



PUSHPAGIRI RESEARCH CENTRE UPDATES

The recognition of the Pushpagiri Medical Society as a Scientific and Industrial Research Organisation (SIRO) by the Department of Scientific and Industrial Research has been renewed. The renewed recognition will remain valid until 31 March 2029.



सूचना का
अधिकार
RIGHT TO
INFORMATION

दूरभाष/TEL : 26962819, 26567373
(EPABX) : 26565694, 26562133
: 26565687, 26562144
: 26562134, 26562122
फैक्स/FAX : 26960629, 26529745
Website : <http://www.dsir.gov.in>
(आईएसओ 9001:2008 प्रमाणित विभाग)
(AN ISO 9001:2008 CERTIFIED DEPARTMENT)



सत्यमेव जयते

भारत सरकार
विज्ञान और प्रौद्योगिकी मंत्रालय
वैज्ञानिक और औद्योगिक अनुसंधान विभाग
टेक्नोलॉजी भवन, नया महरौली मार्ग,
नई दिल्ली - 110016
GOVERNMENT OF INDIA
MINISTRY OF SCIENCE AND TECHNOLOGY
Department of Scientific and Industrial Research
Technology Bhavan, New Mehrauli Road,
New Delhi - 110016



F.No. 14/590/2011-TU-V

Date: 13th April 2026

The Director
Pushpagiri Medical Society
Pushpagiri Medical College Hospital Campus,
Pathanamthitta,
Tiruvalla – 689101, Kerala

Subject: Renewal of Recognition of Scientific and Industrial Research Organisations (SIROs).

Dear Sir,

This has reference to your application for renewal of recognition of **Pushpagiri Medical Society, Tiruvalla, Kerala** as a Scientific and Industrial Research Organisation (SIRO) by the Department of Scientific and Industrial Research under the Scheme on Recognition of Scientific and Industrial Research Organisations (SIROs), 1988.

2. This is to inform you that it has been decided to accord renewal of recognition to **Pushpagiri Medical Society, Tiruvalla, Kerala** from **01.04.2026 to 31.03.2029**. The recognition is subject to terms and conditions mentioned overleaf.
3. Receipt of this letter may kindly be acknowledged.

Yours faithfully,

(Vinay Kumar)
Scientist - 'F'

Dr. Nebu George Thomas became Editorial Board Member of journal SAP Artificial Intelligence in Dentistry

Dr. Nebu George Thomas has been selected as a member of the Editorial Board of the journal SAP Artificial Intelligence in Dentistry. In this role, he will review and evaluate manuscripts, help define editorial standards, and contribute to the journal's academic and scientific development.

Subject: Editorial Committee Member Certification

This is to certify that **Nebu George Thomas** is a member of the Editorial Board of the journal **SAP Artificial Intelligence in Dentistry**, in the capacity of **Reviewer Board**. You can verify your name in the editorial board list available at the following link: <https://southam.pub/journals/aid.html>

The participation involves reviewing and evaluating manuscripts, collaborating in the definition of editorial criteria, and contributing to the academic and scientific development of the publication. The appointment to the committee is based on demonstrated experience in the field and willingness to contribute to the editorial process in a critical and constructive manner.

The commitment to the responsibilities assumed is appreciated, and continued collaboration during this stage is highly valued.

Sincerely,

Chabely Cruzata
Journal Manager
South American Publishing
journals@southam.pub



Dr. Nebu George Thomas has been appointed as an Adjunct Professor at Mahatma Gandhi University

Dr. Nebu George Thomas has been appointed as Adjunct Professor at the International and Inter University Centre for Nanoscience and Nanotechnology (IIUCNN), Mahatma Gandhi University, Kottayam.

Dr. Aniket Naha as Ph.D Programme Coordinator

Dr Aniket Naha, Scientist at the Pushpagiri Research Centre, has been assigned additional responsibilities as the Ph.D. Programme Coordinator.



Mrs. Nisha Kurian Attended 75th JBIC Meeting

Mrs. Nisha Kurian, Assistant Professor and Incharge of Pushpagiri Centre for Evidence Based Practice attended the 75th JBIC meeting (online) on April 22, 2026 where the new policies, plans and review methodologies were presented by the directors of various JBI sections.

ESTABLISHMENT OF PHARMACEUTICALS LABORATORY AT PUSHPAGIRI RESEARCH CENTRE



A new Pharmaceuticals Laboratory has been established at the Pushpagiri Research Centre to support research and training activities. The laboratory is headed by Dr. Dayana K, Scientist at the Pushpagiri Research Centre.

