

Curriculum Vitae

Madhan Mohan T
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OBJECTIVE

To be sincere and honest in my work with an unbiased approach to attain the goal focused on par with passion, fulfillment, and satisfaction to the inner conscience in the chosen field.

ACADEMIC QUALIFICATION

PhD (Biotechnology)

Madurai Kamaraj University, Madurai

2016- 2023
(Awarded)

MSc (Biotechnology)

Hindusthan Arts & Science College

affiliated with the Bharathiyar University, Coimbatore Score: 69%

2010-2012

BSc (Biotechnology)

Jairam Arts & Science college

affiliated with the Periyar University, salem

Score: 55%

2007-2010

PROFESSIONAL EXPERIENCE:

2016- 2023 Research Scholar, Madurai Kamaraj University
Department of Plant Biotechnology

- Ph.D.- Study on Antitumor activity of isolated lupeol from *Strobilanthes ciliatus* using Brain tumor cell lines(completed)

The research study initiated to understand the anti tumor potential of rare medicinal plant, The LCMS/MS and NMR analysis exhibited the impact of plant compounds on tumor molecular pathway such protein-protein interaction, metabolite-protein interaction.

2010-2012 Post-Graduate , Hindusthan Arts and Science College Department of Biotechnology.

- Post graduate Dissertation- Anticancer Analysis of cisplatin on colon cancer cells(completed).

The research is to study the synergistic effect of curcumin in combination with cisplatin and 5FU. Curcumin which has high anticancer potential, able to enhance the inhibitory effect of cisplatin and 5FU on HT29 Cells, also curcumin enhanced cisplatin and 5FU intercepted the cell cycle pathway at G₂ and S phase of the cancer cells.

TECHNICAL EXPERIENCE

Molecular Genetics:

- Genomic DNA and RNA isolation,
- Pulse field gel electrophoresis

Biochemistry:

- Spectrophotometric enzyme assays
- Protein quantitation
- Western blotting

Tissue Culture:

- Mammalian adherent and non-adherent cell culture

Research Interests:

- Cell and Molecular Biology: cancer biology

Conference presented:

1. Madhan Mohan T, "Isolation, Characterization of Lupeol from *Strobilanthes Ciliatus*"

Presented at the 2018 National conference -"Congnizance of Microbial Consortium", Bharathiar University, Coimbatore

2. Madhan Mohan T, "*in vitro* Studies on Antitumor Activity of Lupeol using Brain Tumor Cell Line"

Presented at the 2019 International of Conference on Advances in Therapeutic Molecules and Drug Design, Karpagam Academy of Higher Education, Coimbatore.

3. Madhan mohan T, "Apoptosis and antiproliferative properties of lupeol on human tumor cells".

Presented at the 2019 International Conference on Recent Trends in Chemistry and Biosciences, Madurai Kamaraj University, Madurai

PUBLICATION

Madhan Mohan T., P. Arul Prakash and A.Jayachitra (2020) Apoptosis and AntiProliferative Properties of Lupeol on Human Tumor Cells, International Journal of Modern Pharmaceutical Research, 4(1) 2319-5878.

Madhanmohan T, Arun kumar Malaisamy, A. Jayachitra Network Pharmacology Based Investigation Explores the anti-Tumor Potential of Lupeol against Glioblastoma multiform. Indian Journal of Natural Science. (IJONS) VOL-13 / issue 72 / June 2022.

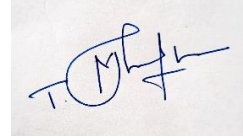
REFERENCES

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DECLARATION

I hereby assure you that the information furnished above in this resume is true and best to my knowledge and belief.

A handwritten signature in blue ink on a light-colored background. The signature is stylized and appears to be 'T M H T'.

Place:Madurai

(Madhan Mohan T)