# PERIYAR UNIVERSITY

(NAAC A\*\* Grade with CGPA 3.61 (Cycle-3) (State University - NIRF Rank 59 - NIRF Innovation Band of 11-50) Salem-636 011, Tamil Nadu, India

Organized by

# DEPARTMENT OF CHEMISTRY

(Supported by DST-FIST & UGC-SAP)

INTERNATIONAL CONFERENCE ON

BIOMATERIALS FOR ADVANCED

**BIOLOGICAL APPLICATIONS** 

(BABA-2024)

(14, 15 & 16 February 2024)



### **ORGANIZING COMMITTEE**

#### **Chief Patron**

Prof. R. Jagannathan, Hon'ble Vice-Chancellor, Periyar University

Dr. K. Thangavel, Registrar (FAC), Periyar University

#### Chairman

Dr. V. Raj, Professor & Head, Department of Chemistry, Periyar University

#### **Convener & Organizing Secretary**

Dr. R. Rajavel, Professor of Chemistry, Periyar University

#### **Co-Organizing Secretaries**

Prof. P. Viswanathamurthi

Prof. D. Gopi

Prof. A. Lalitha

Dr. V. Sujatha, Associate Professor

Dr. K. Shanmuga Bharathi, Assistant Professor

### INTERNATIONAL SCIENTIFIC ADVISORY COMMITTEE

Prof. Rui Fausto, Habilitation University of Coimbra, Portugal

Prof. Irena Kostova, D.Sc, Medical University-Sofia, Bulgaria Prof. Giovanni Neri, University of Messina, Italy

Prof. Hiroshi Tamura, Kansai University, Japan

Prof. Mar Masson, University of Iceland, Iceland

Prof. Nathanial S. Hwang, Seoul National University, South Korea

Prof. In-Kyu Park, Chonnam National University Medical School, South Korea

Prof. Joel D Bumgardner, University of Memphis, USA

Prof. Mohammad Nasir Uddin, University of Chittagong, Bangaladesh Prof. Shu-Pao Wu, National Yang Ming Chiao Tung University, Taiwan

Prof. Liviu Mitu, University of Pitesti, Romania

Prof. Minyoung Yoon, Kyungpook National University, Republic of Korea

Prof. Kyoung-Ha so, Seoul National University, Korea

# NATIONAL SCIENTIFIC ADVISORY COMMITTEE

Prof. R. Jagannathan, Vice-Chancellor, Periyar University, Salem, Tamil Nadu, India

Dr. (Mrs.) N. Kalaiselvi, Director General, CSIR & Secretary, DSIR New Delhi Prof. M. Krishnan, Vice-Chancellor, Central University of Tamil Nadu, Thiruvarur

Prof. Gurmeet Singh, Vice-Chancellor, Pondicherry University

Prof. M.G. Sethuraman, The Gandhigram Rural Institute, Dindigul, Tamil Nadu Prof. G. Mugesh, IISC, Bengaluru, Karnataka

Prof. Kaushik Ghosh, IIT Roorkee, Uttarakand

Prof. H.S. Bhojya naik, Kuvempu University, Bengaluru, Karnataka

Prof. M.N. Patel, Sardar Patel University, Gujarat

Prof. N. Narasimha Murthy, IIT Chennai, Tamil

Prof. P. Selvam, IIT Chennai, Tamil Nadu.

