workshop** on Intellectual Property Rights: Fundamentals and Patenting Processes- an Overview organised by the Institute of Scholarly Research and Training, Chennai on 26th April 2025.
3. Participated in Interdisciplinary Six-Day **FDP** on Technologies in Development of Skills in Higher Education from 21.11.2022 to 26.11.2022 jointly organized by the Department of English and Zoology, MJM College for Women (Autonomous), Tenali.

4. Participated in the 2 Days National Level **Workshop** on 'IPR. Patents and Copyrights' organised by Central University of Haryana and Skill Slate on 5th and 6th March 2022.
5. Participated in 5 Days online **Workshop** on 'Insilco Drug Development' organised by the Department of Biotechnology, Loyola Academy from 27 -31 May 2021.
6. Participated in a five-day online **FDP** on 'Emerging Trends in Biotechnological advancements: Challenges and Prospects in tackling Human Diseases', organised by the Dept. of Biotechnology and Teaching Learning Centre, NIT Warangal from 13th to 17th July 2020.
7. Participated in 2day **workshop** on 'Recent Advances in Structure based Drug Design' held on 27,28th February 2013, Organised by the Department of Biotechnology and Schrodinger LLC, USA
8. Participated in National workshop on 'SAA and its applications in Biotechnology and Pharmacy', organised by the Department of Biotechnology and Configer Bio-Pharma services during 21-23 January 2010.
9. Participated in a practical training programme on 'Plant Tissue Culture'. conducted by Sri Aurobindo Institute of Rural Development, AP -Netherlands Biotechnology Programme from 11-13 January 2005.
10. Participated in one week Training course on Animal Tissue Culture Stem Cells and their Applications from 7-12 December 2004.

#### **IV Research Contribution**

(i) Research areas: Phytochemistry, Microbiology.

(ii) Research Papers Published: 7

1. G.Swapna, D.Srinivasa Rao, V.Leelavathi, K.Vijaya Sudhakar, 'Anthelmintic and Quantitative Analysis of Phytocompounds from Methanolic Extract of an Endangered Medicinal Plant *Decalepis hamiltonii*', International Journal of Research in Engineering and Applied Sciences, ISSN 2249-3095, Vol. 5, Issue 4, Pages : 31-42.
2. G.Swapna, D.Srinivasa Rao, V. Leelavathi, 'Evaluation of Antioxidant and Cytotoxic Activity of *Decalepis hamiltonii* on Hep G2 Cancer Cell Lines', International Journal of Science and Research 2015, ISSN 2319-7064, Vol. 3, Issue 6, pages 902-906.
3. G.Swapna and D.Srinivasa Rao, 'Phytochemical Analysis of Endangered Medicinal Plant *Decalepis hamiltonii*', International Journal of Research in Pharmaceutical and Biomedical Sciences 2013, ISSN 2229-3701, Vol. 4, Issue 1, pages 63-66.

4. B. Chinna Narasaiah, V.Leelavathi, Anil Kumar.Manne, G.Swapna, Moparthy John Paul. P.Mariyadasu, 'Screening of Streptomyces Albus CN-4 For Enzyme Production and Optimization of L-Asparaginase', International Journal of Scientific and Research Publications 2013, ISSN 2250-3153, Vol. 5, Issue 3, Pages 1-8.
5. G.Sudhakar, P.Mariyadasu, V.Leelavathi, G.Swapna, B.Chinna Narasaiah, 'Impact of agrimin and fishmin on the aspects of body length - weight (growth), gonadal somatic index of the fish species Hypophthalmichthys molitrix, Cyprinus carpio and Ctenopharyngodon idella' ,International Journal of Advanced Research in Biological Sciences 2015, ISSN 2348-8069, Vol. 2, Issue 3, pages 278–287.
6. B.Chinna Narasaiah,V.Leelavathi, G.Sudhakar, P.Mariyadasu, G.Swapna, Anil Kumar. Manne, 'Isolation and Structural Confirmation of Bioactive Compounds Produced by the Strain Streptomyces Albus CN-4, IOSR Journal of Pharmacy and Biological Sciences (IOSR-JPBS) 2015, ISSN 2278-3008, Vol.9, Issue 6, Pages 49-54.
7. P.Udaya Sri,V.Leelavathi, D.L.Manjusha B.Anusha and G.Swapna (2016), 'A Comprehensive Review on Hepatoprotective Activity of the Selected Medicinal Plants', International Journal of Research in Engineering and Applied Sciences 2016, ISSN 2322-0821, Vol. 6, Issue 7, Pages 17-23.

