

Mrs. P.ANITHA, M.Sc., M.Phil., PGDCA.,
Assistant professor, Department of Biochemistry
Shrimati Indira Gandhi College, Trichy-620002.



Specialization : Clinical biochemistry.

Vidwan ID: 380266

ORCID ID: 0000-0003-2886-0056

PROFESSIONAL MEMBERSHIP:

- ❖ Chairman, UG and PG Biochemistry Board,
Bharathidasan university, Trichy.
- ❖ Chairman , Question Paper Setting, PG Biochemistry Board,
Bharathiyar University, Coimbatore

Total Teaching Experience: 27 Years

UG: 27 Years

PG: 21 Years

RESEARCH EXPERIENCE:

No. of M. Phil Scholars produced: 3

No. of M.Sc. Project guided: 52

Research Articles Published In Journals :

1. **Hepatoprotective activity of *Vanilla planifolia*** against Paracetamol induced Hepatotoxicity in Albino rats. International Journal of Institutional Pharmacy and Life sciences, 2011/12 1 (3), 70-74

2. **In-vitro antibacterial activity of *Aegiceras corniculatum* and *Bruguiera cylindrica*** against isolated bacterial urinary tract infections. International Journal of Pharmaceutical Research & Development, 2012

3. **Antibacterial, antifungal and phytochemical** investigation of *Acacia nilotica* . International Journal of Phytotherapy 3 (2), 98-103 ,2013

4. Phytochemical and antimicrobial effect of *Psidium gujava* and *Lecus Aspera* against dental caries pathogen .International Journal of Advanced research 1(9)13-20,2013.

5. **In-vitro anticancer activity** of ethanolic extract of *Euphorbia hirta* (L.) Science, Technology and Arts Research Journal 2014 3 (1), 01-07

6. Evaluation of **Antihepatotoxic effect of *Avicennia marina*** against alcohol-induced liver injury. International Journal of Pharmaceutics and Drug Analysis. 2018; 6 (2): 225 – 231. ISSN: 2348-8948;, UGC: 44824

7. **Chemical characterization of GC- MS analysis of *Tabernaemontana divaricata***.European Journal of Biomedical and Pharmaceutical Sciences. ISSN 2349-8870. Volume 5(4), 451-454. 2018, SJIF impact factor 4.918 UGC.

8.**Anticancer activity of ethanolic extract of *Vitis vinifera L.*** Using MCF7 Cell lines. International Journal of Life Science and Pharma Research. Sp.07. page No: 56-62. 2020. (Special Issue) ISSN 2250-0480.

9. A Review on Chaotic Covid 19 Infection :Pathophysiology and Treatment insight .Journal of Natural Remedies Vol.21,NO4(S2),2020.ISSN:2320-3358,ISSN:0972-5547(P)

10. **In vitro free radical scavenging potential and phytochemical screening of *Pedilanthus tithymaloides***. Alochana Chakra Journal (UGC-CARE Group-1) Vol 9(5):7033-7041.ISSN:2231-3990.

11. Invitro Antidiabetic and antioxidant potential of the sprout of *Borassus flabellifer L.* Extract, Oriental Journal of Biochemistry 39(1)202,2023.ISSN:0970-020X,Online :2231-5039.

12. Antidiabetic effect of *Borassus flabellifer L* Extracts on Streptocin Induced Diabetic rats “Biomedical and Biotechnology Research Journal ISSN 2588-9834,online 2588-9942 Web of science G-II,2023.

BOOK CHAPTER

- ❖ Sustainable life on earth –An Interaction between Plant ,Animals and microbe in the book of “**Plants,Animals and Microbes**”with ISBN Number 978-93-93-93622-22-8

LIST OF PAPERS PRESENTED IN CONFERENCES:

NATIONAL CONFERENCES:

1. **Free radical scavenging activity of Cymbopogon citrates**”- TNSCST sponsored “National conference on phymed-2015” BDU Constituent college for women, Orathanadu on 30.7.15 and 31.7.15.

2. **Synthesis of silver nano particles and anti-microbial studies**: invitro and in silico approach-National seminar on herbal drug development by Department of Biochemistry, Sengamala Thayaar Educational Trust Womens College, Mannargudi on 22.09.17.

3. Preliminary **Phytochemical analysis of chemical compound in Morida citrifolia** and its antibacterial activity”- National Seminar on “Phytotherapy” organized by the Department of Biochemistry, Rabbiammal College, Thiruvarur on 24.1.18.

