

## INTERNATIONAL CONFERENCE ON PURE AND APPLIED CHEMISTRY (IconPAC - 2025)

### Theme: "Next Generation Sensors and Biosensors"

#### PROGRAMME SCHEDULE

Date/ Time	2 <sup>nd</sup> January 2025 (Thursday)
8:30-9:30 AM	Registration
9:30-10:50 AM	Inauguration @ C V Raman Hall
10:50- 11:15 AM	Hi- Tea
Keynote Lecture	Venue: C V Raman Hall
11.15 AM- 12.00 PM	Keynote Address by Chief guest "Developments in Point-of-Care Diagnostic Technology for Cancer Detection"
12.00 PM- 12.45 PM	Keynote Lecture- 1  Title: The Magic of Surface Chemistry in Development of Chemical and Bio Sensors  Dr. V. V. Raghavendra Sai, Chemical and Biosensors Laboratory Department of Applied Mechanics and Biomedical Engineering, IIT Madras, Chennai-600 036, India.
12: 45 to 1: 45 PM	Lunch & Poster Presentation
Session 1	Venue: Jasmine Hall
Chair	Dr Tinku Baidya & Dr. Niranjan Patra
01: 45 to 2.45 PM	Keynote Lecture- 2  Title: Facile Methods of Fabricating Microfluidic & Paper-Microfluidic Devices and Their Applications  Dr. Amit Asthana, Associate Professor and HOD Department of Medical Devices, National Institute of Pharmaceutical Education and Research (NIPER)- Balanagar, Telangana- 500037, India, Hyderabad
2.45 to 3.45 PM	Keynote Lecture-3  Title of the Speech: Trends in Wearable Electrochemical Sensors for Healthcare and Agricultural Applications.  Dr. Yugender Goud Kotagiri Assistant Professor, Department of Chemistry, Indian Institute of Technology, Palakkad, Kerala, India.
03: 45 to 4: 00 PM	Hi- Tea (30 min)

<b>Session 2</b>	<b>Venue: Jasmine Hall</b>
<b>Chair</b>	<b>Dr Tinku Baidya</b>
<b>04: 00 to 05: 00 PM</b>	<b>Keynote Lecture- 4</b>  <b>Title of the Speech: Scalable nanoporous template for advanced SERS-based biosensors</b>  <b>Dr. Niranjana Patra</b> Associate Professor, Department of Chemistry, Koneru Lakshmaiah Education Foundation
<b>05: 00 to 5: 30 PM</b>	Oral Presentations (OP1-OP3)
<b>06: 00 to 7: 00 PM</b>	Cultural programs

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Date/ Time	3 <sup>rd</sup> January 2025 (Friday)
Session 3	Venue: Jasmine Hall
Chair	Dr. E. Siva Sankar and Dr. K. Rambabu
9: 30 to 10:30 AM	<b>Keynote Lecture- 5</b>  <b>Title:</b> Optical Biosensors: Miniaturized Bioanalytical System for Onsite Detection and Point-of-Care Diagnostics  <b>LIGHTSON NG, PhD</b> Rajiv Gandhi Centre for Biotechnology (RGCB) Thiruvananthapuram, Kerala 695011
10.30-11.30 AM	<b>Keynote Lecture-6</b>  <b>Title:</b> Electrochemical Detection of Contaminants in Water  <b>Dr.Ch. Subrahmanyam</b> Professor, Department of Chemistry, Indian Institute of Technology, Hyderabad, Sanga Reddy, Kandi-502284, Telangana, India
11.30-11.45 AM	<b>Hi- Tea (15 Min)</b>
11.45- 12-45 PM	<b>Keynote Lecture-7 (Online)</b>  <b>Title:</b> Translational Opto-Electrochemical Sensing Devices in Healthcare Industries <b>Dr. Pranjal Chandra,</b> <b>Indian Institute of Technology (BHU) Varanasi</b>
12: 45 to 1: 45 PM	<b>Lunch</b>
Session 4	Jasmine Hall
Chair	Dr. E. Siva Sankar and Dr. K. Rambabu
1.45 to 2.45 PM	<b>Keynote Lecture-8</b>  <b>Title:</b> Biosensors for Mental Health Diagnosis  <b>Dr. C. Sekhar</b> Department of Bioelectronics & Biosensors, Alagappa University, Karaikudi-630003, T.N

<b>2.45-3.45 PM</b>	<b>Keynote Lecture-9</b>  <b>Title: Superhydrophobic Nano-Structured Porous Coordination Polymer-based Electro-Catalysts for Water Splitting</b>  Prof. Koya Prabhakara Rao HOD, Dept. of Chemistry, Vignan University
<b>03: 45 to 4.15 PM</b>	<b>Hi- Tea (30 min)</b>
<b>4: 15 to 5: 15 PM</b>	<b>Oral Presentation (OP4-OP6)</b>

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### PROGRAMME SCHEDULE

Date/ Time	4 <sup>th</sup> January 2025 (Saturday)
Session 3	Venue: Jasmine Hall
Chair	Dr. Niranjan Patra and Dr. Tinku Baidya
10.00 to 11.00 AM	<b>Keynote Lecture-11</b> <b>Title:</b> Bio-based materials: a sustainable precursor for portable sensor development <b>Dr. Gourhari Chakraborty</b> NIT, Andhra Pradesh
11: 00 to 11: 30 AM	Hi- Tea (15 Min)
11: 30 to 12.30 AM	<b>Keynote Lecture-12</b> <b>Title:</b> Green Hydrogen Production and Its Future In The Context of Increased Climate Change <b>Dr M. Sankara Rao</b> Co-Founder & DIRECTOR NANOSOL ENERGY PVT LTD. Hyderabad, Andhra Pradesh, India.
12: 30 to 1:30 PM	Lunch
Session 4	Venue: Jasmine Hall
Chair	Dr. Niranjan Patra and Dr. Tinku Baidya
1:30 PM to 2:30 PM	<b>Keynote Lecture-13</b> <b>Title:</b> Smart sensing platforms for SARS-CoV-2 <b>Dr. Sonu Gandhi, Scientist-E</b> Department of Biotechnology, Ministry of Science and Technology, National Institute of Animal Biotechnology, Hyderabad, Telangana, India.
2:35 to 3: 35 PM	Oral Presentations (OP7-OP10)
03: 35 PM	<b>Hi- Tea followed by Valedictory.</b> <b>Vote of thanks by Dr A Venkateswara Rao, HoD- Chemistry.</b>