

PROFILE

Name **K.Meenakumari**
Designation **Research Associate**
Unit **Research and Development Wing**
Sree Balaji Medical College and Hospital
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Education Qualification				
S. No	Institute, Place	Degree	Year	Specialization
1.	Vels University, Chennai	M.Sc	2011	Bioinformatics
2.	University of Madras, Chennai	B.Sc	2009	Biotechnology

Academic Experience			
S. No	Institute, Place	Designation	Period
1.	Sree Balaji Medical College and Hospital (BIHER), Chennai	Junior Research Assistant	

Books
Tools of Bioinformatics - A Practical Manual- 2017; 978-93-5288-421-6.

Publications –Articles	IF	Citation
Meenakumari K, Bupesh G, Vasanth S, Vasu CA, Pandian K, Prabhu K, Prasath S. Molecular docking based virtual screening of carbonic anhydrase IX with coumarin (a cinnamom compound) derived ligands. Bioinformation. 2019;15(10):744.		
Krishnamoorthy Meenakumari & Giridharan Bupesh. Molecular docking of C-Jun-N-Terminal Kinase (Jnk) with amino-pyrimidine derivatives. Bioinformation 16(6): 462-467 (2020)		
Krishnamoorthy Meenakumari, Giridharan Bupesh, Mayur Mausoom Phukan. Determination of in vitro antioxidant activity of the leaves extracts of Ehretia pubescens. Int. J. Res. Pharm. Sci., 2020, 11(4), 6262-6267		
Kirshnamoorthy Meenakumari & Giridharan Bupesh. Combined effect of furanone fluconazole and amphotericin B against biofilms formed from		

Cryptococcus neoformans. Bioinformation 17(5): 536-540 (2021)		
K. Meenakumari, J. Jasmine Buelah, S. Vasanth. An overview of medicinal plants in the treatment of cancer. IJBPAS, (2021)		
Vasanth S, Siva Vijayakumar T, Jasmine Buelah. J and Meenakumari K. Inhibitory property of barleria cristata extract on α -amylase and α -glucosidase key in diabetes and antioxidant. IJBPAS, (2021)		
Akilandeswari, G., Bupesh, G., Vijaya, A.A., Meenakumari, K. Invitro efficacy of antioxidant activity in ethanolic and aqueous leaf extracts of Andrographis paniculata Nees and Rhinacanthus nasutus Kurz. International Journal of Research in Pharmaceutical Sciences. 2020, 11(4), pp. 6301–6306		
Prabhu, J., Bupesh, G., Prabhu, K., Meenakumari. K. Molecular properties and insilico neuroprotective activity of eugenol against glutamate metabotropic receptors. International Journal of Pharmaceutical Sciences Review and Research. 2016, 40(1), pp. 318–323, 58		
Suja D, Bupesh G, Nivya Rajendiran, Mohan V, Ramasamy P, Muthiah NS, Arul Amutha Elizabeth, Meenakumari K and Prabu K. Phytochemical Screening, Antioxidant, Antibacterial Activities of Citrus Limon and Citrus Sinensis Peel Extracts. Int J Pharmacogn Chinese Med 2017, 1(2): 000108		
M. P. Shanthi, G. Bupesh, S. Magesh, K. Meenakumari, K. Saravanan and N.S. Muthiah. In vitro anticancer activity of Biophytum Sensitivum whole plant extracts against cervical and liver cancer cell lines. IJPSR, 2016; Vol. 7(12): 5128-5135		
M.P. Santhi, G. Bupesh, V. SenthilKumar, K. Meenakumari, K.Prabhu, S.Sugunthan, E.Manikandan, K.Saravanan. Anticancer Activity and Drug Likeliness Of Quinoline Through Insilico Docking Against Cervical And Liver Cancer Receptors. Indian Journal of Medical Research and Pharmaceutical Sciences. 2016; 3(9)		

Academic Project

- **Major Project:** Docking studies of Coumarin inhibitor against the target carbonic anhydrase - ix for treating tumor of Prof. D. Velmurugan, University of Madras.
- **Mini Project:** Extraction Of Secondary Metabolites From Rare Medicinal Plants And Plant Tissue Culture On The Plants(Piperchaba, Andrographispaniculata), under the guidance of Prof. K. Murugesan, University of Madras.

Patents

A System for Monitoring of Coma Patient's Health Parameters
 Patent Filed No: 202041010984; Dt. 13/03/2020