

BIODATA

NAME & QUALIFICATION : Dr. T. Abarna, M.Sc., M.Phil., Ph.D.

DESIGNATION : Assistant Professor

DEPARTMENT NAME : Biochemistry



Work Experience

Total Teaching Experience : 12 Years

UG : 12 Years

PG : 06 Years

Research Experience : 06 Years No. of M.Sc., projects guided till date : 06

No. of research articles published : 10

Specialization : AntiHepatotoxicity and
Nanotechnology

Vidwan ID : 380256

LIST OF PUBLICATIONS:

- ❖ V.Ramamurthy and T.Abarna 2014. Hepatoprotective activity of Phyllanthus niruri whole plant extract against Staphylococcus aureus intoxicated Albino rats in Global journal of Biology, Agriculture and Health Science. 3(3):256-260. Imp factor:3.122.

- ❖ V.Ramamurthy and T.Abarna 2014. Larvicidal Efficacy of *Ocimum sanctum* and *Mukia maderaspatana* against the mosquito vector *Aedes aegyptic* in *Journal of International Academic Research for Multidisplinary*. 2(8):165-176. Imp factor:1.393.
- ❖ V.Ramamurthy and T.Abarna 2015. Evaluation of Ethanolic leaf extract of *Phyllanthus niruri* and its effect on Carbon tetra chloride intoxicated Hepatotoxicity in Albino rats in *International journal of Innovative Research in Science, Engineering and Technology*. 4(7): 6255-6261. Imp factor: 5.4442.
- ❖ V.Ramamurthy and T.Abarna 2015. Extraction of Phytochemical characterization of *Phyllanthus niruri* leaves and their evaluation for ethanol intoxicated Hepatotoxic Albino rats in *International journal of Recent Biotechnology*. 3(3): 1-8. Imp factor: 2.47.
- ❖ K.Durgadevi, T.Abarna, R.Gowri and V.Ramamurthy 2018.Hepatoprotective activity of *Brassica oleracea* in Paracetamol intoxicated Albino rats in *European journal of biomedical and pharmaceutical science*. 5(8): 595-599. Imp factor: 4.918.
- ❖ R.Gowri, T.Abarna, K.Durgadevi and V.Ramamurthy 2018.Comparative biochemical investigation of patients with alcoholic and non-alcoholic liver diseases in *World journal of pharmaceutical research*. 7(15):1223-1238. Imp factor 8.074.
- ❖ S.T.Mini, T.Abarna and V. Ramamurthy 2019.Gas chromatography-mass spectroscopy analysis of bioactive compounds in the whole plant parts of *Evolvulus alsinoides* in *International journal of basic and applied research*. 9(1): 584-593. Cosmos Imp Factor: 5.86.
- ❖ S.T.Mini, T.Abarna and V.Ramamurthy 2019.Invivo anticancer activity of whole plant Ethanolic extract of *Evolvulus alsinoides* against different cell lines in *International journal of research and analytical reviews*. 6(1):80-84. ISSN 23495138.
- ❖ T.Abarna 2021. Nano phytoremediation for textile dye degradation using *abutilon indicum* silver nanoparticles; photo catalytic activities in *Journal of medical pharmaceutical and allied sciences*, volume 10 – Issue 4, 1939, ISSN No. 2320-7418. Scopus and UGC care II.

- ❖ Dr.T.Abarna 2022 – Title of the chapter “Sustainable life on earth – an interaction between plant, animal and microbe” in Plants, Animal and Microbes with ISBN Number 978- 9393622-22-8.

LIST OF PAPERS PRESENTED IN CONFERENCE

NATIONAL CONFERENCES:

- ❖ V.Ramamurthy, R.Gowri and T.Abarna 2015.Evaluation of Aqueous leaf extract of Phyllanthus niuriand its effect on Ethanol intoxicated Hepatototoxicity in albino rats presented in National conference on phyto chemicals in medicinal plants and food , 30and 31 July 2015. P. N0. 45.
- ❖ V.Ramamurthy, T.Abarna and R.Gowri 2015.Phytochemical characterization of cassia auticulata leaves and their evaluation for antiulcer activitiesof albimo rats presented in National conference on Phyto chemicals in medicinal plants and food . 30 and 31 Jult 2015. P.No.46.

INTERNATIONAL CONFERENCES:

- ❖ Presented a poster in “International Conference on Research Trends Strategies and Technical Advancements in Biomedical Sciences for Sustainability” on 14.12.2022 & 15.12.2022 at Seethalakshmi Ramasami College, Trichy.
- ❖ Presented a paper in International Conference on Phytotherapeutics (ICPT 23) on 10.2.2023 at Sengamala Thayar Educational Trust Women’s College, Mannargudi.

