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Dr. Premnath Dhanaraj's Profile



Dr. Premnath Dhanaraj, M-Tech, Ph.D

DESIGNATION : Assistant Professor

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SCOPUS ID : 55568079500

Date of Joining : 27/11/2007

Academic Background

Degree	University	Year
Postdoc	University of Manitoba CANADA	2018
Ph.D	Karunya University INDIA	2016
M.Tech.	SASTRA University INDIA	2007

Degree	University	Year
B.Pharm.	Tamilnadu MGR (Govt) Medical University INDIA	2004

Courses Taught

- Computational Biology
- Instrumental methods and Analysis
- Biopharmaceutical Technology
- Anatomy and health Science
- Molecular Modelling and CADD

Research Interests

- Computational Biology & Bioinformatics
- Medicinal Chemistry
- Cheminformatics
- Complementary & Alternative Medicine
- Pharamaceutical Sciences

MOST RECENT PUBLICATIONS

- **Dhanaraj, Premnath**, Indiraleka Muthiah, Mahtabin Rodela Rozbu, Samiha Nuzhat, and Mosae Selvakumar Paulraj. "Computational studies on T2Rs Agonist based anti-Covid-19 drug design." *Frontiers in Molecular Biosciences* 8 (2021): 690
- Ravnik, Zina, Indiraleka Muthiah, and **Premnath Dhanaraj**. "Computational studies on bacterial secondary metabolites against breast cancer." *Journal of Biomolecular Structure and Dynamics* (2020): 1-9.
- R amasamy, Sivaraj, Dinesh Dhamecha, Kiruthiga Kaliyamoorthi, Archana Sumohan Pillai, Aleyamma Alexander, **Premnath Dhanaraj**, Jyothi U. Menon, and Israel V. Muthu Vijayan Enoch. "Magnetic hydroxyapatite nanomaterial–cyclodextrin tethered polymer hybrids as anticancer drug carriers." *Materials Advances* 2, no. 10 (2021): 3315-3327.
- Jaggupilli, Appalaraju, Nisha Singh, Vivianne Cruz De Jesus, Mohamed Soussi Gounni, **Premnath Dhanaraj**, and Prashen Chelikani. "Chemosensory bitter taste receptors (T2Rs) are activated by multiple antibiotics." *The FASEB Journal* 33, no. 1 (2019): 501-517.

- **Premnath, D.**, D. Akila, and M. Indiraleka. "A comparative meta-genomic analysis of hpv strains: a step towards the design, synthesis and characterization of noval quenazoline derivative for antiviral activity." *Computational biology and chemistry* (2018).75:213-220

PROJECTS HANDLED

- Expression of GPCR'S for Clinical diagnostics
- *INSILICO* DESIGN, CHEMICAL SYNTHESIS AND CHARACTERIZATION OF **4**-AMINO ANTIPYRINE DERIVATIVES AS POTENTIAL ANTI -HUMAN PAPILLOMA VIRUS AGENTS.

PATENTS PUBLISHED/GRANTED

- NIL

Memberships in Professional Bodies

- Pharmacy Council of INDIA
- Centre of Excellence in Genomic Medicine Research (CEGMR)
- International Association of Engineers (IAENG)