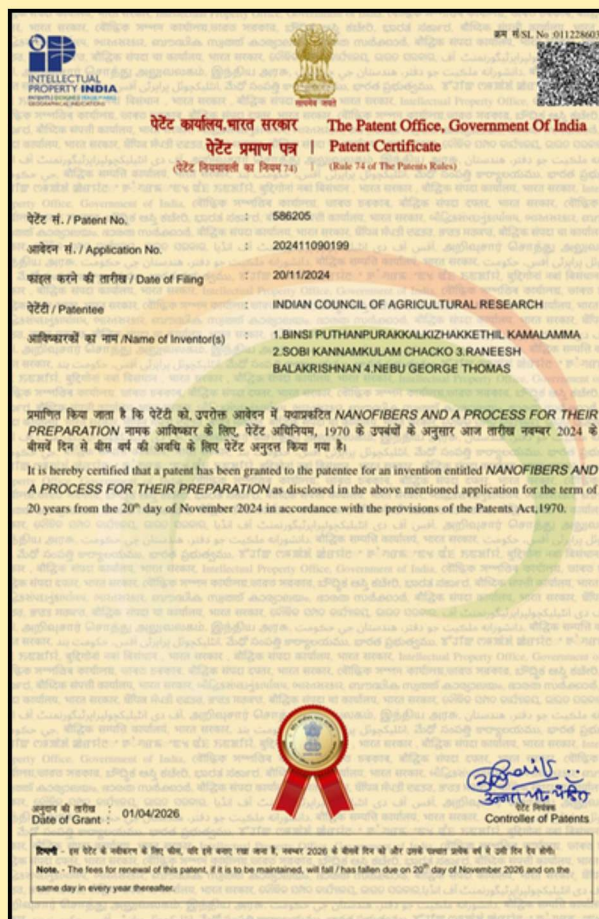
PATENTS

PATENT FOR DEVELOPING A BONE REPAIR SCAFFOLD HAS BEEN AWARDED TO DR. NEBU GEORGE THOMAS AND HIS TEAM.

Kerala-based researchers have secured an Indian patent for their technology titled “Nanofibers and a Process for Their Preparation,” which involves the development of a biocompatible nanofiber scaffold designed to support bone healing and accelerate tissue regeneration. This innovation offers a reliable framework for bone repair, combining enhanced strength with high biological compatibility, making it well-suited for orthopedic applications, guided bone healing, and regenerative medicine.

The patented technology is held by Indian Council of Agricultural Research, which funded the multi-institutional project. The invention was developed by Dr. Binsi P K of the Central Institute of Fisheries Technology, Kochi; Dr. Sobi K Chacko and Dr. Raneesh B of Catholicate College, Pathanamthitta; and Dr. Nebu George Thomas of Pushpagiri Institute of Medical Sciences and Research Centre, Tiruvalla.

Using advanced co-axial electrospinning, the team created a core-shell nanofiber structure with improved mechanical strength, stability, and biological performance. The scaffold is designed to promote cell adhesion, growth, and tissue regeneration. It incorporates hydroxyapatite derived from fish scales provided by the Central Institute of Fisheries Technology into a biodegradable polymer to form the nanofiber scaffold. This scaffold functions like a supportive bandage between bones, enhancing regeneration. Animal studies have been conducted under the Pushpagiri Research Centre.



അസ്ഥി ചികിത്സാ മേഖലയിൽ പുതിയ കണ്ടുപിടിത്തം മലയാളി ഗവേഷക സംഘത്തിന്റെ നാനോ സാങ്കേതിക വിദ്യയ്ക്ക് പേറ്റന്റ്

പത്തനംതിട്ട • അസ്ഥി പുനരുജ്ജീവനത്തിനു സഹായിക്കുന്ന കണ്ടെത്തൽ നടത്തിയ മലയാളി ഗവേഷക സംഘത്തിന്റെ നാനോ സാങ്കേതിക വിദ്യയ്ക്ക് പേറ്റന്റ് ലഭിച്ചു. അസ്ഥി ചികിത്സാ മേഖലയിൽ പുതിയ കണ്ടുപിടിത്തം വലിയ നേട്ടമാകും.

കോ-ആക്സിയൽ ഇലക്ട്രോസ്ഫിന്നിങ്ങ് ഉപയോഗിച്ച് നിർമ്മിച്ച ഈ പ്രത്യേക നാനോ ഫൈബർ സ്കാഫോൾഡ്, അസ്ഥികൾക്കുണ്ടാകുന്ന തകരാറുകൾ പൊട്ടലുകൾ തുടങ്ങിയവ വേഗത്തിൽ സുഖപ്പെടുത്താനും പുതിയ അസ്ഥി കോശങ്ങളുടെ വളർച്ച പ്രോത്സാഹിപ്പിക്കാനും സഹായിക്കും. ഇന്ത്യൻ കൗൺസിൽ ഓഫ് അഗ്രികൾച്ചറൽ റിസർച്ചിന്റെ പേരിലാണ് കണ്ടുപിടിത്തത്തിനു പേറ്റന്റ് നൽകിയത്. ഡോ.പി.കെ.ബിൻസി (സെൻ



ഡോ.പി.കെ.ബിൻസി, ഡോ.സോബി കെ.ചാക്കോ, ഡോ.ബി.രണീഷ് ഡോ.നെബു ജോർജ് തോമസ്.

