

Name : Dr. KAVIYA M

Department : Biochemistry

Designation : Assistant Professor

Qualification : M.Sc., Ph.D.

Experience : -

Specialization(s) : Phytochemistry, Phytotherapeutics, Haematology,
Biochemistry, Genetics

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Academic Qualifications

Degree	Course Name	College Name	Year of Graduation
Ph.D.	Human Genetics and Molecular Biology	Bharathiar University	2023
M.Sc.	Biochemistry	PSG College of Arts and Science	2018
B.Sc.	Biochemistry	PSG College of Arts and Science	2016

Additional Qualifications

Dip./Voc./ Cert.	Area of Specialization	Institution/ University/ Agency Name	Year
B.A.	Hindi	Dakshin Bharat Hindi Prachar Sabha	2018

Research Publications

- **Kaviya M**, Balamuralikrishnan B, Sangeetha T, Senthilkumar N, Malaisamy A, Sivasamy M, Poorni L, Pushparaj K, Arun M, A.V. Anand. Evaluation of phytoconstituents of *Triticum aestivum* Grass extracts on nutritional attributes, antioxidant, and antimicrobial activities against food pathogens with molecular *in silico* investigation. *Food Frontiers*. 2023 March 29; 4:831(**INDEX: SCOPUS, IF: 9.9, CITATION:1**)
- **Kaviya M**, Balasubramanian B, Bharathi K, Malaisamy A, Al-Dhabi NA, Mariadhas VA, Anand AV, Liu W. Evaluation of Nutritional Substances and Investigation of Antioxidant and Antimicrobial Potentials of *Boerhavia diffusa* with *in Silico* Molecular Docking. *Molecules*. 2022 Feb 14; 27(4):1280. (**INDEX: SCI-E, IF: 4.927, CITATIONS:4**)

- Younis M, Sujeetha P, Sangeetha T, **Kaviya M**, Bharathi K, Anand AV. Molecular Heterogeneity in Colorectal Cancer: Insights from Genetic Profiling. Journal of Advanced Applied Scientific Research. 2021 Sep 2; 3(5):6-15. (INDEX: WEB OF SCIENCE)
- Sanjeev AM, Kathirvel B, **Mohandass K**, Arumugam VA. Influence of De novo mutation in autism. Biomedical and Biotechnology Research Journal (BBRJ). 2020 Oct 1;4(4):297. (INDEX:SCOPUS)
- K. Bharathi, M. Shenbagam, B. Balamuralikrishnan, **M. Kaviya**, T. Sangeetha, A. Vijaya Anand. 2022. Phytotherapeutic of Vicia faba L. in Parkinson's disease: an *In silico* approach. Studies on Ethnomedicine. 16(3-4):114-129 (INDEX: SCOPUS).
- Brindha D, Santhosh Kumar M, Santhi R, **Kaviya M**, Vigneshkumar M. Effect of Modified Panchagavyam on Growth of *Vigna radiate* – A Biochemical Approach, International Journal of Green and Herbal Chemistry. 2017. 6 (4): 312-316 (INDEX: INDEX COPERNICUS)

Review Articles

- Nandhini B, Sureshraj Y, **Kaviya M**, Sangeetha T, Bharathi K, Balamuralikrishnan B, *et al.* Review on Biogenesis of Platelets in Lungs and its Alterations in SARS CoV- 2 Infectious patients. Journal of Renin-Angiotensin-Aldosterone System. 2023 Feb 27; 1-10. (INDEX: SCI-E, IF: 2.9, CITATION:1)
- Anand AV, Balamuralikrishnan B, **Kaviya M**, Bharathi K, Parithathvi A, Arun M, Senthilkumar N, Velayuthaprabhu S, Saradhadevi M, Al-Dhabi NA, Arasu MV. Medicinal plants, phytochemicals, and herbs to combat viral pathogens including SARS-CoV-2. Molecules. 2021 Mar 22;26(6):1775. (INDEX: SCI-E, IF: 4.927, CITATIONS:71)
- **Kaviya M**, Balamuralikrishnan B, Arun M, Anand AV. Thrombocytopenia and Lung Disorder- Interconnected?-An Overview. International Journal of Human Genetics. 2020 Sep 1;20(3):120-31. (INDEX: SCI-E, IF: 0.124)

