



BIO DATA OF FACULTIES

NAME : Ms. RANJUSHA V.P

DESIGNATION : ASSISTANT PROFESSOR and HEAD

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EDUCATIONAL QUALIFICATIONS:

	COURSE	INSTITUTION/ UNIVESITY	YEAR OF PASSING
UG	BSC BIOTECHNOLOGY	SREE NARAYANA GURU COLLEGE , COIMBATORE (AFFILIATED TO BHARATHIAR UNIVERSITY)	2011
PG	MSC GENERAL BIOTECHNOLOGY	SAFI INSTITUTE OF ADVANCED STUDIES, VAZHAYOOR (UNIVERSITY OF CALICUT)	2013
PhD Doing	BIOTECHNOLOGY	KARPAGAM ACADEMY OF HIGHER EDUCATION, COIMBATORE (DEEMED TO BE UNIVERSITY)	2021 Onwards

OTHERS	MPHIL GENERAL BIOTECHNOLOGY	KARPAGAM ACADEMY OF HIGHER EDUCATION, COIMBATORE (DEEMED TO BE UNIVERSITY)	2020
	POST GRADUATE DIPLOMA IN COMPUTER APPLICATION	KERALA STATE RUTRONIX	2016
	DIPLOMA IN HUMAN PHYSIOLOGY	BHARATHIAR UNIVERSITY	2009
	DIPLOMA IN HUMAN PATHOLOGY	BHARATHIAR UNIVERSITY	2010
	DIPLOMA IN PHARMACOLOGY	BHARATHIAR UNIVERSITY	2011

TOTAL WORK EXPERIENCE :

- 11 Years UG Biotechnology Teaching
- 5 Years PG Biotechnology Teaching
- 6 Years Research Experience.

ACADEMIC EXPERIENCE: 11 Years UG and PG Teaching Experience @ Gems Arts and Science College – PG Department of General Biotechnology.

INDUSTRY EXPERIENCE: Nil

RESEARCH PROFILE

GUIDANCE EXPERIENCE:

- 75- Students BSc Biotechnology,
- 7 Students From MSc General Biotechnology ,
- Total: 75 Students Project Guidance Experience.

AREA OF INTEREST : Molecular Oncology and Phytochemistry

PUBLICATION LIST :

Patent: Two Product patents Published.

Paper Title:

1. Ranjusha V.P.(2023).Pharmacological potentials of *Dalbergia Sissoo* -A mini review. *International Journal for Research and Innovation (IJRTI)*- 8(3), 2303083.
2. Ranjusha V.P., Ranjithkumar D and Sangilimuthu Alagar Yadav. (2024). A comprehensive review on Pharmacological, Phytochemical and Anticancer Potential of *Tragia* Species, *Research Journal of Biotechnology*, 19(9), 140123.
3. Sangilimuthu Alagar Yadav and Ranjusha V. Ponattil. (2024), Withaferin A: A potential anticancer candidate drug and its challenges for the clinical trial, *Journal of Medicinal Plants for Economic Development*, 8(1), a262.
4. Ranjusha V.P and Sangilimuthu Alagar Yadav.(2025) Biochemical Profiling, Anti-Oxidant and Cytotoxic Potential of *Tragia plukenetii* Leaf Extracts against Breast Cancer Cell Line [MDA-MB-231]. *Journal of Natural Remedies(JNR)*, (Paper accepted)

Proceedings in Conferences:

1. Ranjusha V.P “Antioxidant and anticancer potential of T. Plukenetii leaf extract : a study on breast cancer cell line MDA-MB-231” KAHE 16th Annual Research Congress 2024.
2. Ranjusha V.P” Cytotoxicity analysis from methanolic extract of *Tragia Plukenetii* leaves “- on KAHE 15th Annual Research Congress 2023.

3. Ranjusha V.P “A Review on Anti cancer Activity of *Tragia* Genus” on KAHE 14th Annual Research Congress 2022.
4. Ranjusha V.P *Invitro* Anticancer Evaluation of *Dalbergia Sissoo* against Lung Cancer Cell Line (A549). 12 th KAHE Annual Research Congress 2020.
5. Ranjusha V.P Cytotoxicity activity anthocyanidine compound malvidine from the plant *Dalbergia Sissoo*. 11 th KAHE Annual Research Congress 2019 .

Book Chapters:

1. “Unraveling the secrets of sex determination of nutmeg plants: a comprehensive study on the mechanisms governing the gender identification”-in *Homo Scientia* , published by GEMS Publication Wing.

