



IIT PALAKKAD

Nurturing minds for a better world

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15 NOVEMBER 2023

SAHYADRI TRAILS

A fortnightly round up of IIT Palakkad



Roundtable Conference on Innovations in Biosolids

The Global Sanitation Center of Excellence (GSCOE) and the Technology Innovation Foundation (TECHIN) at IIT Palakkad collaborated to unite stakeholders in the biosolids sector. The collective goal here was to establish national-level standards for the application and reuse of biosolids.

[Read more](#)

IIT Palakkad Hosts Workshop to Enhance Science Teaching Skills for Higher Secondary School Teachers

Teachers from various govt schools in the Palakkad district attended the workshop that delved into the latest advancements in science and promoted inquiry-based teaching methodologies.

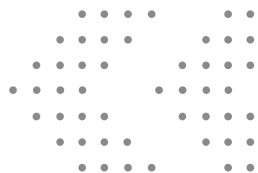
[Read more](#)



IIT Palakkad Commemorates National Ayurveda Day

In association with Arya Vaidya Sala, Kottakkal, a session on "Healthy Lifestyle and Lifestyle Diseases" was conducted. The aim was to remind the institute community to avoid a sedentary lifestyle and strive for a proper balance among the 'Three Pillars of Life.'

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NEW PARTNERSHIP

- IIT Palakkad and Dane Diagnostics, Palakkad join hands towards developing Clinical Grade Devices and other collaborative R&D projects, particularly in the fields Biomedical Engineering and its applications
- IIT Palakkad-Smart AgriTech Centre for Advanced Research and Development (SATCARD) and Kerala Agricultural University(KAU). This MoU serves as an agreement that opens avenues for innovating, testing, and validating AI-enabled, cost-effective agritech solutions.



TECHNICAL SESSIONS

ETQT 2023: Expert Discussions on Emerging Topics in Quantum Technology

The three-day workshop had an intriguing lineup of presentations covering diverse topics, ranging from Quantum Phase Transitions and Periodic Dynamics in Rydberg Atom Systems to the application of Machine Learning for Quantum Characterization and Quantum Control.

[Read more](#)



Inaugural Edition of ACE- Annual Civil Engineering Meeting Held at IIT Palakkad

On November 11, 2023, Mr. GP Hari, former Additional General Manager (Urban Transport) of Kochi Metro Rail Ltd, delivered an engaging session titled 'Smart Mobility - Roadmap to Sustainable Urban Transport.'

[Read more](#)

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- **Building Scalable Distributed Storage Systems: Theory vs. Practice** by Dr. Ajay Bakre, a senior member of IEEE, a member of ACM on 6 November 2023.
- **Towards a Scientific Approach to the Teaching and Learning of Physics** by Prof Mashood K. K. , Faculty, Homi Bhabha Centre for Science Education, Tata Institute of Fundamental Research (HBCSE-TIFR) on 7 November 2023
- **Design Automation for Side Channel and Fault Attack Resistant Lightweight Cryptography** by Dr. Rajat Sadhukhan, Postdoctoral Fellow at New York University, Brooklyn, New York on 8 November 2023
- **Structural Components under Loads: Experimental & Numerical Approaches** was hosted by Structural Design group during CE Research Receptions on 8 November 2023
- **Advances in Hemodynamic Monitoring for Early Disease Diagnosis** by Dr. Anand Chandrasekhar, Post-doctoral Associate, Department of Electrical Engineering and Computer Science, Massachusetts Institute of Technology (EECS, MIT) on 8 November 2023
- **Inference, Compression, and Communication under Limited Data Access** by Dr. K. R. Sahasranand, former Scientist/Engineer at Indian Space Research Organisation (ISRO), and former Postdoctoral fellow at Télécom Paris on 15 November 2023.
- **Vanadium Dioxide: Synthesis to Applications** by Dr Amit Verma who is an Associate Professor IIT Kanpur on 15 November 2023.
- **Buckling and Defects in Two-Dimensional Atomically Thin Layers** by Prof. Ayan Dutta who is a senior Professor at Indian Association for the Cultivation of Science on 15 November 2023.



DIWALI BLAST 2023