Chapters

- **Kaviya M**, Geofferina IP, Poornima P, Rajan AP, Balamuralikrishnan B, Arun M et al (2023). Dietary Plants, Spices and Fruits in Curbing SARS-CoV-2 Virulence. In Ethanopharmacology and Drug Discovery for Covid-19: Anti-SARS-CoV-2 Agents from Herbal Medicines and Natural products. Springer, Singapore.

- Latha AS, Anita PP, Sidhic N, James E, **Kaviya M**, Bharathi K, Balamuralikrishnan B, Anand AV (2024). Phytonutrients and Secondary Metabolites to cease SARS- CoV-2 Loop. In *Bioactive Compounds Against SARS CoV-2* (pp.111-124). CRC Press
- **Mohandass K**, Thangavelu S, Kathirvel B, Rajesh M, Vijayarani K, Issara U, Balasubramanian B, Arumugam VA. Molecular Closeness of Zebrafish and Human Platelets. In *Aquaculture Science and Engineering 2022* (pp. 175-208). Springer, Singapore.
- Kathirvel B, **Mohandass K**, Thangavelu S, Kannan V, Balasubramanian B, Al-Dhabi NA, Arasu MV, Arumugam VA. Pharmacological Importance of Seaweeds. In *Aquaculture Science and Engineering 2022* (pp. 347-377). Springer, Singapore.
- Thangavelu S, Kathirvel B, **Mohandass K**, Basavaraju P, Balasubramanian B, Al- Dhabina, Arasu MV, Arumugam VA. Production, Maintenance and Benefits of Seaweeds in Tropical Regions. In *Aquaculture Science and Engineering 2022* (pp. 323- 345). Springer, Singapore.

Peer Reviewer

- Asian Journal of Haematology
- Journal of Pharmaceutical Research International
- Peerj
- International Journal of Research and Reports in Dentistry
- Asian Hematology Research Journal
- International Blood Research and Reviews
- Journal of advances in Medicine and Medical Research

Presentations in Conferences

- 2nd International Conference on Sustainable Developmental Goals in Biosciences, Dept. of Biosciences, Vivekanandha College for Women, Nagercoil, 23&24-Apr-2021.
- 5th International Symposium on Phytochemicals in Medicine and Food, Nachang University, China, 25-Aug-2019 to 01-Sep-2019.
- Two Day National Conference on Scientific Validation of Traditional/Alternative Medicine- 2022, Dept. of Biochemistry, Karpagam Academy of Higher Education, Coimbatore, 17 & 18-May-2022.

- E-Posters at 26th World Congress of Neurology- 2023, World Federation of Neurology with support from Canadian Neurological Sciences Federation in Montreal, Canada, 15 to 19-Oct-2023.

Participation in Workshop and Conferences

- Current Trends in herbal Science- 2015 (26th September 2015) at PSG College of Pharmacy, Coimbatore
- National Conference on Biorevolution - A promising Strategy (10th February 2016) at Sri Krishna Arts and Science College, Coimbatore
- International Conference on “Biochemistry of Homeostasis in Health” organized by Department of Biochemistry, PSG College of Arts and Science, 10-08-2017
- One day Awareness Program on Diabetes organized by the Department of Human Genetics and Molecular Biology, Bharathiar University, 20-12-2017
- Workshop cum Hands on Training in “Immuno techniques” (5th and 6th March 2018) at Bharathiar University, Coimbatore
- National Conference on Biology and Medicine (07 and 08, February, 2019)
- One day Workshop and Hands on training “Remedial Formulation” (11th March 2019)
- Skill development course on “Genetic Counselling” conducted by the Department of Human Genetics and Molecular Biology, Bharathiar University (5th-15th Feb 2021)
- Hands on Workshop on Sanger Sequencing and SNP analysis at Immunogenix Biosciences (8th and 9th Sep 2023).