

Session 3: Forum of National Key Laboratory of Bio-based Transportation Fuel Technology

Introduction: The National Key Laboratory of Bio-based Transportation Fuel Technology was approved in March 2023. It is a frontier-technology research laboratory in the field of bioenergy and materials. The laboratory is dedicated to meeting the major strategic requirements of national energy security and dual-carbon goals (to achieve carbon peaking and carbon neutrality), focusing on addressing key scientific and technological issues related to bio-based liquid transportation fuels. The research tasks include the upgrading and iteration of cellulose-based ethanol technology and industrialization (Task One), the frontier technology development and application of bio alcohol-based aviation fuel/diesel (Task Two), the industrialization of CO₂-based polycarbonates technology (Task Three), and the evaluation methods and standards for bio-based transportation fuel technology (Task Four). These researches aim to provide technological support for national energy security, independence, and the leadership in the frontier technologies of bio-based transportation fuels.

- Chairs: Prof. ZHANG Xinghong
- Date: January 13, 2024
- Venue: No.4 Hall of Faculty Club

Time	Topic	Speaker
14:00-14:20	Introduction	Prof. LI Hanying
14:20-14:45	Industrialisation of carbon dioxide-based copolymers	Prof. ZHANG Xinghong
14:45-15:10	Research and Prospect of High Value Utilisation of Biomass	Prof. LI Zhenglong
15:10-15:35	Yeast genomics and genetic breeding	Prof. ZHENG Daoqiong
15:35-16:00	Structural Vibration Testing and Uncertainty Analysis	Dr. LI Binbin
16:00-16:25	m6A-mediated regulation of human embryonic stem cells	Dr. CHEN Di
16:25-16:50	Progress in research on high value utilisation of cellulose	Dr. ZHANG Ximing
16:50-17:30	Discussion on the future development of national key laboratories	