Prof. N. Rajendran, Anna University, Chennai, Tamil Nadu Prof. K. Pandian, University of Madras, Chennai, Tamil Nadu

Prof. K.P. Elango, The Gandhigram Rural Institute, Dindigul, Tamil Nadu

Prof. N. Dharmaraj, Bharathiar University, Coimbatore, Tamil Nadu

Prof. J. Jayabharathi, Annamalai University, Chidambaram, Tamil Nadu

Prof. C. Kannan, Manonmaniam Sundaranar University, Tirunelveli, Tamil Nadu

Prof. H. Gurumallesh Prabu, Alagappa University, Karaikudi, Tamil Nadu

**Prof. S. Murugesan**, Madurai Kamaraj University, Madurai, Tamil Nadu **Prof. K. Swarnalatha**, Manonmaniam Sundaranar University, Tirunelveli, Tamil Nadu

Prof. R. Ramesh, Bharathidasan University, Trichy, Tamil Nadu

Prof. C. Sivasankar, Pondicherry University, Pondicherry, Tamil Nadu

Prof. C. Sekar, Alagappa University, Karaikudi, Tamil Nadu

Prof. M. Ilanchelian, Bharathiar University, Coimbatore, Tamil Nadu Prof. K. Dinakaran, Thiruvalluvar University, Vellore, Tamil Nadu

Prof. R. Karvembu, NIT, Trichy, Tamil Nadu

Prof. Jayakumar Rangasamy, Amrita Vishwa Vidyapeetham, Kerala Prof. Jayanta Haldar, JNCASR, Bengaluru, Karnataka

Prof. Pradeep C. Parameswaran, IIT Mandi, Himachal Pradesh

Prof. S. Nagarajan, Central University of Tamil Nadu, Thiruvarur

### LOCAL ADVISORY COMMITTEE

Prof. T. Poongodi Vijayakumar, Department of Food Science and Nutrition

Prof. S. Kannan, Department of Zoology

Prof. P. Nazni, Department of Nutrition and Dietetics Prof. T. Palvannan, Department of Biochemistry

Prof. K. Selvam, Department of Botany

Prof. K. Murugesan, Department of Environmental Science

Prof. R. Kavitha, Department of Biotechnology

Prof. A. Murugan, Department of Microbiology Prof. S. Parameshwari, Department of Nutrition and Dietetics

Prof. K.A. Ramesh Kumar, Department of Energy Science and Technology

Prof. S. Lakshmi Manokari, Department of Textiles and Apparel Design

# ABOUT PERIYAR UNIVERSITY

The Government of Tamil Nadu established Periyar University in Salem on 17th September 1997 as per the provision of the Periyar University Act, 1997 by the name of Thanthai Periyar, a great social reformer of Tamil Nadu. The University covers the area comprising four districts namely Salem, Namakkal, Dharmapuri and Krishnagiri. The University obtained 12(B) and 2(f) status from the University Grants Commission, New Delhi and it is reaccredited by the NAAC with A<sup>++</sup> Grade in 2021. The University secured 59<sup>th</sup> rank among Indian Universities in NIRF 2023. Periyar University is the only State University in Tamil Nadu awarded 4 star status (2021-2022, 2022-2023) in IIC. The University aims at developing knowledge in various fields to realize the maxim inscribed with the logo "Arival Vilayum Ulagu" (Wisdom Maketh the World). "Holistic development of the student" is the primary objective of the University.

PERIYAR UNIVERSITY

# ABOUT DEPARTMENT OF CHEMISTRY

The Department of Chemistry was established in the year 2004 to promote the significance and applications of Chemical Sciences to the Society. The department is imparting scientific knowledge among the students at PG level under Choice Based Credit System, besides M.Phil. and Ph.D. programmes on full-time and part-time basis. The department is supported by DST-FIST and UGC SAP. The faculty members in the department actively engaged in frontier areas of research in chemistry. 117 Ph.D and 216 M.Phil Scholars were produced in the department so far. About 667 research papers were published in leading and highly reputed National / International Journals. 25 Major Research projects to the tune of about 7 crores have been completed.

#### **ABOUT THE CONFERENCE**

The International Conference on Biomaterials for Advanced Biological Applications (BABA-2024) is a premier global event dedicated to foster scientific research and innovation in the field of biomaterials. With the growing demand for sustainable and high-performance biomaterials, BABA-2024 aims to bring the experts from academia, industry and government sectors together to discuss cutting-edge discoveries, breakthrough technologies, and potential applications.