Initiated and Published Biotechnology Lab Manual , Abzyme Science Journal and Hand Book For Medicinal Garden(05/06/2024) in GEMS Arts and Science Collge Ramapuram.

WORKSHOPS ATTENDED:

1. 2-Day Hands on Workshop on Molecular Docking, @ KINFRA Ramanattukara- 25th &26th September 2025.
2. Workshop on GC-MS and LC-MS @ Karpagam Academy of Higher Education (KAHE)- 9th and 20th – Jan -2020.
3. A workshop on Vermi composting and mushroom cultivation@ IRTC Mundoor-2014
4. Workshop on Drug Designing 22/02/2021 @ GEMS Arts and Science College.
5. Biostatistics workshop 15/1/2022 @ GEMS Arts and Science College
6. Fluorescence microscopy-An insight into micro environments 25/9/2021 @ GEMS Arts and Science College.
7. A Workshop on Bioinformatics by Dr Sahala (SAFI College)- Jan 2020 @ GEMS Arts and Science College.
8. A workshop on Vermi composting and mushroom cultivation@ IRTC Mundoor – 2016.
9. Workshop on Nutmeg Cultivation , Management and Value Addition by National Horticulture Mission and organized by Kerala Agricultural University @ Agricultural Research Station Anakkayam (04/03/2013).

TRAININGS ATTENDED / FDP'S / REFRESHER PROGRAM:

1. Five Day International Online Faculty Development Program on “Sustainable Materials and Advance Research Methodology Techniques (SMART-2025)”-Research Department of Physics Sacred Heart College (Autonomous), Tirupattur, Tamilnadu and Scott Christian College (Autonomous), Nagercoil, Tamilnadu. (18-09-2025 to 23-09-2025).
2. Three Day FDP on Fundamentals ResearchMethodology, Organized by Dept. of Research and Publications – A2Z Edu Learning Hub LLP (08/02/2024 – 10/02/2024).
3. Short Run Course for Professional Development (1 week) By MHRD Teaching Learning Centre under Pundit Madan Mohan Malaviya National Mission on Teachers and Teaching University of Calicut (29/11/2016-05/12/2016).
4. 9 Faculty Development program Attended @ GEMS Arts and Science College, (2014-2023) .
5. Paper Presentation on 11th Annual Research Congress (KAHEARC-2019) – Anti cancer activity of *Dalbergia sissoo*.
6. 10 Days National e-Conference – “ Recent Trends in Life Science” @ GEMS Arts and Science College (14-23rd September 2020)
7. Paper Presentation In 14th Annual Research Congress – Karpagam Academy of Higher Education (KAHE) - 10/12/2022.
8. Faculty Development Program- “Recent innovation Futuristic scopes and challenges in Bioscience Education(RIFSCBE- 2022)”- 23-30 May 2022 @ Karpagam Academy of Higher Education (KAHE).
9. FDP on Transformation of HEI’s Through NAAC Accreditation (28/jan/2023) @ Majlis Arts and Science College , Malappuram.
10. Presented a Topic- Breast Cancer Overview on Friday seminar @ GEMS Arts and Science College- 24/02/2023.
11. Represented GEMS Arts and Science College for MOU signing ceremony @ MES Ponnani College (NAAC Marghadarshan Scheme) .
12. Attended a National Seminar on Recent Trends in Bioinformatics and Biotechnology @ Sree Narayana Guru College, Coimbatore- (8/10/2009 To 9/10/2009).
13. Completed Training on PLANT TISSUE CULTURE @ Sreenarayan Guru College , Coimbatore (2009-2010).

14. Training on Various Applications and procedures used in Medical Microbiology and Medical Biochemistry Laboratories @ MES Medical college perinthalmanna (29/11/2010 To 14/12/2010).
15. Faculty Development Program – Reforms on Higher Education System Focusing NEP 2020- A Capacity building Program- 17/12/2023.
16. Live Traing Webinar on Thesis Writing and Thesis Defense on 16/03/2024. By Research Graduates.

AWARDS AND ACHIEVEMENTS:

- **NAAC Coordinator-** GEMS Arts and Science College 01/Feb/2023 onwards.
- **Best Speaker Award** - Presented a Topic- Breast Cancer Overview on Friday seminar series @ GEMS Arts and Science College- 24/02/2023.
- MSc General Biotechnology 2011 Batch (SAFI Arts and Science college) **First Position.**
- MPhil General Biotechnology (FASH) – 2020 - **First Rank** – Karpagam Academy Of Higher Education (Deemed to be University) , Coimbatore.
- GEMS Arts and Science College- University Examination **Assistant Superintendent** (2015 June- 2016 December)