

## CURRICULUM VITAE



**NAME** : **MR. T. ANTONY DIWAKARCHANDRAN**

**Designation** : **Assistant Professor**  
**Department of Biochemistry**

**Qualification** : **M.Sc ,M.Phil, PGDBI , SET, NET(CSIR),**

Date of Birth and Age : 20 -06-1976 & 48 Years

Area of Specialization : Molecular Biology, Immunology

**Date of Appointment** : **26-06-2000**

**Teaching experience** : **24 Years**

Nationality : Indian

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### **Positions Held:**

1. Served as the additional chief superintendent for semester exams for the 2008-09 at St. Joseph's College, Trichy.

2. Served as the Head of the Biochemistry Department, St. Joseph's College, Trichy, for 3

**months (March to May 2011).**

3. Served as the Head of the Biochemistry department, St. Joseph's College, Trichy from 2018-2023.
4. Served as the member secretary for the IAEC of St. Joseph's College, Trichy from 2018-2023
5. Served as the MQC coordinator for the Biochemistry Department of our college, from 2008 to 2018.
6. Served as the member, PG Biochemistry Board of studies, Alagappa University, 17 June 2014.
7. Served as member, Board of studies, Food science, St. Joseph's college, Trichy, 2011
8. Serving as the member of the curriculum development cell and Students Discipline committee, from 2023.
9. Serving as the Vice principal (Shift II) from 2024.

#### **Books authored**

1. Lab Manual for Electrophoretic Techniques, for UG students of Chemistry (DBT-STAR College Program)
2. Hand Book on Laboratory Animal Handling - Rats and Mice
3. Laboratory manual on Biochemical techniques -5 days internship program for UG students of Biochemistry

#### **Projects Held**

TNSCST sponsored Minor Project – (2009 -10 ) Amount Granted- Rs.10, 000/- Title – Analysis of stress parameters during salt stress in *Allium cepa*.

#### **Research papers published:**

1. Published a paper on “The protective effect of *Morinda citrifolia* juice on Iron induced Hepatotoxicity in male albino rats”, in Joseph's International Journal of Biological Sciences, Volume -1 :2012
2. Published a research review on “The Cytokines and their therapeutic applications” in Joseph's International Journal of Biological Sciences, Volume -1:2012
3. Published a paper on “The antibacterial activity of *Aegiles marmelos* and *Clitoria ternatea* against selected urinary tract pathogens”, in Joseph's International Journal of Biological Sciences, Volume -1 :2012

4. Published a Paper on “A comparative study on the effects of ethanolic and aqueous extracts of *Psidium guajava* fruits in hyperlipidemic rats” in RETEL 2015.

5. Published a Paper on “A comparative study on the effects of ethanolic and aqueous extracts of *Premna serratifolia* leaves in hyperlipidemic male albino rats” in RETEL2016

6. Published a paper on Soil dynamics , modulation of stress enzymes and secondary metabolites in *Allium cepa* Under salinity stress Energy nexus [www.elsevier.com](http://www.elsevier.com)

## Papers Presented

Title of the Conference	Title of the Paper	Type	Level	Name of the Institution	Name of the Conference Proceedings	Date
Anticancer activity of ethanolic extract from the seeds of <i>Sesamum indicum</i>	National conference on Chemical, Biological and medical sciences	Conference	N	Thanthai periyar government c	National conference on Chemical, Biological and Medical sciences(NCCBMS-23)	2023-03-07
Green synthesis of Copper Nanoparticles using Aqueous extract of <i>Sanseveria roxpurghiana</i> leaves and their characterization and in vitro anticancer activity against liver cancer HEP G2 cell line.	National conference on Chemical, Biological and medical sciences	Conference	N	Thanthai periyar government c	National conference on Chemical, Biological and Medical sciences(NCCBMS-23)	2023-03-07
Nanoparticle synthesis , characterization and antimicrobial activity of <i>Ocimum basilum</i> leaf extracts	National conference on Chemical, Biological and medical sciences	Conference	N	Thanthai periyar government c	National conference on Chemical, Biological and Medical sciences(NCCBMS-23)	2023-03-07
Study on the harmonious effects of nanoparticles synthesized from <i>Cinnamomum zeylanicum</i> , <i>Vitis vinifera</i> , <i>Piper cubera</i> and <i>Curcuma longa</i> against MCF-7 cell lines, phytochemical	National conference on Chemical, Biological and medical sciences	Conference	N	Thanthai periyar government c	National conference on Chemical, Biological and Medical sciences(NCCBMS-23)	2023-03-03