ട്രൽ ഇൻസ്റ്റിറ്റ്യൂട്ട് ഓഫ് ഫിഷറീസ് ടെക്നോളജി കൊച്ചി), ഡോ. സോബി കെ.ചാക്കോ, ഡോ.ബി.രണീഷ് (ഔതിക ശാസ്ത്ര ഗവേഷണ വിഭാഗം,കാതോലിക്കെറ്റ് കോളജ്, പത്തനംതിട്ട), ഡോ.നെബു ജോർജ് തോമസ്, (പുഷ്പഗിരി ഇൻസ്റ്റിറ്റ്യൂട്ട് ഓഫ് മെഡിക്കൽ സയൻസസ് ആൻഡ് റിസർച്ച് സെന്റർ തിരുവല്ല) എന്നിവരാണ് ഗവേഷക സംഘ

ത്തിൽ ഉള്ളത്. കോശങ്ങളുടെ വളർച്ചയ്ക്കും ടിഷ്യൂ വികസനത്തിനും പുതിയ കണ്ടുപിടിത്തം ഏറെ പ്രയോജനകരമാണെന്നു ഗവേഷകർ പറയുന്നു. നാനോടെക്നോളജി, മെറ്റീരിയൽ സയൻസ്, ബയോമെഡിക്കൽ എൻജിനീയറിങ് മേഖലകളിലെ ഗവേഷണങ്ങൾക്ക് പുതിയ കണ്ടുപിടിത്തം സഹായകമാകും.

HEALING INNOVATION

Kerala researchers develop bone-repair scaffold



Dr Binsip K



Dr Sobi K Chacko



Dr Raneesh B



Dr Nebu George Thomas

SOVI VIDYADHARAN @TPuram

PROVIDING a reliable framework for bone healing, Kerala-based researchers have secured an Indian patent for inventing a biocompatible nanofiber scaffold that can speed up bone regeneration and tissue repair.

Developed using advanced electrospinning, the technology combines greater strength with high compatibility, making it suitable for orthopedic care, guided bone healing, and regenerative medicine, with potential to improve recovery and reduce complications.

The patent, 'Nanofibers and a Process for Their Preparation', was granted earlier this month. It is held in the name of the Indian Council of Agricultural Research (ICAR), New Delhi, which funded the multi-institutional research.

The invention was developed by Dr Binsip K of the Central Institute of Fisheries Technology, Kochi; Dr Sobi K Chacko and Dr Raneesh B of Catholicate College, Pathanamthitta; and Dr Nebu George Thomas of Pushpagiri Institute of Medical Sciences and Research Centre, Tiruvalla.

The team used a co-axial electrospinning to create a core-shell nanofiber structure that offers enhanced mechanical strength, stability and biological performance. The scaffold is designed to support cell adhesion, proliferation and tissue growth. Hydroxyapatite derived from fish scales, that was the raw material for nanofiber scaffold, was supplied by CIFT.

"After obtaining the hydroxyapatite from CIFT, it was incorporated to a biodegradable polymer and converted to nanofiber format so that it can be placed in between bones. It acts like a bandage and the fillers enhance regeneration," explained Raneesh. The animal tests were conducted under the aegis of Pushpagiri Institute.

Researchers said the technology could find wide application in bone tissue engineering and regenerative medicine. "Once all clearances are obtained, the animal models can be used for human trials. It involves a lot of processes for which Pushpagiri Institute could take the lead," Raneesh said, adding that partnership with pharmaceutical majors could be crucial making it a reality.

PUBLICATIONS

1. Sadeesh, E. M., Singh, P., Lahamge, M. S., Ampadi, A. N., & Mohiddin, R. (2026). Comparative Transcriptome Analysis Reveals Tissue-Specific Expression and Conservation of Mitochondrial Metal and Cofactor Genes in Buffalo. *Cell Biochemistry and Biophysics*, 1-20.

