

## Dr. Premnath Dhanaraj's Profile



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

---

**DESIGNATION** : Assistant Professor

**KMAIL, GMAIL** : [premnath@karunya.edu](mailto:premnath@karunya.edu), [prems.bioinfo@gmail.com](mailto:prems.bioinfo@gmail.com)

**Mobile No:** +91-9865347550

**ORCID:** 0000-0002-1969-4917

**SCOPUS ID** : 55568079500

Date of Joining : 27/11/2007

### Academic Background

---

<b>Degree</b>	<b>University</b>	<b>Year</b>
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 PAPILOMA 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)