screening and antimicrobial activity						
EFFECT OF BRYOPHYLLUM PINNATUM ON ETHYLENE GLYCOL INDUCED UROLITHIASIS IN MALE WISTAR ALBINORATS	Emerging trends in Biosciences	Seminar	N	St.Joseph's college Cuddlore	Souvenir	2022-03-31
Effect of <i>Ethanolic extract of Coldenia procumbens</i> for its antilithiatic and the hormonal changes in Male albino rats	Emerging trends in Biosciences	Seminar	N	St.Joseph's College , Cuddlor	Souvenir	2022-03-29
In vitro studies on the anticancer effect of <i>Carica papaya</i> against Hep G2 cell lines	Emerging trends in Biosciences	Conference	I	St.Joseph's college Cuddlore	Souvenir	2022-03-29
STUDY ON THE EFFECT OF SELECTED HERBAL BLENDS ON HORMONE LEVELS IN HYPERLIPIDEMIA IN FEMALE WISTAR RATS	Emerging trends in Biosciences	Conference	N	St.Joseph's college Cuddlore	Souvenir	2022-03-29
ANTICANCER ACTIVITY OF THE GREEN SYNTHESIZED SILVER NANOPARTICLES OF <i>PERSEA AMERICANA</i> SEED IN HUMAN BREAST CANCER CELL LINE MCF-7, PHYTOCHEMICAL SCREENING, AND FREE RADICALSCAVENGIN G ACTIVITY	Emerging trends in Biosciences	Seminar	N	St.Joseph's college Cuddlore	Souvenir	2022-03-29
Emerging trends in Biosciences	EFFECT OF ETHANOLIC EXTRACT OF PIPER NIGRUM	Seminar	N	St.Joseph`s college Cuddlore	Souvenir	2022-03-29

	LEAVES AGAINST MCF-7 HUMAN BREAST CANCER CELL LINES					
AMELIORATIVA EFFECT OF QUERCETIN, ELLAGIC ACID AND CURCUMIN ON THE SERUM ESTROGEN, PROGESTRONE, TESTOSTERONE LEVEL IN FEMALE WISTAR RATS INDUCED WITH SELECTED FOOD COLOURANTS (TARTRAZINE AND SUNSET Y	Emerging trends in Biosciences	Seminar	N	St.Joseph's college Cuddlore	Souvenir	2022-03-29
EFFECT OF <i>BRYOPHYLLUM PINNATUM</i> ON ETHYLENE GLYCOL INDUCED UROLITHIASIS IN MALE WISTAR ALBINORATS	Emerging trends in Biosciences	Seminar	N	St.Joseph's college Cuddlore	Souvenir	2022-03-29
IN VITRO STUDIES ON ANTICANCER ACTIVITY OF <i>CAPSICUM ANNUUM</i> L. USING A549 CELL LINES	Emerging trends in Biosciences	Seminar	N	St.Joseph's college Cuddlore	Souvenir	2022-03-29

**Resource Person: (Special Lectures / Workshops / Seminars / Association Activities/ Alumni Meeting)**

Type of Programme	Title	Beneficiaries	Days	Date
Bio-De-Fiesta- an intercollegiate technical fest - 2023	Judge for Photography and videography	Students and staffs of various colleges in tamilna	1	2023-09-22
Invited lecture	Histopathology	PG students of	1	2023-

