

6-Nov-25

Hall B

Room 301/302

10:00	Opening Ceremony	Opening Ceremony	
10:15	Plenary	PL-1	Minna Hakkarainen (KTH Royal Inst Tech, Sweden) Designing from biobased to circular end-of-life
10:55	Keynote	KL-1	Jun Li (Nat Univ Singapore, Singapore) Conversion of biomass into functional hydrogels for water saving and sustainable agriculture
11:25	Keynote	KL-2	Sung Yeon Hwang (Kyung Hee Univ, Korea) The development of new biodegradable polymer for solving social issues
11:55	Photo session		
12:05	Lunchtime		
13:20	Invited/Selected Lecture	A1-1	Christophe Thomas (PSL Univ, France) One-pot catalysis: a privileged approach for sustainable polymers
13:40	Invited/Selected Lecture	A1-2	Tatsuo Kaneko (Jiangnan Univ, China) Amino-acid-based design of high-performance polymers
14:00	Invited/Selected Lecture	A1-3	Tsuyoshi Michinobu (Sci Tokyo, Japan) Synthesis and degradability of lignin-derived bio-based polyesters
14:20	Lecture	A1-4	Yukiko Enomoto (Univ Tokyo) Ultra-high-performance biomass plastics derived from divanillin
14:35	Lecture	A1-5	Yuushou Nakayama (Hiroshima Univ, Japan) Synthesis of biodegradable and mostly bio-based thermoplastic elastomers from lactide and easily available raw materials
14:50	Lecture	A1-6	Bharath Chandran Thrippayya (Kyushu Inst Tech, Japan) pH-triggered cellulose succinate hydrogel platform for amine-based systems
15:05	Coffee Break	20min	
15:25	Invited/Selected Lecture	A1-7	Youssef Habibi (Univ Mohamed VI Polytechnic, Morocco) Attempts toward a holistic reclaiming of wood
15:45	Invited/Selected Lecture	A1-8	Kotaro Satoh (Sci Tokyo, Japan) Novel bio-based and/or degradable polymers via precision polymerization of renewable monomers
16:05	Invited/Selected Lecture	A1-9	Yi-Chun Chen (Nat Chung Hsing Univ, Taiwan) Preparation and properties of polyurethane foams using liquefied microalgae as bio-based polyol
16:25	Lecture	JST Session	<b>JST-1</b> Hirotaka Ejima (Univ Tokyo, Japan) Metal-polyphenol-wrapping of cellulose nanofibers for preparation of stimuli-responsive biodegradable films
16:40	Lecture		<b>JST-2</b> Kazuki Fukushima (Kyoto Inst Tech, Japan) Degradable condensation polymers containing biobased and cyclic molecules
16:55	Lecture		<b>JST-3</b> Yu-I Hsu (Univ Osaka, Japan) Superior sequence-controlled poly(l-lactide)-based bioplastic with enhanced seawater biodegradability
17:15	Poster Presentation (Room 401&402)		
18:40	Welcome Reception	Hall B Foyer	
20:00	End		

B1-1	Kumar Sudesh (Univ Sci Malaysia, Malaysia) Can mealworms biodegrade bioplastics?
B1-2	Geeta Chhetri (Korea Inst Ind Tech, Korea) Biodegradation of bio-based polymers by actinobacteria isolated from rice field soil
B1-3	Kevin E. O'Connor (Univ College Dublin) Defined mixed microbial cultures for plastic waste conversion to biodegradable polymers
B1-4	Clement Matthew Chan (Univ Queensland, Australia) How fillers and functional additives impact the biodegradation of biopolymers?
B1-5	Daishuke Ishii (Univ Tokyo Agri, Japan) Enhancement of thermal stability and microbial degradability of P(3HB) by mixing with ferulic acid-based aromatic copolyester
B1-6	Ryosuke Kadoya (Sugiyama Univ, Japan) Microbial community responses to lactate-based polyester (LAHB) biodegradation in river environments
B1-7	Taylor Frederick Nelson (U Konstanz, Germany) Elucidating the environmental biodegradation of bio-based and waste-derived polyesters using stable carbon isotope labelling
B1-8	Miwa Yamada (Iwate Univ, Japan) Polyamide 4-degrading bacteria and their degrading enzymes
B1-9	Sangyong Kim (Korea Bioplastics Association, Korea) Measurement of combined aerobic and anaerobic biodegradation of plastics in marine conditions
B1-10	Naotaka Kimura (Okayama Univ, Japan) Visualization of enzymatic degradation process and highly ordered structure of microbial polyesters and curdlan derivatives
B1-11	Tomohiro Hiraishi (RIKEN, Japan) Real-time monitoring of microbial degradation of poly(3-hydroxybutyrate-co-3-hydroxyhexanoate)
B1-12	Qiuyuan HUANG (Univ Tokyo, Japan) Development and evaluation of enzyme-embedded biodegradable plastics for enhanced environmental degradation

