

Department of Physics

Webinar Report

Voltammetric Techniques for (Bio)Sensing and Energy Storage Applications

Date: 24.06.2023

Duration: 11:00 am - 12:30 pm

Platform: Google Meet

Introduction: The Department of Physics (R&D) at Velammal Institute of Technology, Panchetti, Chennai, organized a webinar on "Voltammetric Techniques for (Bio)Sensing and Energy Storage Applications" on 24th June 2023. The webinar aimed to provide participants with insights into the applications of voltammetric techniques in biosensing and energy storage. This report summarizes the key highlights and outcomes of the webinar.

Speaker: The webinar featured Dr. V. Ganesh, Senior Principal Scientist at CSIR-CECRI, Karaikudi, as the sole speaker. Dr. Ganesh is a renowned expert in the field of voltammetric techniques and has significant experience in bio-sensor and energy storage applications. The webinar poster in given below,



*** Webinar on "Voltammetric Techniques for (Bio)Sensing and Energy Storage Applications" on 24th June 2023***

Registration and Attendance: A total of 76 people registered for the webinar. The participants hailed from various regions across India, showcasing a diverse geographical representation. Moreover, two participants from foreign countries joined the webinar, highlighting its international appeal.

Presentation: Dr. V. Ganesh delivered an informative and engaging talk on "Voltammetric Techniques for (Bio)Sensing and Energy Storage Applications." The presentation covered the following key points: Introduction to voltammetric techniques and their principles Applications of voltammetry in biosensing, including healthcare and environmental monitoring Utilization of voltammetry in energy storage systems, such as batteries and supercapacitors Case studies and real-world examples illustrating the effectiveness of voltammetric techniques Challenges and future prospects in the field Interaction.



Q&A Session: Following the presentation, a Q&A session was held, allowing participants to seek clarifications and engage in discussions with Dr. Ganesh. The session facilitated a deeper understanding of the topic and provided an opportunity for participants to explore specific applications and challenges.



Feedback and Satisfaction: The webinar received overwhelmingly positive feedback from the participants. According to the survey conducted post-webinar: 76% of the participants rated the speaker as excellent, highlighting the quality and expertise demonstrated by Dr. V.

Ganesh. An impressive 98.8% of the participants expressed their willingness to participate in similar webinars in the future, indicating the value they derived from the event. One of the feedback formats is attached here,

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E-Certificates were given to the participants one of the sample certificates is attached below

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CERTIFICATE OF PARTICIPATION						
This is to certify that Dr/Mr/Ms <u>Lekshmi Sunil</u> , <u>Research Scholar</u> from <u>Bharathiyar</u> <u>University</u> , has participated in the Webinar on "VOLTAMMETRIC TECHNIQUES FOR (BIO) SENSING AND ENERGY STORAGE APPLICATIONS " conducted on 24th June 2023 by the Physics department.						
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*** Webinar on "Voltammetric Techniques for (Bio)Sensing and Energy Storage Applications" on 24th June 2023*** **Conclusion:** The webinar on "Voltammetric Techniques for (Bio)Sensing and Energy Storage Applications" conducted by the Department of Physics (R&D) at Velammal Institute of Technology was a resounding success. Dr. V. Ganesh's expertise and insights contributed to expanding participants' knowledge and understanding of voltammetric techniques and their applications. The high satisfaction rate among the participants and their eagerness to participate in future webinars of similar nature speaks to the webinar's effectiveness and impact. The department is commended for organizing such an informative and well-received event that fostered.

Co-ordinator