(iii) **Research Papers Presented: 12**

1. Participated and presented a paper on "Alternative models to Human diseases: A review "National Seminar organised by Yogi Vemana University, Kadapa. 6-7th February 2024.
2. Participated and presented a paper on "Emerging trends in Synthesis of Nanoparticles in Agri Biotechnology Research and Commercialization organized by ICAR, NAARM, Loyola Academy Degree and PG College and Pratishtha Industries Ltd,25-27 February 2016.
3. Participated and presented a paper on "Evaluation of Antioxidant and Cytotoxic Activity of Decalepis hamiltonii on Hep G2 Cancer Cell Lines". UGC-SAP-DRS sponsored International Conference on "Advances in Plant and Microbial Research, organized by the Department of Botany and Microbiology, Acharya Nagarjuna University, Guntur. 6-8 January 2016.
4. Participated and presented a paper on 'Anthelmintic and Qualitative Analysis of Phytocompounds from Methanolic Extract of an Endangered Medicinal Plant Decalepis hamiltonii', in International Conference on "Recent Advances in Biosciences and Applications of Engineering in Production of Biopharmaceuticals and 9th Annual Convention of Association of Biotechnology and Pharmacy". Organised by KL University on December 14-16 2015.
5. Participated and presented a paper on 'Root Extract for Antimicrobial Activity',7th Annual Convention and International Conference on "Plant Biotechnology, Molecular

- Medicine and Human Health". Organised by Department of Genetics, University of Delhi held at University of Delhi, South Campus, New Delhi on October 18-20,2013.
6. Participated and presented a paper on 'Antihepatocellular carcinoma activity of root extract of *Decalepis hamiltonii*', International Symposium on Innovations in Free Radical Research and Experimental Therapeutics (IFRRET-2011), Organized by Karunya University held at Coimbatore, December 7-9, 2011.
  7. Participated and presented a paper on Overview on new challenges in Biotechnology, National Conference on "New Frontiers in Biotechnology- Prospects and Challenges" Organised by Department of Genetics and Biotechnology held at University college for Women, Koti, Hyderabad.
  8. Participated and presented a paper on Review on Phytochemical Analysis of Endangered Medicinal Plant *Decalepis hamiltonii*, 6th Indian Youth Science Congress held at Acharya Nagarjuna University from 19-21 January 2015.
  9. Participated and presented a paper on 'Conservation of Eastern Ghat Plants, National Conference on "Conservation of Eastern Ghats" held at Sri Venkateswra University, Tirupati on 4th and 5th December 2014.
  10. Participated and presented a paper on Overview on Study of Genomics with Bioinformatics, National Seminar and Workshop on 'Genomics and Proteomics an Informatics Approach', Organized by Department of Biotechnology, Acharya Nagarjuna University on March 24-25,2014.
  11. Participated and presented a paper on Importance of Renewable Energy Sources, National Seminar on 'Renewable Energies, Ecosystems and Sustainable Environmental Management', Organized by Department of Environmental Sciences, Acharya Nagarjuna University on 20-21 February 2014.
  12. Participated and presented a paper on Review on 'Pharmaceutical Drug Regulatory Affairs National Seminar' on "Drug Regulatory Affairs and Quality Assurance" Organised by College of Pharmaceutical Sciences, ANU held at Acharya Nagarjuna University on 8th February 2013.(sponsored by APSCHE).