Cell Biochemistry and Biophysics

<https://doi.org/10.1007/s12013-026-02071-7>

ORIGINAL PAPER



Comparative Transcriptome Analysis Reveals Tissue-Specific Expression and Conservation of Mitochondrial Metal and Cofactor Genes in Buffalo

E.M Sadeesh¹ · Pratiksha Singh¹ · Madhuri S. Lahamge¹ · A.N. Ampadi¹ · Roshan Mohiddin¹

Accepted: 3 April 2026

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Abstract

Mitochondrial function relies heavily on metal ions and metabolic cofactors that support oxidative phosphorylation and essential enzymatic processes. However, the tissue-specific regulation of these pathways remains poorly understood in large ruminants. This study performed a comprehensive transcriptomic analysis of nuclear-encoded mitochondrial genes involved in metal ion and cofactor metabolism across four physiologically distinct tissues kidney, heart, brain, and ovary in female buffalo. Reanalysis of high-quality RNA-seq data identified 94 genes categorized into 13 functional classes, including those associated with iron-sulfur (Fe-S) cluster assembly, heme biosynthesis, coenzyme A and coenzyme Q metabolism, molybdenum cofactor synthesis, NAD metabolism, carnitine synthesis and transport, copper metabolism, tetrahydrobiopterin synthesis, Fe-S-containing and heme-containing proteins, and other metal-associated mitochondrial processes, revealing pronounced tissue-specific expression patterns. High-energy-demand tissues such as the heart and brain exhibited elevated expression of genes linked to iron handling, coenzyme Q biosynthesis, and oxidative metabolism, consistent with their sustained bioenergetic requirements. In contrast, the kidney showed selective enrichment of genes involved in molybdenum cofactor synthesis and NAD metabolism, reflecting its specialized roles in detoxification and metabolic homeostasis. The ovary displayed comparatively moderate mitochondrial metal and cofactor gene expression, aligned with its reproductive and steroidogenic functions. Functional enrichment analyses further confirmed that mitochondrial metal- and cofactor-dependent pathways are finely tuned according to organ-specific metabolic demands. Cross-species comparison with human transcriptomic data demonstrated strong conservation of tissue-level expression profiles, highlighting the evolutionary stability of mitochondrial metallome regulation. Collectively, these findings provide new insights into organ-specific mitochondrial adaptations in buffalo and establish a molecular framework for understanding metal-dependent mitochondrial function with potential translational relevance to metabolic health and disease.

CONFERENCES AND COMPETITIONS

Registrations initiated for Bioradiance 2026: Bridging Biology, Medicine, and Biotechnology

Bioradiance 2026 is the 14th edition of the prestigious international conference series organized by the Pushpagiri Research Centre. With the theme “Life Tech Conference: Bridging Biology, Medicine and Biotechnology,” the event serves as a dynamic interdisciplinary platform for scientists, healthcare professionals, and students to explore cutting-edge developments in biomedical sciences and related fields.

The conference is scheduled to be held on 29th and 30th May, 2026 at the Senate Hall, Pushpagiri Institute of Medical Sciences and Research Centre, Tiruvalla. Bioradiance 2026 will cover a broad range of topics, including the 3Rs principle in translational research, smart biomaterials, precision oncology, infectious diseases, bioinformatics, and tissue engineering. For wider accessibility, Bioradiance 2026 will also provide an online participation option for those unable to attend in person. The conference will feature distinguished international speakers, including Dr. Vineeth Vijayan, Dr. Avneesh Chopra, Prof. Christian Demitri, and Dr. Fernando Gomes de Souza Junior.

Early-bird registration for Bioradiance 2026 will close on 1st May 2026, while late registration will remain open until 20th May 2026. The last date for abstract submission is 15th May 2026.

Registration Link: <https://forms.gle/1MUmbA5LbCGEHBsf8>

For more details, participants may contact:

Dr. Ampadi A N, Organizing Secretary

Mobile: +91 8921667742

Email: [bioradiance2026@pimsrc.edu.in](mailto: bioradiance2026@pimsrc.edu.in)

Fee Details attached below

Participation Type	Participation category	Early Bird (Up to 1-30-2026)	Late Registration (Up to 20-05-2026)	Spot Registration
Day 1 (29-05-2026) Laboratory Animal Research Workshop				
Participation (Online)	Student: BSc/MSc/UG/PG/PhD	₹500 (₹ 3.5)	₹500 (₹ 3.5)	NIL
	Research	₹500	₹500	NIL
	Scholar/MS/PhD/PG/UG/Post Doctoral Fellow/ Faculty/Scientist/ Industry	₹1,800 (₹ 13.5)	₹1,300 (₹ 9.5)	NIL
Participation (Offline)	Student: BSc/MSc/UG/PG/PhD	₹900	₹500	₹700
	Research	₹900	₹500	₹700
	Scholar/MS/PhD/PG/UG/Post Doctoral Fellow/ Faculty/Scientist/ Industry	₹3,000 (₹ 21.5)	₹2,500 (₹ 18)	₹2,000 (₹ 14.5)
Participation in Innovative idea contest (Online Competition)	Student: BSc/MSc/UG/PG/PhD	₹500 (₹ 3.5)	₹500 (₹ 3.5)	NIL
	Research	₹500	₹500	NIL
	Scholar/MS/PhD/PG/UG/Post Doctoral Fellow/ Faculty/Scientist/ Industry	₹1,800 (₹ 13.5)	₹1,300 (₹ 9.5)	NIL
Day 2 (30-05-2026) Life science conference with oral & poster competitions				
Participation (Online)	Student: BSc/MSc/UG/PG/PhD	₹500 (₹ 3.5)	₹500 (₹ 3.5)	NIL
	Research	₹500	₹500	NIL
	Scholar/MS/PhD/PG/UG/Post Doctoral Fellow/ Faculty/Scientist/ Industry	₹1,800 (₹ 13.5)	₹1,300 (₹ 9.5)	NIL
Participation (Offline)	Student: BSc/MSc/UG/PG/PhD	₹900	₹500	₹700
	Research	₹900	₹500	₹700
	Scholar/MS/PhD/PG/UG/Post Doctoral Fellow/ Faculty/Scientist/ Industry	₹3,000 (₹ 21.5)	₹2,500 (₹ 18)	₹2,000 (₹ 14.5)
Participation in Oral/Poster competition	Student: BSc/MSc/UG/PG/PhD	₹500 (₹ 3.5)	₹500 (₹ 3.5)	NIL
	Research	₹500	₹500	NIL
	Scholar/MS/PhD/PG/UG/Post Doctoral Fellow/ Faculty/Scientist/ Industry	₹1,800 (₹ 13.5)	₹1,300 (₹ 9.5)	NIL

