

Name : M. Jeyakumar
Designation : Assistant Professor, Department of Biotechnology
Qualification : M.Sc., Ph.D (Waiting for Viva-Voce)
Date of Birth : 07.06.1994
Email ID : biotechjeya@gmail.com
Mobile Number : 9655907058, 8838982026
Address : A. Perumalkovil patti, Allikundam (PO)
Usilampatti (TK), Madurai (DT) – 625 527.



Area of Specialization : Biotechnology
Area of Research : Biochemistry & Microbiology
Teaching Experience : Nil

RESEARCH PUBLICATIONS

1. **Mahalingam Jeyakumar**, Sethuraman Sathya, Soniya Gandhi, Prabhakararao Tharra, Venkatesan Suryanarayanan, Sanjeev Kumar Singh, Beeraiah Baire Kasi Pandima Devi. α -bisabolol β -D-fucopyranoside as a potential modulator of β -Amyloid peptide induced neurotoxicity: an *in vitro* & *in silico* study. **Bioorganic Chemistry**. (IF - 5.27).
2. **Mahalingam Jeyakumar**, Sethuraman Sathya, Soniya Gandhi, Prabhakararao Tharra, Murali Aarthi, Devasahayam Jaya Balan, Chandramohan Kiruthiga, Beeraiah Baire, Sanjeev Kumar Singh, Kasi Pandima Devi. α -bisabolol β -D-fucopyranoside exerts neuroprotective effect against β -amyloid (A β) induced oxidative stress in Neuro-2a cell via cholinesterase, antioxidant, and anti- apoptotic Activities. **Drug and Chemical Toxicology**, (IF - 2.40). (Under Review).
3. **Mahalingam Jeyakumar**, Devasahayam Jaya Balan, Chandramohan Kiruthiga, Kasi Pandima Devi. α -bisabolol β -D-fucopyranoside (ABFP) ameliorates scopolamine-induced memory deficits through cholinesterase inhibition and attenuation of oxidative stress in zebrafish (*Danio rerio*). **Neurobiology of Learning and Memory**, (IF - 3.24). (Under Communication).
4. Dicson Sheeja Malar, Prasanth Mani Iyer, **Mahalingam Jeyakumar**, Krishnaswamy Balamurugan, and Kasi Pandima Devi. Vitexin prevents A β proteotoxicity in transgenic *Caenorhabditis elegans* model of Alzheimer's disease by modulating unfolded protein response. **Journal of Biochemical and Molecular Toxicology**, 35 (1), 22632 (IF - 3.60).
5. Devasahayam Jaya Balan, Mamali, Das, Sethuraman Sathya, Chandramohan Kiruthiga, **Mahalingam Jeyakumar**, Gover Antoniraj, Kasi Pandima Devi. Exploring the *in*

vivo safety profile and *in vitro* apoptotic potential of thymol encapsulated chitosan nanopolymer against A549 cells. *International Journal of Biological Macromolecules*, (IF - 6.95).

6. Devasahayam Jaya Balan, Tamilselvam Rajavel, Mamali Das, Sethuraman Sathya, **Mahalingam Jeyakumar**, Kasi Pandima Devi. Thymol induces mitochondrial pathway mediated apoptosis via ROS generation, macromolecular damage and SOD diminution in A549 cells. *Pharmacological Reports*, 73 (1), 240-254. (IF - 2.75). (Under Communicaiton).

BOOK CHAPTER PUBLISHED

1. **Jeyakumar M**, Devi KP. (2018). Flavour Enhancers. In: Nabavi SM, Loizzo MR, Tundis R, Nabavi SF, Devi KP, Silva AS (Ed). Food Additives and Human Health [tham Science] (**Published**).