		Biotechnology, St.Joseph`s College,		03-24
Workshop	Regional Workshop on Histopathology	Staff and students of Seethalakshmi ramasamy colle	1	2023- 03-13
Online Faculty Development Programme	Histopathology	Staff of the departments of chemistry and Biochemi	1	2023- 02-17
Bio-de-fiesta - an intercollegiate technical fest 2022	Judge for short film- in Bio- de.fiesta- An intercollegiate Technical fest	Students and staffs of various colleges in tamilna	1	2022- 10-14
Workshop	Regional workshop on Histopathology (HITECH 22)	Students and scholars from college in and around t	2	2022- 03-30
Regional workshop	TNSCST Sponsored Regional workshop on Histopathological techniques	Staff and students from Tamil Nadu	1	2020- 02-05
State level workshop	Workshop on Histological Techniques	Participants from other colleges	1	2018- 12-15
Science Academies' Refresher Course	Known to unknown techniques in biology	Teaching staffs from other states	1	2018- 11-08
WS) Science Academies? Refresher Course on Bioprospection of Bioresources: Land to Lab Ap	SDS PAGE	Aided college Teachers from all over india	1	2018- 01-08
Internship program for UG Biochemistry students of Holy cross college,	Biochemical techniques	UG Biochemistry students of Holy cross college, Tr	5	2017- 05-15
Science academis sponsored Refresher course	Workshop on Blotting	College teachers from all over India	13	2016- 11-07
Invited lecture	Advanced instrumentation technology	UG and PG students of Biochemistry department, Dha	1	2016- 07-27
DBT STAR College Program	Workshop on Electrophoretic techniques	UG Students of Chemistry Department , SJC,Trichy	1	2016- 02-17
Invited talk	Gel Electrophoresis	Biochemistry students of KSR college, Thiruchengod	1	2015- 10-10
Coaching students for CSIR exam	Coaching classes for CSIR Life sciences	PG students of life sciences	2	2015- 10-07
Workshop	Laboratory Animal handling	Researchers and PG students of Biology	2	2015- 09-28

		discipline		
UGC sponsored National seminar	Clinical research	UG, PG and research scholars	1	2015-01-21
Customized workshop	Electrophoresis	Holy cross college , Trichy	1	2014-12-09
Customized workshop	Histopathology	Research scholars of Annamalai University	1	2014-11-28
Workshop	State level workshop on Histopathological techniques	PG and UG students	2	2014-09-28
State level workshop	`Histological techniques` (HITECH`12)	Staff and students from Tamil nadu	1	2012-09-28
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### Consultancy services

Serving as the Consultant (Consultancy services cell of Biochemistry department), for SDS PAGE, Histopathology, Immunoelectrophoresis, 2D PAGE, Soxlet separation

### Areas of consultancy and income generated

Organization Name	Consultation Type	Persons Involved	Date	Revenue	Days
-BARD Orathanad campus	-SDS PAGE	4	2015-07-02	2000/-	1
Holy Cross College, Trichy	Antibacterial Activity of Silver Nanoparticles	4	2017-04-05	2,000/-	5
Dr.Tamilzhmarai selvi , Head, Dept of Microbiology, Cauvery College, T	Histological smapling of nail	1	2019-03-28	500/-	3
Dr.B.Chitra, Dept of Biotechnology, Sri Mad Andavan Colege,Trichy	Histopathology	1	2019-04-12	1000/	3
JJ college of Arts and Science, Pudukkottai	Histological sampling	3	2021-03-13	1000/	03
Dept of Botany , SJC , Tiruchirpalli	Histological sampling	3	2021-09-24	400/-	1
Dept of Biotech and Bioinformatics , Bishop heber college, Trichy	-HISTOPATHOLOGY	1	2023-03-06	900/-	3
Dept of Biology, Gandhigram Rural University, Dindigal	Histopathology	5	2024-01-29	1500/-	5

**Other experience:**

1. Have witnessed four rounds of NAAC visits to our college.
2. Have known to handle soft wares of MS office, and other bioinformatics softwares.
3. Known to handle techniques which include , SDS PAGE, 2D PAGE, Agarose gel electrophoresis, PCR , Immunoelectrophoresis, Immuno diffusion, Histochemical techniques.

Mr.T.ANTONY DIWAKAR CHANDRAN

Assistant Professor in Biochemistry