



RESEARCH

CENTRE UPDATES

PRC Recognized as PhD Centre under Chinmaya Vishwa Vidyapeeth

On July 29, 2025, a Memorandum of Understanding (MoU) was formally signed between Pushpagiri Institute of Medical Sciences & Research Centre (PIMS&RC) and Chinmaya Vishwa Vidyapeeth (CVV), Deemed to be University, to designate Pushpagiri Research Centre (PRC) as a recognized PhD Centre under CVV.

The MoU was signed by Rev. Fr. Dr. Biju Varghese, CEO, Pushpagiri Medical Society, on behalf of PIMS&RC, and Dr. T. Asokan, Registrar, CVV, representing Chinmaya Vishwa Vidyapeeth.

This agreement builds upon the previously signed MoU between the two institutions, expanding its scope to strengthen research collaboration by enabling PRC to serve as a doctoral research hub. With this recognition, PRC will host and guide PhD scholars under CVV, further advancing Pushpagiri's mission of fostering high-quality research and academic excellence.



Research Partnership Agreement with Western Sydney University

Pushpagiri Institute of Medical Sciences & Research Centre has signed a Research Partnership Agreement with Western Sydney University (WSU), Australia, along with Christian Medical College (CMC), Vellore, and St. John's Medical College Hospital, Bengaluru.



The agreement was formally signed by the Associate Pro Vice-Chancellor (Research), WSU, and the respective authorities from the collaborating centres. This strategic partnership aims to foster multicentric collaborative research studies, advancing knowledge and strengthening global academic and scientific linkages.

This agreement was signed in connection with the multicentric project titled “Cancer-Related Awareness and Behaviour of Adolescents and Young Adults in India”, where Pushpagiri Centre for Evidence Based Practice (PCEBP) is a co-centre along with the other institutes in this partnership. Through this collaboration, Pushpagiri joins a prestigious network of leading institutions, reinforcing its commitment to high-impact research and international cooperation

Preparatory Meeting on National Rickettsial Surveillance and Dengue Projects

A preparatory meeting was held at Pushpagiri Research Centre to discuss the commencement of two major collaborative projects — the ICMR National Rickettsial Surveillance Project (with CMC Vellore) and the Dengue Project (with the Institute of Advanced Virology, Thiruvananthapuram).



The meeting was attended by Prof. Dr. Tomy Philip, Head of General Medicine, Prof. Dr. Jacob Abraham, Head of Paediatrics, Prof. Dr. Mercy John Idicula, Head of Microbiology, Mr. George Varghese, Virology In-Charge & Asst Professor Microbiology, and Prof Dr. Sunil Mathew, Dept of General Medicine, along with faculty members from the concerned departments.

The discussions focused on planning the initial steps for implementation, interdepartmental coordination, and ensuring smooth integration of the projects into the institutional research framework. Both initiatives are expected to significantly strengthen Pushpagiri's contributions to national infectious disease surveillance and public health research.

PRC Faculty Deliver Sessions at Pushpagiri Dental College Clinical Club

The Clinical Club of Pushpagiri College of Dental Sciences held its session on 20th August 2025 at the College Auditorium, where faculty members from the Pushpagiri Research Centre (PRC) delivered two invited talks.

- Dr. A.N. Ampadi, Veterinary Officer, PRC, spoke on “Institutional Animal Ethics Committee and Its Regulations.”
- Dr. Nebu George Thomas (MDS, PhD), Professor, Department of Periodontics, Pushpagiri College of Dental Sciences, and Head, Stem Cell & Tissue Engineering Lab, PRC, presented on “Bioactive Scaffolds: Unveiling Recent Advances in Soft Tissue and Hard Tissue Regeneration.”

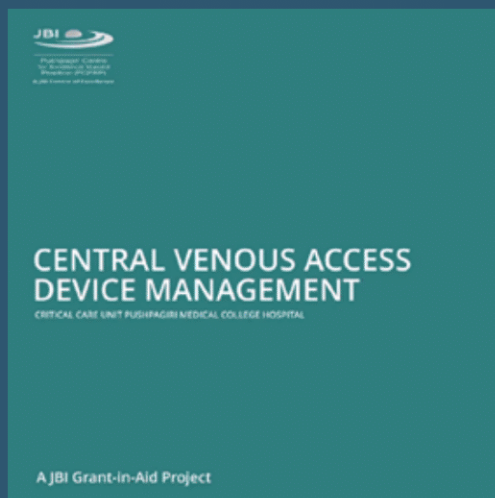
Both sessions were highly motivating, promoting the importance of research conducted at PRC and inspiring the students and faculty of the Dental College to actively engage in research-driven learning.



Educational Video on CVAD Management Released

An educational video on Central Venous Access Device (CVAD) Management, developed by the Critical Care Unit team, Pushpagiri Medical College Hospital, has been released as part of the JBI Grant in Aid project (Adelaide University) awarded to the Pushpagiri Centre for Evidence Based Practice (PCEBP) – A JBI Centre of Excellence.

The video has been uploaded to YouTube and can be accessed here: https://youtu.be/fhXMtF9U_KE?si=v6PY9ccaEXgcLGLq



PUBLICATIONS

Book Chapter :

Dr. R.S. Soumya, Scientist, PRC, has co-authored a book chapter titled “Metalloproteases: The Effectors of Inflammation in Breast Cancer Progression” in the prestigious Elsevier–Academic Press volume “Therapeutic Aspects of Some Natural Compounds in Proteases-Induced Cancer” (Volume 1), edited by Prof. Sajal Chakraborti.

This chapter provides critical insights into the role of metalloproteases in breast cancer progression, emphasizing their contribution to tumour inflammation and potential as therapeutic targets.