ORGANIZING COMMITTEE

Patrons

- H.G. Most Rev Dr. Thomas Mar Koorilos, Metropolitan Archbishop of Tiruvalla
- Rev Dr. Biju Varghese, CEO, Pushpagiri Group of Institutions

Chairman

- Rev Dr. Mathew Mazhavancheri, Director, Pushpagiri Medicality & Pushpagiri Institute of Medical Sciences & Research Centre (PIMS & RC)

Convenors

- Fr. Mathew Thandiyil, Director, Marketing & Accreditations, Pushpagiri Medical Society
- Fr. John Padipurackal, Director, Finance, Pushpagiri Medical Society
- Fr. Mathew Puthenpurayil, Director, Pushpagiri College of Nursing
- Dr. Reena Thomas, Principal, PIMS & RC
- Dr. M.O. Annamma, Principal, Pushpagiri College of Allied Health Sciences
- Dr. Devadathan A, Principal, Pushpagiri College of Dental Sciences
- Dr. Santhosh Mathew, Principal, Pushpagiri College of Pharmacy
- Dr. Abraham Varghese, Medical Superintendent, PIMS & RC
- Prof. Mrs. Vineetha Jacob, Principal, Pushpagiri College of Nursing

Co-Convenors

- Dr. Vikram Gowda, Vice Principal, PIMSRC
- Dr. Santosh Pillai, Vice Principal, PIMSRC
- Dr. Gaddam Vijayalakshmi, Vice Principal, PIMSRC
- Dr. Jacob Abraham, Vice Principal, PIMSRC

Organizing Secretary

- Dr. Ampadi A N (Veterinary Officer, PIMS & RC)

Committee Members

- Dr. Ajay Krishnan U, Scientist, PRC
- Dr. Aniket Naha, Scientist, PRC
- Dr. Betsy A Jose, Assistant Professor, PRC
- Dr. Dayana K, Scientist, PRC
- Mr. George Varghese, Assistant Professor, PRC
- Dr. Nebu George Thomas, Professor and Scientist, PRC
- Mrs. Nisha Kurian, Assistant Professor, PRC
- Dr. Reeba Mary Isaac, Assistant Professor, PRC
- Dr. Soumya R.S, Scientist, PRC
- Mr. Jacob P Ouseph, Secretary, PRC
- Mr. Nikhil Krishnan, RA-PRC
- Dr. Praveen K M, Associate Professor, Chinmaya Vishwa Vidyapeeth
- Dr. Suvanish Kumar, Assistant Professor, Chinmaya Vishwa Vidyapeeth
- Dr. Sasi Kumar, Professor, Dept of Chemistry, VIT

Contact Details

For queries and concerns, contact: [bioradiance2026@pimsrc.edu.in](mailto: bioradiance2026@pimsrc.edu.in)
Dr. Ampadi A N
 Phone/WhatsApp: +918921667742
 Email: [drampadiand@pimsrc.edu.in](mailto: drampadiand@pimsrc.edu.in), [bioradiance2026@pimsrc.edu.in](mailto: bioradiance2026@pimsrc.edu.in)
 Official Website: <https://www.prc.pushpagiri.in>
 Nearest Airport: Kochi (123 km) & Trivandrum International Airport (130km)
 Nearest Railway Station: Tiruvalla (TRVL) (1.6 km)
 Nearest Bus Station: Tiruvalla KSRTC (1.6 km)



**14th International Conference
Bioradiance 2026**



Theme:
"Life Tech Conference:
Bridging Biology, Medicine
and Biotechnology"