4. **Evaluation of antihepatotoxic effect of Avicennia marina** against alcohol-induced liver injury and chemical characterisation of GCMS analysis of *Tabernaemontana divaricate*-Participated and Presented a paper on “National Conference on Phytochemicals in Medicinal Plants and Food (MEDFOOD’18)” organized by the department of Biochemistry, Bharathidasan University Constituent College for Women, Orathanadu On 1.2.2018.

5. Presented the Paper **Anticancer activity of Zeamays** against cell Line in the National Seminar on “Molecular Basis of Cancer and Prevention “held on 18th and 19th February 2020 organised by Department of Life Science, School of Arts and Science , School of Arts and Science ,PRIST University , Thanjavur

6. **Green synthesis of Nanoparticles of the sprout of Borassus Flabellifer** on sept, 7th and 8th 2022 at PG and Research Department of Biotechnology Jamal Mohamed College **Won III Prize**

INTERNATIONAL CONFERENCES:

1. **Antidiabetic and antioxidant effect of leaves of Aegiceras corniculatum** a mangrove plant against streptozotocin induced albino rats”- International conference on “Clinical Research- ICCR 2016” by department of Biochemistry, Shrimati Indira Gandhi college, Trichy, on 25. 1. 16.

2. **Obesity and risk factors**”- International conference on “New Frontiers and challenges in Environmental sciences” by school of bioscience, Marudupandiyar college, Tanjore on 11.2.16 and 12.2 .16.

3. Presented the Paper in the International Seminar on Recent Advances in Translational Medicine held on 26th November 2021 organised by the School of Life sciences , Marudupandiyar College Thanjavur.

4. International Conference on Recent Innovations in Multidisciplinary scientific Research(ICRIMSR-2022) at Karpagam Academy of Higher Education Coimbatore on 9th to 11th June 2022, by the Basic sciences and Life Sciences Department.

5. Presented paper entitled **Invitro Antidiabetic effect of Foenogranum Formulation** in the International conference on Phytotherapeutics Organised by PG and Research Department of Biochemistry on 10 th February 2023.

PARTICIPATION IN WORKSHOP / CONFERENCES / SEMINARS / FDP:

WORKSHOP:

1. Two day National level workshop on **NAAC awareness** programme. 27.7.2019 & 28.7.2019- Primax foundation, in association with, INIMS degree college, Arunodaya College, Bengaluru and Shrimati Indira Gandhi College, Trichy.

2. Attended State Level Workshop on “**Experimental Animal Model Care, Maintenance and Handling**” Organised by the Department of Biochemistry ,J.J College of Arts and Science ,Pudukotai on 26th February 2021.

3. **Cytochemical staining** Techniques on 15.9.2022 at shrimati Indira Ganchi College.

CONFERENCE:

International conference on “**Cardiovascular Research**” by Department of Biochemistry, St. Joseph’s College, Trichy on 15.2.16.

International Colloquia on “**Bionanomaterial and Bionanotechnology**” organized by the Department of Biochemistry at St. Joseph College, Trichy on 8.2. 2018.

SEMINARS:

1. National seminar on "**Prospects and challenges in stem cell research**" at St. Joseph's College. 12.1.2015
2. UGC sponsored National seminar on "Clinical Research "at St. Joseph's College. 21.1.2015.
3. National seminar on “**Whole grains for healthy life- Whole grains 2015**” at IICPT, organized by IICPT, Thanjavur on 16.10.15.

4. 4.National seminar on **Human Microbio - An ecological approach**, UGC sponsored, by PG and Research Department of Botany St.Joseph's College, Trichy in association with Trichy Obstretician and Gynecological society (TRIOGS), on 22.1. 2020.
5. Participated in National Level Faculty Seminar on **Recent Trends in Biological Research** Organised by Faculty of Allied Health Sciences,Chettinad Academy of Research and Education on 3rd December 2022.

ONLINE WEBINAR/ FDP:

E Quiz :

1.27.4.2020 –COVID-19 COMBATANT Vinayaka Mission's Research Foundation

National Webinar:

1. 26.5.2020 -Agriculture and allied science education under Covid- 19 Mansarovar Global University

2.26.5.2020 - Heart to Brain communication :Impact of RF radiation, Mizoram university.

3.28.5.2020 -Hormones and Breast cancer, Mizoram university

4. 1.6.2020 -Contemporary approaches in modern zoology in covid-19 world ,Veerashaiva College Bellari, Karnataka

5. 17.06.2020 - Precision medicine: a new paradigm, Holy Cross College, Trichy.

