



Centre for Advanced Medical Physics (CAMP)

Centre for Advanced Medical Physics (CAMP) at St. Peter's Institute of Higher Education and Research, Chennai, has made significant strides in cutting-edge scientific research and innovation. With impactful publications, patents, and international collaborations, CAMP has pioneered advancements in medical diagnostics, pharmaceuticals, and material sciences. Its contributions include drug identification, disease monitoring, and the development of nanomaterials for healthcare. CAMP also plays a vital role in training and knowledge dissemination through conferences, workshops, and internships. By combining academic excellence with translational research, CAMP continues to make meaningful contributions to science and society.

Significant Contributions of CAMP				
No. of Publications	157			
Scopus	H-index	28	Citations	2446
Web of Science	H-index	22	Citations	1670
Patent	1 Granted (202241020045 A) Title: GCMS and Molecular Docking Studies for Identification of Novel Anti-thyroid Compound in <i>Commiphora Mukul</i> (Guggul)			
Consultancy Services	Ayur MedLife Ayurvedic Hospital			
International Consortium	Collaboration with Sofia Medical University, Bulgaria for a tune of 220 Million BGN (~1000 crore)			

Groundbreaking Innovation in Scientific Research:

1. Exhibited its smartness in diagnosing thyroid, monitoring the efficacy and also in exploring the molecular composition of the traditional ayurvedic drug involved in treating the thyroid and extraction of bioactive constituents from the seeds of *Commiphora Mukul*.
2. Diagnosed and monitored diseases through skin, hair, blood and nails in monitoring the efficacy of Metformin Hydrochloride through hair in diabetic patients.
3. Contributed a lot more in synthesizing and characterizing the metallic nano particles in medical industry and the use of bulk fill composites in dentistry.

CAMP uses SAIF facilities for the recording of the pharmaceutical and herbal drugs.

CAMP – Conferences, Workshops & Internships

Internship for M.Sc. Physics Students 2022–2023	22 students participated and presented projects on various topics related to internship
Internship for M.Sc. Physics Students 2023–2024	38 students participated and presented projects on various topics related to internship
Internship for M.Sc. Physics Students 2024–2025	40 students participated and presented projects on various topics related to internship
International Seminar on Emerging Applications in Medicinal Sciences and Spectroscopy (ISEAMSS–2025)	One day seminar with 3 invited lectures, more than 80 participants were benefitted by this seminar