LIST OF PAPERS PRESENTED IN SEMINARS

- ❖ V.Ramamurthy, R.Gowri, T.Abarna, K.Radhika, S. Amutha, S.Chitra and S.Raveendran 2014. Antibacterial Activity of Amphimedon paraviridis and Cranilla australiensis. Proc. National level Seminar on Microbial Pollution in Aquatic Environment 14th September 2014 pp 69-78.
- ❖ V. Ramamurthy, R.Gowri, T.Abarna, S.Senthil Kumar, N.Nathiya, S.Chitra and S.Raveendran. 2014. Biodiversity of Microbes in Keezhathottam Mangrove Environs.Proc. National level Seminar on Microbial Pollution in Aquatic Environment 14th September 2014 pp 79-89.

- ❖ V.Ramamurthy, S.Raveendran, K.Muthukumaravel, O.Sathick, N.Nathiya,S.Senthilkumar, S.Amutha, R.Gowri and T.Abarna. 2014. Determination of Phytochemical Analysis and Antimicrobial Activity of Cassia alata.Proc. National level Seminar on Microbial Pollution in Aquatic Environment 14th September 2014 pp 96-98

PARTICIPATION IN WORKSHOP/CONFERENCE/SEMINARS

National level

- ❖ Regional Symposium on Environmental impact Assessment and Control (UGC sponsored) held on 2nd and 3rd September 2004 at A.D.M.College for women, Nagapattinam.
- ❖ One day seminar on Research Avenues in Biosciences held on 5th March at MarudupandiyarCollege, Thanjavur.
- ❖ One day intercollegiate seminar on Microbial pollution in Aquatic Environment held on 14th September 2014 at Syed Ammal Arts and Science College, Karaikudi.
- ❖ National Conference on Phytochemicals in medicinal plants and food held on 30th and 31st July 2015 at Bharathidasan University Constituent College for women, Orathanadu.
- ❖ International Seminar on Novel Avenues in Environmental Issues and Protection held on 15th and 16th February 2018 at Marudupandiyar College, Thanjavur.
- ❖ One day Seminar on Global Challenges and Intercollegiate Competition of Life Sciences held on 15th February 2019 at Marudupandiyar College, Thanjavur.
- ❖ National level seminar on Novel Approaches and Future Aspects for Cancer Therapy held on 7th February 2020at Marudupandiyar College, Thanjavur.
- ❖ One day International Webinar on Protein translation with polysome profiling on 11.12.2021 organized by Akilandeswari College, Wandiwashi.

- ❖ Six day National Level Virtual Faculty Enrichment Program on “Aligning with the new educational era” from 21.02,2022 to 26.02.2022 organized by Primax foundation, St.Claret College, Bengaluru, Shrimati Indira Gandhi College, Tiruchirappalli and St.Francis Desales College, Bengaluru.
- ❖ Faculty Enrichment program on “Introduction to cloud computing” on 26.02.2022 organized by Shrimati Indira Gandhi College, Tiruchirappalli
- ❖ One day webinar on “Climate Change impact and mitigations” on 28.02.2022 organized by Center for Climate change Research, Department of Enviromental Biotechnology and School of Environmental Sciences, Bharathidasan University, Tiruchirappalli.
- ❖ Faculty Development Program on “Innovative Pedagogies of the future in teaching learning process” on 17.3.2022 and 18.3.2022 organized by Rajiv Gandhi National Institute of Youth Development, Chandigarh.
- ❖ Faculty Enrichment program on “Shape yourself with Siddha” on 14.7.22 at Shrimati Indira Gandhi College, Tiruchirappalli.
- ❖ One day workshop on cytochemical staining Techniques held on 15.09.2022 at Shrimati Indira Gandhi College, Tiruchirappalli.
- ❖ One month International workshop on Bioinformatics for Drug Discovery held on 20.05.2023 to 13.06.2023 in the digital modules by Decode life.
- ❖ Five days (30 Hours) Faculty Development Programme on Train the Trainer program on Digital Productivity and AI Fluency conducted by Naan Mudhalvan in patership with Microsoft from 28.08.2023 to 01.09.2023.
- ❖ Five days International Virtual Faculty Development Programme on “Recent Trends in Biological Sciences” – (RTBS 2023) organized by the department of Botany of Seethalakshmi Ramamswami College from 16.10.2023 to 20.10.2023.

PATENT

“Protective effect of Psidium guajava leaf ethanolic extract against streptozotocin-induced diabetes and lipidosis in rats”, Application No 202341037659, Publication date – 18/08/2023