#### CONFERENCE HIGHLIGHTS

- Keynote Addresses by Renowned Experts
- Plenary Sessions on Emerging Biomaterials Trends
- Oral and Poster Presentations with Interactive Sessions

# MAJOR AREAS FOCUSED

- **Bioactive Materials and Surface Modification**
- Biochemistry and Molecular Biology Biodegradable Polymers and Sustainable Biomaterials
- **Bioinorganic Materials**
- Bioinspired and Biomimetic Materials Biomaterials for Tissue Engineering and Regenerative Medicine •
- Biomaterials in Biotechnology

Biomaterials in Dental and Orthopaedic Applications

- **Green Materials**
- - Hydrogels

**Biosensors** 

Cancer Therapy

**Drug Delivery** 

**Bioorganic Materials** 

- Magnetic Materials
- Nanomaterials in biomedical Applications

# **CALL FOR ABSTRACTS**

We invite academicians, scientists, scholars and researches to submit the abstracts of their original research work. Selected abstract will be allowed for oral /poster presentation. Selected oral presenters will be provided with second class sleeper train fare. Please visit our university events website for the poster template and submission guidelines.

## IMPORTANT DATES

1<sup>st</sup> Announcement -NOV 09, 2023 Registration Starts -NOV 22, 2023 Registration Deadline -FEB 05, 2024 Abstract Starts - NOV 22, 2023 Abstract Deadline - FEB 05, 2024

# **REGISTRATION FEES (WITH 18% GST)**

Indian students Indian scholars :₹1500 Indian industrial persons/faculties :₹1600 :\$40 Overseas scholars Overseas industrial persons/ Faculties: \$70

#### Registration: <a href="https://forms.gle/G7jce3ytYv1FYNGD6">https://forms.gle/G7jce3ytYv1FYNGD6</a> babaconf2024@gmail.com +919865094324

Join us at BABA-2024 and be part of the future of biomaterials! Register now and reserve your place at this transformative event.

### ACCOUNT DETAILS Account Holder's Name

: THECONVENER BABA 2024 Account Number :110153699470 **Bank Name** : Canara Bank Branch : Periyar University IFSC Code : CNRB0008450

# **INVITED SPEAKERS**

Prof. Irena Kostova, Medical University of Sofia, Bulgaria Prof. Nathaniel S. Hwang, Seoul National University, South Korea. Prof. Rajeev Gupta, University of Delhi, Delhi Prof. Mohanbhai N. Patel, Sardar Patel University, Gujarat

Prof. K. Pandian, University of Madras, Tamil Nadu Dr. Shin Yong-Woo, CEO, DOF Co. Ltd, South Korea Prof. N. Rajendran, Anna University, Tamil Nadu

Prof. A. Nirmala, VIT-Vellore, Tamil Nadu Dr. Kyoung-Ha So, Research Professor, Seoul National University, Republic of Korea

Prof. Ajay Kumar Misra, Vidyasagar University, West Bengal Prof. R. Jayakumar, Amrita Vishwa Vidyapeetham, Kerala Dr. R. Mayil Murugan, Indian Institute of Technology-Bhilai,

Prof. N. Dharmaraj, Bharathiar University, Tamil Nadu

#### **Address for Communication** Prof. R. RAJAVEL

Convener & Organizing Secretary, BABA-2024 Department of Chemistry, Periyar University, Salem-636 011 Mobile: +91 9865094324, +91 98439 15660 E-mail: babaconf2024@gmail.com

### DISCOVER SALEM

Explore the vibrant and culturally rich city of Salem. It is Known for its historical landmarks, exquisite cuisine, and warm hospitality, promises to be a delightful destination for your conference experience. Take the opportunity to connect with colleagues in a relaxed setting and create lasting memories during the social events planned throughout the conference.

### **NEAR BY ATTRACTION**

