

RESEARCH

RESEARCH CENTRE NEWS

PRC & CIFT (CENTRAL INSTITUTE OF FISHERIES TECHNOLOGY)



A review meeting regarding collaborative project between Pushpagiri Research Centre (PRC) and Central Institute of Fisheries Technology (CIFT) was held on 19th September, 2023 at PRC conference hall. The meeting was presided by Rev. Dr. Mathew Mazhavancheril (Director & Head, Pushpagiri Research Centre) with Dr. Nebu George Thomas (Scientist-Tissue Engineering Lab, Pushpagiri Research Centre) Dr. Binci (Senior Scientist, CIFT). The delegates evaluated the progress of project on Development of Tissue Engineering Scaffolds from Marine Sources. Several other faculties who attended the meeting includes Dr. Sajith Varghese (Associate Professor, General Medicine), Mr. George Varghese (In-charge-Centre for Virology, Coordinator Pushpagiri Research Centre) Dr. Soumya R.S (Scientist, Biochemistry Lab), Dr. Aniket Naha (Scientist, Medical Biotechnology and Computational Drug Designing Lab), Dr. Rosin George Varghese (Assistant Professor, Clinical Epidemiology Unit), Dr. Vimal Thomas (Postgraduate, Department of Periodontics, Pushpagiri College of Dental Sciences), Dr. Merin Basil (Postgraduate Department of Prosthodontics, Pushpagiri College of Dental Sciences), Dr. Lekshmi. M. (Postgraduate, Department of Periodontics, Pushpagiri College of Dental Sciences), Ms. Mahima Rachel Soney, Ms. Krishnaja R. Delegates from commercial partner of CIFT named Blooming Boon were also present in the meeting. The meeting concluded upon deciding to continue the ongoing project and Dr. Binci (Senior Scientist CIFT) expressed her keen interest in initiating of collaborating project for future development of cosmetic products from marine sources.

Eminent Scientist Dr. Yogesh Bharat Dalvi Delivers Inspirational Lecture on Phytochemicals in Tissue Engineering



Pune, Maharashtra, September 25, 2023 — Fergusson College (Autonomous) had the honor of hosting renowned scientist Dr. Yogesh Bharat Dalvi from the Pushpagiri Research Centre, Pushpagiri Institute of Medical Sciences and Research Centre in Tiruvalla, Kerala, India. Dr. Dalvi, a distinguished figure in the field of medical research, delivered an illuminating lecture to teachers, MSc, and research students of the Life Science course on the captivating topic, "Unlocking Nature's Healing Potential: Phytoceuticals in Tissue Engineering."

The lecture, held on Saturday, 23rd September 2023, from 2:00 PM to 3:00 PM at the Conference Hall of Fergusson College, Pune, was attended by a captivated audience of aspiring young scientists. Dr. Dalvi's presentation explored the fascinating world of phytoceuticals and their applications in the field of tissue engineering. His extensive knowledge and expertise in this domain captivated the audience, providing valuable insights into the potential of natural compounds for regenerative medicine. His engaging discourse left an indelible mark on the students, inspiring them to explore new horizons in medical research.

The event not only highlighted Dr. Yogesh Bharat Dalvi's commitment to education and research but also showcased Pushpagiri Research Centre's ongoing efforts to foster collaboration and knowledge exchange within the academic community.

This lecture represents another milestone in Pushpagiri Institute of Medical Sciences and Research Centre's mission to facilitate cutting-edge research and education in the medical sciences.

About Dr. Yogesh Bharat Dalvi:

Dr. Yogesh Bharat Dalvi is a Scientist at the Pushpagiri Research Centre, affiliated with the Pushpagiri Institute of Medical Sciences and Research Centre in Tiruvalla, Kerala, India. With a wealth of experience and expertise in medical research, Dr. Dalvi is internationally recognized for his contributions to the field. His work focuses on innovative approaches to tissue engineering, particularly the use of phytoceuticals for regenerative medicine. His research contributions are recognized through numerous esteemed scientific publications and patents.

About Fergusson College (Autonomous):

Fergusson College, established in 1885, is one of the leading educational institutions in India, renowned for its commitment to academic excellence and the holistic development of its students. Located in Pune, Maharashtra, Fergusson College offers a diverse range of undergraduate and postgraduate programs, fostering a culture of intellectual growth and research.

