

NAME : N.JEMIMAH GLADIES MARY.
DESIGNATION : Lecturer.
DEPARTMENT : Medical Laboratory Technology.
DATE OF JOINING : 04.10.2021.
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EDUCATIONAL QUALIFICATION:

DEGREE	COLLEGE NAME	YEAR COMPLETED	PERCENTAGE
M.Sc., Biochemistry	St. Joseph's College (Autonomous), Trichy.	2019	85
B.Sc., Biochemistry	Holy Cross College, (Autonomous), Trichy.	2017	79

ACADEMIC WORK EXPERIENCE:

DESIGNATION	INSTITUTION	YEAR
Lecturer – Internal Expert Medical Lab Technology.	B.Voc and M.Voc Degree Programmes, The American College, Madurai.	From 2021 to till date.

COMPUTER AND TYPING SKILL:

COURSE	INSTITUTION	GRADE	YEAR OF PASSING
Type writing – English	Department of Technical Education- Tamil Nadu	Junior grade – First class	February - 2019

INTERESTS:

- Keen interest in exploring new research areas and techniques in biochemistry and nanotechnology.
- Passionate about teaching and mentoring students and exploring innovative teaching methods to enhance learning outcomes.

SKILLS:

- Proficient in Microsoft Office Suite (Word, Excel, PowerPoint).
- Strong communication and presentation skills, with experience in presenting papers and posters at national and international conferences.

- Ability to work independently and in a team, with experience in leading and coordinating group projects.
- Strong oral and written communication skills, including the ability to convey complex scientific concepts to diverse audiences.
- Ability to work effectively in a team, collaborating with other staff to achieve teaching goals.

SPECIALIZATION IN TEACHING:

- Biochemistry.
- Biotechnology.
- Human physiology.
- Endocrinology.
- Immunology.

RESEARCH INTEREST:

- Nanotechnology
- Cell lines
- Enzyme kinetics and catalysis
- Drug design and development
- Chemical biology and chemical synthesis
- Molecular biology and genetic engineering.

FIELD INTEREST:

Metabolism, Enzymology, Molecular genetics, Bio physics.

DISSERTATION WORK:

B.Sc project	<i>In vitro</i> anticancer activity of <i>gymnema sylvestre</i> against MCF-7 and EAC cell lines.
M.Sc project	Comparative <i>in vitro</i> anticancer activities of <i>punica granatum</i> peel extract and synthesis of AgNPs from peel extract against cervical cancer cell line (HeLa).

PAPER AND POSTER PRESENTATION:

- Presented paper on “***In vitro* anticancer activity of *gymnema sylvestre* against MCF-7 and EAC cell lines**” in International conference on “Networking, research and innovation in higher education for a sustainable society: challenges and channels” held at Holy Cross College, Trichy on 26th July 2018.

- Presented paper on “**A comparative study on the effects of *tectona grandis* and solufer dug in the treatment of anaemia induced by cyclophosphamide in female albino rats**” in International conference on “New vistas in life sciences” held at Holy Cross College, Trichy on 11th September 2018.
- Presented paper on “**Ebola virus disease**” in Molfest, held at Holy Cross College, Trichy on 14th December 2016.
- Presented poster in International seminar on cardiovascular research on 15th February 2016 held at St. Joseph’s College, Trichy.
- Presented poster in National symposium on medicinal and aromatic plants on 15th February 2017 held at St. Joseph’s College, Trichy.

CONFERENCES:

- Participated in International conference on “**Innovative research in life science**” held at Dhanalakshmi Srinivasan Arts and Science College, Perambalur.
- Participated in lecture series on “**Health Sciences**” held at St. Joseph’s College, Trichy.
- Participated in State level seminar on “**New Challenges in the Present Era of Biological Research**” held at Holy Cross College, Trichy.
- Participated in “**National Seminar on Futuristic Prospects of Biological Sciences**” held at Holy Cross College, Trichy.
- Participated in International Seminar on “**Career options and job scenario in life sciences**” held at St. Joseph’s College, Trichy.
- Participated in one day lecture series on “**Translational biotechnology for a better tomorrow**” held at St. Joseph’s College, Trichy.

LABORATORY TECHNIQUES:

Proficiency in a wide range of laboratory techniques such as

- Electrophoresis such as SDS – PAGE, AGE
- PCR
- Chromatography (Paper chromatography, TLC, Column chromatography)
- Spectrophotometry (FTIR and UV- Vis)
- Histopathology and
- Enzyme assays.

INSTRUMENTATION:

Experience with operating and maintaining various laboratory instruments such as

- Auto analyzer,
- Soxhlet apparatus,
- Microtome,
- Colorimeter,
- Centrifuges.

SAFETY AND REGULATORY COMPLIANCE:

- Knowledge of laboratory safety protocols, good laboratory practices, and regulatory requirements such as those set by the Occupational Safety and Health Administration (OSHA).

INTERNSHIP:

- Completed and learnt about clinical lab tests (2016) in Rasi medical lab, Sivagangai.

AWARDS:

- Got “College Management Prizes” (2nd prize) for scoring marks in merit during the year 2017 - 2019 at St. Joseph’s College, Trichy.
- Got “Smart Worker” award in the Department of Biochemistry during the year 2017 – 2019 at St. Joseph’s College, Trichy.
- Got “Nethaji Award” in the Department of Biochemistry during the year 2014 – 2017 at Holy Cross College, Trichy.

ACHIEVEMENTS:

- Got many prizes for scoring marks in merit.
- Got state third and district first prize in English proficiency exam in 2014.
- Participated in many intradepartmental and interdepartmental quiz competition and got top three prizes.
- Got first prizes in essay writing competition during the year 2017 – 2019.
- Participated in intercollege competitions and got second and third prizes in turncoat competition.
- Got second prize in quiz competition conducted by Tamil Nadu Science Forum.