



京都工芸繊維大学繊維科学センター
KIT's CFTS

学 術 講 演 会

Academic Lecture



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Electrospinning · Chitosan · Circular Economy

京都工芸繊維大学卒業後の研究・教育活動を振り返り、機能性高分子材料やバイオベース材料の開発、品質保証活動、さらにキトサンを活用した循環型材料研究の将来展望と国際連携の可能性について紹介する。

My Academic Journey in Polymer Engineering, Quality Assurance, and Sustainable Materials

2026/11/26 (THU) 13:30–15:00

13号館 4階多目的室

Multipurpose Room, 4th Floor in Building 13

15:00–17:15 自由討論 & 研究室訪問 Open Discussion & Lab Visits

講師の先生との討論および研究室訪問にご協力いただける先生・研究室を募集しております。
Seeking faculty and labs to host a lab visit and discussion with the lecturer.

参加無料・事前登録不要

Free admission • No registration required

お問合せ Contact

本講演会は英語で開催されます
This seminar will be held in English.

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講演要旨

Abstract

An academic career is a continuous journey of learning, discovery, and evolving responsibilities. Returning to Kyoto Institute of Technology (KIT), where I completed my Bachelor of Engineering, Master of Engineering, and Doctor of Engineering degrees, this lecture reflects on my academic and research journey since graduating in 2010.

The lecture will highlight the development of my research interests in polymer and fiber engineering, particularly electrospinning, functional polymeric materials, and the development of bio-based materials from natural and waste-derived resources. Selected research projects, including the utilization of clam shells in polymer composites, the development of plastics from tapioca peel cortex, and chitosan-based materials for environmental applications, will illustrate the opportunities and challenges of transforming alternative resources into functional engineering materials.

Beyond research, the lecture will share my experiences as an academic at Universiti Malaya, where my responsibilities have expanded from teaching, research, and postgraduate supervision to institutional quality management and quality assurance. Involvement in ISO 9001, academic quality assurance, and institutional improvement initiatives has shaped my perspectives on the importance of systematic approaches, evidence-based evaluation, and continuous improvement in higher education.

Looking ahead, the lecture will introduce my research aspiration to advance chitosan as a functional material within a circular economy framework, with particular emphasis on material performance, durability, regeneration, and responsible end-of-life considerations.

Through reflections on research, academic life, and institutional development, this lecture aims to share lessons learned throughout my academic journey and explore opportunities for future collaboration in sustainable polymer and fiber engineering.