Proposal discussions with Dr. S S Lal

On 11/09/23, renowned public health specialist Dr S S Lal- (Professor & Head – Public Health, Global Institute of Public Health, Trivandrum & President, Global Foundation of Health & Hygiene) made a visit to Pushpagiri Research Centre. The primary agenda of visit was to discuss potential funding opportunities in the field of public health. Dr S S Lal emphasized the importance of investing in public health initiatives and highlighted several areas that could significantly benefit from increased funding especially in research related to TB. The need for professional writing while submitting the proposals to funding agencies was stressed upon.

Later Dr Sherin (Pushpagiri College of Dental Science) & Dr Betsy A Jose presented project proposals from the field of oral health & public health respectively. Dr S S Lal critically reviewed those proposals and gave his valuable inputs on how to make it more acceptable for funding agencies.

The meeting with the public health specialist provided valuable insights into how to approach funding agencies for various public health initiatives. The meeting was attended by Rev Dr Mathew Mazhavancheril, Director PRC and other PRC faculty along with faculty from Medical College and Dental college



Congratulations



Dr. Aniket Naha has successfully completed his Doctorate Degree (Ph.D.) on September 25, 2023, under the novel guidance and esteemed supervision of Prof. (Dr.) Anand Anbarasu and Prof. (Dr.) Sudha Ramaiah from the Department of Biomedical Sciences, School of Bio Sciences and Technology (SBST), Vellore Institute of Technology (VIT), Vellore. Dr. Aniket's thesis work entitles "Systems Biology and Structural Bioinformatics to Elucidate Novel Therapeutic Biomarkers and Effective Lead Molecules Against Priority Pathogens". He has worked extensively in the fields of Clinical Microbiology and Bioinformatics from Christian Medical College and Hospital (CMC&H) Vellore and Medical and Biological Computing Laboratory, SBST, VIT – Vellore. Till date he has published several Research articles, Review papers and Book Chapters in International peer-reviewed journals of repute acquiring a cumulative Impact factor of 53.4 and h-index of 8




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ORIGINAL ARTICLE

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Knowledge of the monkeypox 2022 outbreak among dental hygienists and students in Saudi Arabia: A cross-sectional study

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Abstract

Objective: This study aimed to assess the knowledge of monkeypox infection among dental hygiene professionals and students in Saudi Arabia.

Methods: A cross-sectional study was conducted among a convenience sample of dental hygiene professionals ($n=259$). The questionnaire was developed based on previous literature, and descriptive analysis and a Chi-square test were performed.

Results: A total of 159 dental hygienists responded to the questionnaire. Results indicated that only 1.7% had good knowledge, 7.7% had moderate knowledge and 90.6% had low knowledge of the monkeypox outbreak. The mean knowledge scores varied among dental hygiene students, practitioners and faculty members. Significant group differences were observed for some questions ($p < 0.05$).

Conclusion: Our study concludes that dental hygienists had moderate to low level of knowledge of the monkeypox infection and its implications for oral health and patient care, indicating a need for more education on the subject.

KEYWORDS

Original Research Article

PREVALENCE OF HYPOMAGNESEMIA IN TYPE 2 DIABETIC PATIENTS ATTENDING A TERTIARY CARE HOSPITAL IN SOUTH INDIA- A CROSS SECTIONAL STUDY

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Conflict of Interest: None declared

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Abstract

Background: Type 2 Diabetes Mellitus is one of the most common diseases encountered globally. It is also associated with an increased risk of development of microvascular, macrovascular diseases or both. Magnesium (Mg) is supposed to have some role in glycaemic control in Type 2 diabetes and also with the disease progression. Magnesium depletion is said to have a negative impact on glucose homeostasis and insulin sensitivity in patients with type 2 diabetes. The present study was conducted to estimate serum magnesium levels in type 2 diabetic patients and find any correlation between the two. **Materials and Methods:** The study was conducted in 500 type 2 diabetic patients. Subjects

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SYNTHESIS, CHARACTERIZATION AND ANTIBACTERIAL EVALUATION OF NOVEL 1-(PYRIDINE-2YL)-3H-PYRAZOLE-5-CARBOXAMIDE DERIVATIVES

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DEPARTMENT OF COMMUNITY MEDICINE

ORIGINAL ARTICLE

Awareness of colorectal cancer risk factors and warning signs in adults in South Kerala: A cross-sectional study

Thomas, Greeshma A.; Kurian, Nisha; Mathew, Elsheba; Mamachen, Serah; John, Jemimah R.

Author Information©

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LETTERS TO EDITOR

Authors' reply to Gurushankari and Kate, and Patil

Kurian, Nisha; Mathew, Elsheba

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DEPARTMENT OF ANATOMY

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