**Organizers:
Pushpagiri Research Centre (PRC)**
 Event Dates: 29 & 30th May 2026
 Venue: Senate Hall

**Pushpagiri Institute of Medical Sciences &
Research Centre (PIMS & RC)**
 Tiruvalla, Kerala

FOR CONFERENCE REGISTRATION → 

<https://forms.gle/1MUmbA5LbCGEHBsf8>

Abstract Submission
 Send your abstract in prescribed format to [bioradiance2026@pimsrc.edu.in](mailto: bioradiance2026@pimsrc.edu.in)
Format Requirements: Title, Author name, Affiliation, Abstract (300 words)
Important Deadline: Last date for abstract submission: May 15, 2026.
Note:
 The abstracts received prior to or on the last date will be included for publication in the Conference Proceedings.

Pushpagiri Research Centre (PRC)

Pushpagiri Research Centre (PRC) was established in 2010 as a Medical Research Centre that serves as the 'Central Research Facility' for various institutions under Pushpagiri Medical Society. PRC fosters in sustainable therapeutic regimens translating clinical research into innovative products, patents and publications in peer reviewed journals. PRC is an approved Ph.D. centre by Kerala University of Health Science (KUHS), India. The Centre is also recognized as a Scientific and Industrial Research (SIRO) by the Department of Scientific and Industrial Research (DSIR) under the Ministry of Science and Technology, Govt. of India. Bioradiance is the annual conference series of PRC that serves as a beacon of research excellence for the Centre.

Bioradiance 2026

"Life Tech Conference: Bridging Biology, Medicine and Biotechnology"

Pushpagiri Research Centre (PRC), proudly presents the 14th International Conference – Bioradiance 2026. This prestigious event will serve as a dynamic platform for scientists, researchers, healthcare professionals, and students to explore cutting-edge advancements in laboratory animal science, molecular biology, nanoscience, cancer biology, neurodegenerative disease, immunology, precision medicine, dentistry, pharmacology etc.

With the theme "Life Tech Conference: Bridging Biology, Medicine and Biotechnology", Bioradiance 2026 aims to foster interdisciplinary discussions that translate fundamental biochemical discoveries into clinical and therapeutic applications. The conference will feature keynote lectures, oral and poster presentations, bringing together leading experts to address contemporary challenges and innovations in biomedical sciences. We invite researchers, academicians, and industry professionals to participate, present their findings and collaborate towards advancing global healthcare solutions.

Thrust Areas

The conference covers a broad spectrum of biomedical and life sciences, including:

- Translational Research & the 3Rs Principle
- Smart Biomaterials & Regenerative Dentistry

- Precision Oncology & Pharmacogenomics
- Bioinformatics & Computational Life Sciences
- Advanced Immunology & Infectious Diseases
- Tissue Engineering & Polymeric Scaffolds
- Mitochondrial Bioenergetics & Functional Landscape
- Advanced Analytical Chemistry & Hyphenated Techniques
- Molecular Biology & Genetic Engineering
- Comparative Anatomy & Species-Specific Research

Who can Participate?

- Students: Undergraduate, Postgraduate, and Doctoral students in Life Sciences, Medicine, and Allied fields.
- Researchers: Postdoctoral researchers and scientists in Biomedical, Biochemical, and Clinical research.
- Academics: Faculty members and academicians from universities and research institutions.
- Medical Professionals: Clinicians interested in translational and therapeutic research.
- Industry & Policy: Representatives from Pharmaceutical, Biotech, and Healthcare sectors; Policy Makers and Government funding representatives.
- Community: NGOs and Community Health Workers.

Accommodation

The Participants can opt the following accommodation facilities available near to the institute

Sl.no	Hotel name	Available room Options with rate/day	Contact details
1.	Bodhana	Dormitory (Gents) 175/- per head Dormitory (Ladies) 175/- per head Sharing Room 500/- per head	bodhana.hr@gmail.com Ph: +91 96376 90448 +91 94005 02740
2.	Sandhinayam	Sharing room: 420 Single room: 640	Ph: +91 8078390259 +91 94005 02740

For stay related assistance : Mr Nikhil Krishnan (Ph: +91 81138 42267)

