

## DAY 2 (09-01-2023) MONDAY

Session 3 : 9.30 - 11.00 am

### Modern Trends in Bio-Technology

Invited Speaker : **Dr. G S. VINODH KUMAR**

Ph.D, Scientist F, Dept. of Biotechnology, Rajiv Gandhi Centre for Biotechnology, (RGCB) Govt. of India.



Session 4 : 11.00 - 12.30 pm

### Recent Advances in plant polyphenols

Invited Speaker : **Dr. T. R. Satyakeerthy**

Ph.D, Asst. Regional Director, IGNOU Trivandrum Region



Paper Presentations : 1.30 - 2.00 pm

Valedictory Session

### ADVISORY COMMITTEE

**H. G. Kuriakose Mar Clemis Metropolitan (Chief Patron)**

Dr. Philipose Omman, Principal, Catholicate College, Pathanamthitta

Prof. Honey John (Hon. Director, IUCND, CUSAT)

Dr. George Varghese Koppa (Former Principal, Catholicate College & Member Governing Board)

Prof. G. Unnikrishnan, Professor in Chemistry, NIT, Calicut

Dr. K. Santhosh Kumar (Former Dean & Scientist G) RGCB Thiruvananthapuram.

Prof. Nisha T.P., Post Doctoral Fellow, (IUCND, CUSAT)

Prof. Renny P. Varghese, IQAC Co-ordinator, HOD Dept. of Mathematics, Catholicate College, Pathanamthitta

### ORGANIZING COMMITTEE

**Dr. Sunil Jacob, HOD and General Convenor, NFDC-2023**

Dr. Janey Mary Mathew, & Dr. Nissy Ann Harry (Convenors NFDC-2023)

- Dr. Saino Hanna Varghese ● Dr. Preethy Soosan Thomas ● Ms. Princy Susan Koshy ● Dr. Binoy K K ● Ms. Sumitha Tom ● Dr. Jinu P Y ● Dr. Aswathy Joseph ● Dr. Sneha Jose E ● Dr. Thomas Abraham ● Ms. Blessy Abraham ● Ms. Preethi Thomas ● Ms. Manju G Nair ● Ms. Deepthi Rajesh ● Ms. Neena Suresh

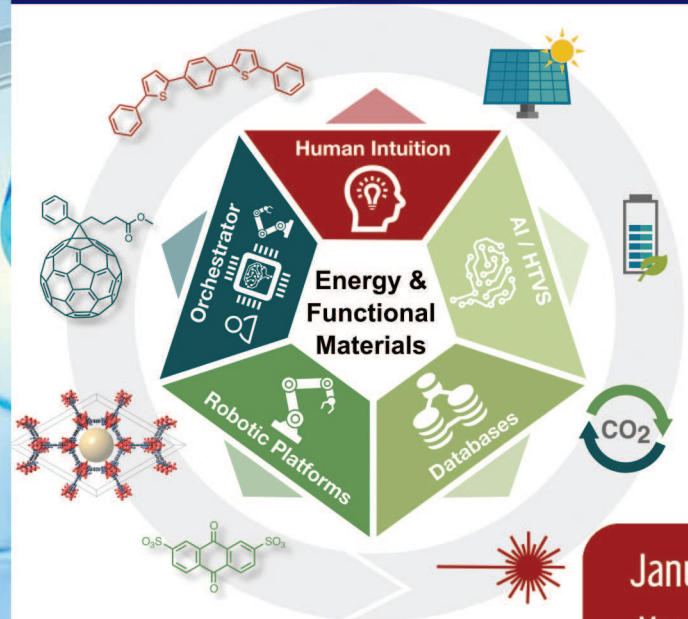
### CORRESPONDENCE

The Convenor, NFDC-2022, Department of Chemistry, Catholicate College, Pathanamthitta, Kerala, India, 689645

Email : nfdc2023@gmail.com, Mob : 9846091912, 9645638283

## TWO DAY INTERNATIONAL CONFERENCE ON NEW FRONTIERS AND DEVELOPMENTS IN CHEMISTRY (NFDC - 2023)

as part of the ERUDITE - SCHOLAR IN RESIDENCE Programme



January 6th & 9th 2023

Venue : Mar Clemis Hall

Organized by

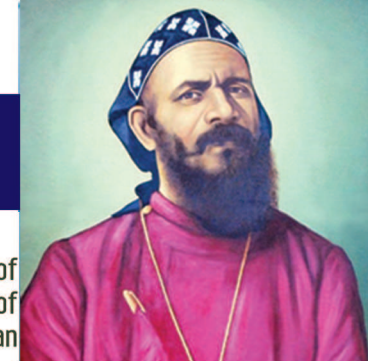
THE POST GRADUATE  
DEPARTMENT OF CHEMISTRY  
CATHOLICATE COLLEGE  
PATHANAMTHITTA