Review Article:

Thomas NG, Junior FG de S, Ninan N, Anil S, **Raju RS**, **Varghese N**, et al. Bioglass in dentistry: A comprehensive review of current applications and innovative frontiers. *Journal of Dentistry* [Internet]. 2025 Nov 1 [cited 2025 Aug 26];162:106017.

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Review article

Bioglass in dentistry: A comprehensive review of current applications and innovative frontiers

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^f Center for Musculoskeletal Surgery, Charité – Universitätsmedizin Berlin, Corporate Member of Freie Universität Berlin, Humboldt-Universität zu Berlin, and Berlin Institute of Health, Berlin, Germany
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Patent Application Filed with PRC Contribution

A joint patent application has been filed on “Core-Shell Electrospun Fibers of PVP/Quercetin@PCL/Nanoclay/Catechin for Bone Regeneration” under the field of Polymer Technology. The application was officially submitted on 27th July 2025 (Application No. 202541071339) with publication on 1st August 2025.

This collaborative innovation involves multiple institutions, including Pushpagiri Research Centre (PRC) and the Department of Periodontology, Pushpagiri College of Dental Sciences. From PRC, Dr. Nebu George Thomas (Professor, Periodontology & Head, Stem Cell and Tissue Engineering Lab) and Rev. Dr. Mathew Mazhavancheril (Director, PRC) are named as co-applicants.

The invention proposes a novel biomaterial with significant potential in bone regeneration and regenerative medicine, marking an important step in interdisciplinary translational research.

Application Details							
APPLICATION NUMBER	202541071339						
APPLICATION TYPE	ORDINARY APPLICATION						
DATE OF FILING	27/07/2025						
APPLICANT NAME	1 . IPR Solutions Hub 2 . Department of Physics, Catholicate College, Pathanamthitta, Kerala, India 3 . Department of Physics, NSS Hindu College, Changanacherry, Kerala, India 4 . Department of Periodontology, Pushpagiri College of Dental Sciences, Thiruvalla, Kerala, India 5 . Pushpagiri Research Centre, Pushpagiri Institute of Medical Sciences and Research Centre, Thiruvalla, Kerala, India 6 . RVS Dental college and hospital, Coimbatore.						
TITLE OF INVENTION	Core-Shell Electrospun Fibers of PVP/Quercetin@PCL/Nanoclay/Catechin for Bone Regeneration						
FIELD OF INVENTION	POLYMER TECHNOLOGY						
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E-MAIL (UPDATED Online)							
PRIORITY DATE							
REQUEST FOR EXAMINATION DATE	27/07/2025						
PUBLICATION DATE (U/S 11A)	01/08/2025						
2. INVENTOR(S):							
Sr.No.	Name	Nationality	Address	Country	State	Distict	City
1	Dr. Raneesh Balakrishnan	India	Assistant Professor, Department of Physics, Catholicate College, Pathanamthitta, Kerala, India. 9645904101	India	Kerala	Pathanamthitta	Kerala
2	Dr.Sobi K Chacko	India	Assistant Professor, Department of Physics, NSS Hindu College, Changanacherry, Kerala, India	India	Kerala	Pathanamthitta	Kerala
3	Dr.Nebu George Thomas	India	Professor and Scientist, Department of Periodontology, Pushpagiri College of Dental Sciences, Thiruvalla, Kerala, India, +91-9447044726	India	Kerala	Pathanamthitta	Kerala
4	Dr. Nibu Varghese	India	Pushpagiri Research Centre, Pushpagiri Institute of Medical Sciences and Research Centre, Thiruvalla, Kerala, India-689101	India	Kerala	Pathanamthitta	Kerala
5	Dr. Vijay V.K	India	Director and Principal, RVS Dental college and hospital, Coimbatore.	India	Tamil Nadu	Coimbatore	Coimbatore

Awards & Achievements



Dr. Ajay Krishna U., Scientist, PRC, won the Best Faculty Presentation Award in the Clinical Club (Cycle 2, 2025).



Dr. Aniket Naha, Scientist, PRC, secured First Prize in Oral Presentation at PRICE 2025, the National CME of PIMS&RC.



Dr. Anil Sukumaran

Adjunct Faculty, PRC, has been appointed as Associate Editor of the International Journal of Dentistry (Q1, Scopus), a prestigious peer-reviewed journal in the field



Ms. Megha Madhu

Project student at PRC and M.Sc. Biotechnology student of St. Mary's College, Tiruvalla, secured the 6th Rank under Mahatma Gandhi University. She completed her Master's thesis at PRC's Medical Biotechnology and Computational Drug Designing Lab under the guidance of Dr. Aniket Naha.



Ms. Anjana Venugopal

Project student at PRC and M.Sc. Biochemistry student of MES College, Marampally, Aluva, secured the 4th Rank under Mahatma Gandhi University. She completed her Master's thesis at PRC's Cytogenetics and Biochemistry Lab under the guidance of Dr. Soumya R.S.

Congratulations

PUSHPAGIRI CLINICAL CLUB AWARDS 2025



DR. CHINTU S GEORGE

(PLASTIC SURGERY)
BEST FACULTY PRESENTATION
CYCLE 1-2025



DR. AJAY KRISHNAN U

PUSHPAGIRI RESEARCH CENTRE
BEST FACULTY PRESENTATION
CYCLE 2-2025



DR ARJUN K G

(EMERGENCY MEDICINE)
BEST PG PRESENTATION
CYCLE 1-2025



DR. SHILA MATHEW

(MICROBIOLOGY)
BEST PG PRESENTATION
CYCLE 2-2025