PROGRAMME SCHEDULE		
Day 1: Laboratory Animal Research Work Shop (29.05.2026 Friday)		
Time	Details	Speaker
9:30-1:40 pm	Technical session (Senate Hall)	Full details attached below
9:30-10:30 am	Multiscale Design of Polymeric Scaffolds for Bone Tissue Engineering	Dr. Viswesh Vijayan (Assistant Professor) Department of Biomedical Science, School of Biotechnology, VIT-AP
10:30-11:40 am	Ethical Considerations and 3Rs (Replacement, Reduction, Refinement) in Translational Research	Dr. Sachin Sharma (Assistant Prof) Division of In-vivo Models and Testing, Department of Applied Biology, Sri Chitra Trust Institute of Medical Science and Technology, Mysore, Karnataka, India.
10:40-11:20 am	Comparative Anatomy of Key Lab Species: Insights into Rods, Mice, Rabbits, and Guinea Pigs	Dr. Harshad Patil (Assistant Professor) Dept. of Veterinary Anatomy and Histology, Kavayitri Neelam Sanjivani Veterinary and Animal Sciences University, Maharashtra, India.
11:20am-12:00 pm	Feeding Strategies for Laboratory Animals: Reducing Diet and Water Use	Dr. Niju Chacko (Professor & Head) Dept. of Animal Nutrition, Breeds, Veterinary and Animal Sciences University, Marathwada, India.
12:00-12:40pm	Practical Evaluation of Biomaterials in-vivo Models	Dr. Nedu George Thomas (Scientist) Dept. of Biomedical, Postgraduate College of Dental Science, Maharashtra, India.
12:40-1:40 pm	Lunch Break	
1:40-2:20 pm	Decoding the Mitochondrial Functional Landscape: Stochastic and Biogenic Insights from Our Ancestral Hades	Dr. Sudeesh EM (Senior Scientist) Animal Biotechnology Division, National Dairy Research Institute, Karnal, Haryana
2:20-3:00 pm	Microbial cellulose based formulations for wound healing	Dr. Suresh Peddannaiah (Assistant Prof) Department of Engineering for Innovation, University of Kerala, India.
3:00-3:40 pm	Biomedical Polymers and Implants: A Clinical Viewpoint	Dr. Rajin Abraham (Senior Consultant & HOD) Dept. of Neurology, Indira Gandhi Medical College Hospital, Maharashtra, India.
10:00am-2:00pm	Innovative Idea Session competition (S&I Lab)	
Day 2: Life Science Conference with oral & Poster Competitions (30.05.2026 Saturday)		
Time	Details	Speaker
9:00am-10 am	Official inauguration	
10am-3:00 pm	Technical session (Senate Hall)	Full details attached below
10:30-11:40 am	Advances in Immunology and Infectious Diseases	Dr. Ramesh Nachimuthu (Associate Professor) Department of Biomedical Science, School of Biotechnology and Biotechnology, VIT-AP Institute of Technology
10:40-11:20 am	Pharmacogenomics in Oncology: Matching drugs to Molecular Identities	Dr. Mahesh George (Professor) Centre for Clinical Pharmacology
11:20am-12 pm	India-German Collaboration in Dental Genetics: Translational Perspectives from Genetic Risk to Biomarker Discovery	Dr. Ravi Nair, Animesh Chopra (Scientists) Charité - Universitätsmedizin Berlin, Department of Periodontology, Oral Medicine and Oral Surgery
11-12:40pm	Bioinformatics and Computational Life Sciences	Dr. Anand Achuthan (Professor & Associate Dean) Medical & Biological Computing Laboratory, VIT-AP Institute of Technology VIT-AP
12:40-1:40 pm	Lunch Break	
1:40-2:20 pm	Design of smart materials for biomedical applications	Prof. Christian Dembiri (Associate Professor) Department of Engineering, Birla Institute of Science
2:20-3:00 pm	Mapping Translational Life Sciences: A Seven-Step Journey: Knowledge Mining of Biomaterials, Regenerative Medicine and Clinical Applications	Dr. Fernando Gomes de Sousa Junior (Professor & Senior Lect) - Biomaterials Institute - Universidade Federal do Rio de Janeiro
3:00-2:00 pm	Technical session: Oral and poster presentation competition (S&I Lab)	
3:00-4:00 pm	Voluntary Function	

SYNAPSE: THE PRC INNOVATION BRIDGE-INNOVATIVE IDEA SESSION (ONLINE COMPETITION) (PART OF THE 14TH INTERNATIONAL CONFERENCE – BIORADIANCE 2026)

The Pushpagiri Research Centre is proud to announce the launch of SYNAPSE, a dedicated platform for young innovators in Biotechnology, Healthcare, and Laboratory Animal Research. SYNAPSE is designed to bridge the gap between scientific hypotheses and real-world infrastructure, enabling early-stage innovators in life sciences to translate ideas into practical research outcomes.

The competition is structured into three progressive stages:

1. Phase 1 – The Neural Spark: An online pitch consisting of a 3-page concept note and a 3-minute video pitch. Submissions must be completed by May 15, 2026.
2. Phase 2 – The Action Potential: Finalists will deliver an online presentation (5 minutes) followed by a 3-minute Q&A session on May 25, 2025.
3. Phase 3 – The Synaptic Jump: The final award stage for the top innovators.