In association with the Inter University Centre  
for Nano Materials and Devices  
(IUCND) Cusat Kochi, Mahatma Gandhi University  
Kottayam & IQAC, Catholicate Collge, Pathanamthitta

Sponsored by

The Kerala State Higher Education Council (KSHEC)

In commemoration of  
125<sup>th</sup> Birth Anniversary of  
H. G. Geevarghese Mar Philoxenos Metropolitan



Dear Sir/ Madam,

The Post Graduate Department of Chemistry, Catholicate College, Pathanamthitta organizes a Two-day International Conference on “**New Frontiers and Developments in Chemistry, NFDC-2023**” on the 6<sup>th</sup> & 9<sup>th</sup> of January, 2023 at the premises of Catholicate College, Pathanamthitta. We cordially invite your active and sincere participation in the conference to make it an all time success.

Warm Regards,

**Dr. Janey Mary Mathew & Dr. Nissy Ann Harry**

*Convenors, NFDC - 2023*

**Dr. Sunil Jacob**

*(HOD & General convenor)*

**Dr. Philipose Omman**

*(Principal)*

**CHIEF PATRON**

**H. G. KURIAKOSE MAR CLEMIS METROPOLITAN**

*(Resident Manager)*

**GUEST OF HONOUR**

**DR. G. SUVARNA KUMAR**

*(Deputy Director, Collegiate Education, Kottayam)*

**ABOUT NFDC-2023**

The organising committee of the Two Day International Conference on “**New Frontiers and Developments in Chemistry**” invites ardent researchers, academicians, scientists and students to submit full length papers of their original research. The present conference aims at deliberations on the recent and innovative advancements with progressive developments in various areas of research in the discipline of chemistry including functional and smart materials, Energy materials, synthetic and metal organic frameworks, Nano Science, polymers and blends, and Supramolecular Chemistry.

**ABOUT COLLEGE**

Catholicate College, Pathanamthitta founded in the year 1952 is and situated on the serene Basil Hills, of Pathanamthitta, affiliated to Mahatma Gandhi University, Kottayam, holds a rich legacy of over seven decades in conquering higher education and revitalizing the academic aspirations of the region at large. The college owes its existence to the innate vision of the late lamented H.H. Baselios Geevarghese II, the Catholicos of the Malankara Orthodox Church and H.G. Puthencavil Geevarghese Mar Philoxenos Metropolitan, the then Metropolitan of the Thumpamon Diocese.

**REGISTRATION AND ABSTRACT SUBMISSION**

Registration and submission of abstracts can be made through the link, <https://forms.gle/dVUzGqk6ZdfwRkL47>, not later than 4<sup>th</sup> January 2023. (Abstracts should briefly and clearly describe the purpose of the research, the principal results and the major conclusions. (.doc/.docx formats, Text of the abstract and reference not exceeding 500 words, Font 11, Times New Roman, Line spacing 1.15). Details of submission of full paper will be intimated during the conference. Registration fees: Rs. 500/- (for Faculty members) Rs. 300/- (for Research Scholars and students). Registration fees can be paid on the day of the Seminar.

For further details please contact the conveners of the *NFDC-2023*

**PROGRAMME**

**DAY 1 (06-01-2023) FRIDAY**

**Inaugural Session : 10.00 - 11.00 am**

**Technical Session 1 : 11.00 - 12.30 am**

***Connecting Research Technology and Innovation***

**Erudite Speaker : Prof. SURESH C. PILLAI**

Ph.D, MBA, FIMMM, FRMS  
Director, Health and Bio-Medical (HEAL)  
Centre & Head of Nanotechnology and  
Bio-Engineering Research Group,  
Atlantic Technological University,  
ATU Sligo, Ireland.



**Technical Session 1 (continues) : 1.30 - 2.30 pm**

**Technical Session 2: 2.30 - 3.30 pm**

***Nano-Semiconductors : Potential Candidates for Environmental Pollution Remediation***

**Invited Speaker : Dr. JESTY THOMAS**

Ph.D, (NIIST, CSIR), PDF (CNU,  
S.Korea) Asst. Professor, Department of  
Chemistry, K.E College, Mannanam and  
Young Scientist, Department of Science  
& Technology, New Delhi.)



**Paper presentations : 3.30 - 4.00 pm**