6.22.6.2020 - Introduction to e-Learning Content Creation, CSI, ACM & IEE CS, Chennai in collaboration with ETU team of CDAC, Mumbai.

International Webinar:

1. 29.5.2020-30-05-2020 - Chemical Science Frontiers: The Virtual International Conference Department of Applied Science- UkaTarsadia University

2.5.6.2020 - Celebrating bioersivity AVC College, Mayiladuthurai

3.15. 6 .2020- Impact of airborne fungi bacteria endotoxin, Muqyath sha sirguro wakh board college,

FDP:

1. 05.06.2020 to 11.06. 2020 Role of teachers in quality enhancement and Accreditation, Santhiram engineering College, Nandyal

2.14.7.2022 –shape yourself with siddha ,Department of Chemistry,Shrimati Indira Gandhi College

Courses Completed

1.One Month CAPSTONE –Based Course **Teach on UdeMy** :A-Z of course Creation launching and E Marketing ,Research Foundation of India.10 th April to 10 th May 2022.

AWARDS:

1.**Outstanding Teachers Award 2022** from Research Foundation of India ,Odisha ,India.on 5th September 2022.

2.Received the **Best Paper Award** ,International Conference on Recent Innovations in Multidisciplinary scientific Research(ICRIMSR-2022) at Karpagam Academy of Higher Education Coimbatore on 9th to 11th June 2022, by the Basic sciences and Life Sciences Department.

3.Perumaimigu Perasireyar Virudhu received by Ms.P.Anitha ,Assistant Professor,Department Of Biochemistry from Malar Kanan Pathipagam MAM Creations for Asiriyar Day on 24.09.2023 at Prasath Lab Preview Theater,Saligram ,Chennai.

Project Completed:

Study on Menstrual hygiene management of Women in Kolathur Village Rs.50,000 from K.R.Fuels ,Trichy in the year 2019-2020

Resource Person:

1.Acted as a Resource Person on One Day **Workshop on “Mushroom Cultivation”** conducted by Shrimati Indira Gandhi College on 08.07.2014.

2.Acted as a resource person in health awareness programme at **Navalpattu Panchayat** union on 8.8.15 for 100 days of employment for rural household people under Mahatma Gandhi National rural employment guarantee scheme.

3.Acted as a resource person entitled “A visit to herbal garden and **Preparation of herbal Mehendi”** conducted by the Department of Biochemistry, Shrimati Indira Gandhi College, Tiruchirappalli-2 on 11.02.2017 at Santhanam Vidyalaya CBSC School.

4.Acted as a resource person entitled “**Workshop on Production of organic fertilizer”** conducted by the Department of Biochemistry on 15.07.2017 at K Block Garden, for the II and III year B.Sc. Students

5.Acted as a resource person entitled “**Production of Vermiwash”** conducted by the Department of Biochemistry on 15.07.2018 at Garden near canteen for the I & II M.Sc. Biochemistry.

6. Acted as a resource person entitled “**Production of Vermiwash**” conducted by the Department of Biochemistry on 31.08.2018 at Garden near canteen for the I year B.Sc Students.

7. Acted as a resource person entitled an **outreach programme** on “**Production of Vermiwash**” conducted by the Department of Biochemistry on 16.10.18 at Panchayat Union Hall, **Manakkal East Street, Lalgudi for farmers from village.**

Any other services provided / Positions held during your tenure as Teacher:

- **Campus Initiative Diversity Programme** :Member [2002]
- **UGC Career Oriented Programme Coordinator:**
- Medicinal Biochemistry, Bioinformatics, Enzyme Technology [2005-2010]
- **Funds Tapped :**
 - Rs.20 Lakhs for Career Oriented Programme

 - Rs.50,000 from K.R.Fuels ,Trichy in the year 2019-2020

- **Nature club Coordinator** [2000,2018,2019-2023]

- **Coordinator -Kumudam snekethi Kalluri kondatam** 31.7.2010
- **Womens Day Coordinator** :2006-2019 -13 Years
- **Placement Coordinator** -For All UG Science 2021-2023

- **Board of study member-** UG&PG Biochemistry, BARD [2012-2015].

- **Additional Chief Superintendent** of Examinations ,SIGC.[2015-2018]

- **Chairman:** Biochemistry Question Paper Setting, **Bharathiyar** University [2017-Till Date]