This initiative is open to graduates and postgraduates in life sciences, health sciences, and related disciplines. Selected participants will receive a “Golden Ticket”, offering a free research residency at PRC’s laboratories of choice, including the newly renovated Animal House and advanced diagnostic facilities.

To further support innovation, financial research grants will be awarded:

First Prize: ₹25,000 research grant

Second Prize: ₹20,000 research grant

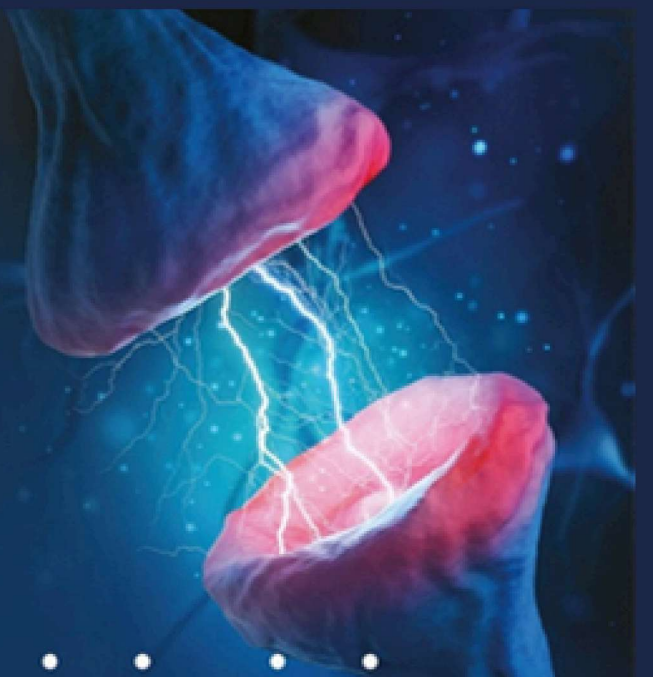
For registration, applicants can apply via: <https://forms.gle/3JQLhiPbXNs6M1CFA>

For more details, participants may contact:

Dr. Ampadi A N, Organizing Secretary

Mobile: +91 8921667742

Email: [bioradiance2026@pimsr.edu.in](mailto: bioradiance2026@pimsr.edu.in)



Scientific Thrust Areas for Innovation

- COMPUTATIONAL DRUG DISCOVERY & NEXT-GENERATION THERAPEUTICS
- TRANSLATIONAL REGENERATIVE MEDICINE & BIOMATERIAL EFFICACY PROFILING
- CLINICAL EPIDEMIOLOGY & DIGITAL PUBLIC HEALTH INTERVENTIONS
- PHYTO-PHARMACOLOGY & NUTRACEUTICAL DEVELOPMENT
- DIAGNOSTIC & THERAPEUTIC STRATEGIES FOR EMERGING INFECTIOUS DISEASES
- MOLECULAR PATHOGENESIS & TARGETED THERAPEUTICS FOR METABOLIC DISORDERS
- ETHICAL INNOVATIONS IN PRE-CLINICAL IN VIVO MODELING

SYNAPSE

THE PRC INNOVATION BRIDGE

Where Your Hypothesis Meets Our Infrastructure

AS PART OF BIORADIANCE 2026: The Pushpagiri Research Centre (PRC) is launching SYNAPSE—a unique, YIP-modelled platform for young innovators in biotechnology, Healthcare, and Laboratory Animal Research.

WHO CAN PARTICIPATE: Graduates & Post Graduates of Life Science and Related Fields.



14TH INTERNATIONAL CONFERENCE
BIORADIANCE 2026

PHASE 1-THE NEURAL SPARK: ONLINE PITCH

(3-Page Concept Note + 3 Minute Video Pitch. Submit on or before: 15-05-2026)

PHASE 2-THE ACTION POTENTIAL: ONLINE PRESENTATION for Finalists (5 Minutes)

Presentation + 3 Minutes Q&A on 25-05-2025)

PHASE 3-THE SYNAPTIC JUMP: THE PRIZE: FREE RESEARCH RESIDENCY at Your Lab of Choice

at Pushpagiri Research Centre with a RESEARCH GRANT Worth ₹25,000 (First Prize) ₹20,000 (Second Prize) to Conceptualize Your Idea.

THE WINNERS RECEIVE THE 'GOLDEN TICKET':

A Free Research Residency at our world-class facilities, including the NEWLY RENOVATED ANIMAL HOUSE and advanced diagnostic labs.

FOR REGISTRATION



<https://forms.gle/3JcUlnP0XN6dM1CFA>

Contact Details

For queries and concerns, contact
biordance2026@pimrc.edu.in

Dr. Ampal A N (Organizing Secretary)

Phone/WhatsApp: +918921667742

Email: drampal@pimrc.edu.in

biordance2026@pimrc.edu.in

Official Website: <https://www.prc.pushpagiri.in>