7-Nov-25	Hall B		Room 301/302
9:00	Plenary	PL-2 Prof. George Guo-Qiang Chen (Tsinghua Univ, China) "Next generation industrial biotechnology" based on <i>Halomonas</i> for large scale PHA production	
9:45	Invited/Selected Lecture	A2-1 Keiji Numata (Kyoto Univ, Japan) Molecular design and natural spinning of spider silk	B2-1 Chi-Wei Lan (Yuan Ze Univ, Taiwan) Brewing the future: engineering yeast and nanomaterials to turn waste into green gold
10:05	Invited/Selected Lecture	A2-2 ZhiHua Gan (Beijing Univ Chem Tech, China) Chemical synthesis, properties and biomedical applications of poly(4-hydroxybutyrate)	B2-2 Suchada Chanprateep Napathorn (Chulalongkorn Univ, Thailand) The end of polyhydroxyalkanoate as the begening for unlocking synthezing and degrading microorganisms toward circular bio-recycling system
10:25	Cofee Break	20min	20min
10:45	Invited/Selected Lecture	A2-3 Yi-Ming Sun (Yuan Ze Univ, Taiwan) Design and evaluation of amphiphilic block bio-copolymer-based micelles and hydrogels for advanced drug delivery applications	B2-3 Min Fey Chek (Nara Inst Sci Tech, Japan) Structural Insights into the Catalytic Mechanism and Functional Regions of Full-Length PHA Synthase
11:05	Lecture	A2-4 Ruochun WANG (Univ Tokyo, Japan) The thermal processability and recycling performance of cellulose mixed esters	B2-4 Shun Sato (AIST, Japan) Biosynthesis of polyhydroxyalkanoate by <i>Haloferax mediterranei</i> in various culture media
11:20	Lecture	A2-5 Yusuke Imai (AIST, Japan) Minimum lactate chain length for hetero-stereocomplex formation between polylactate and microbial lactate copolymer LAHB	B2-5 Prihardi Kahar (Kobe Univ, Japan) <i>Cupriavidus necator</i> : Versatile biopolyester production from sugar and CO <sub>2</sub> sources
11:35	Lecture	A2-6 Hironori Marubayashi (Kyoto Inst Tech, Japan) Crystallization and microstructure of polyesters composed of isohexides and dicarboxylic acids	B2-6 Yuki Miyahara (Science Tokyo, Japan) Secure and high-cell-density autotrophic cultivation of <i>Ralstonia eutropha</i> enabled by a feedback-regulated hydrogen supply system
11:50	Lecture	A2-7 Aoi Tokutake (Tsukuba Univ, Japan) Synthesis of polypyrrole/bagworm silk composites and its material property evaluation	B2-7 Yuji Aso (Kyoto Inst Tech, Japan) Integrated synthesis process of polyitaconic acid from glucose in the fungal culture
12:05	Lunchtime		
13:20	Keynote	KL-3 Suwabun Chirachanchai (Chulalongkorn Univ, Thailand) Tailoring bio-based polymers through functional building block integration	
13:55	Invited/Selected Lecture	A3-1 Bronwyn Laycock (Univ Queensland, Australia) Manufacturing tough and flexible materials from scl-PHAs: a multi-strategy approach to biopolymer design	B3-1 In-Joo Chin (Korean Bioplastics Association, Korea) Status and challenges of bioplastics industry in Korea
14:15	Invited/Selected Lecture	A3-2 Jonghwi Lee (Chung-Ang Univ, Korea) Developing novel processing methods of celluloses into foams wihtout using solvent	B3-2 Hiroyuki Mori (Japan BioPlastics Association, Japan) Policy & market trends and identification labeling system of bioplastics in Japan
14:35	Lecture	A3-3 Yoshikuni Teramoto (Kyoto Univ, Japan) Solvent-guided dispersion control of poly(butylene adipate-co-terephthalate)/hectorite nanocomposites for bio-based barrier coatings	B3-3 Yasumasa Takenaka (RIKEN, Japan) Synthesis and characterization of the marine biodegradable poly(alkylene succinate)-based copolymers
14:50	Cofee Break	20min	20min
15:10	Invited/Selected Lecture	A3-4 Thomas Rosenau (BOKU Univ, Austria) Beta-irradiation of celluloses in ionic liquids - just physics or rather chemistry?	B3-4 Masao Kunioka (JCIL, Japan) ISO standardization related to the evaluation methods for marine biodegradable plastics
15:30	Invited/Selected Lecture	A3-5 Xiao Zhang (Washington State Univ, USA) Overcome lignin heterogeneity to produce oligomeric and monomeric building blocks for biobased plastics and composites	B3-5 Takako Kikuchi (CERI, Japan) Identification of key environmental factors affecting the degradation of marine biodegradable plastics through machine learning analysis
15:50	Invited/Selected Lecture	A3-6 Prakit Sukyai (Kasetsart Univ, Thailand) Cellulose as a bio-based polymer from lignocellulose for food, medical, and cosmetic innovations	B3-6 Daisuke Kasai (Nagaoka Univ Tech) Key enzymes involved in poly(cis-1,4-isoprene) degradation in rhodococcus: identification and functional analysis
16:10	Lecture	A3-7 Hirokazu Kobayashi (Univ Tokyo, Japan) Artificial hydrolysis of crystalline cellulose by a nanocarbon catalyst	B3-7 Chalermporn Kaewjai (Rangsit Univ, Thailand) Aggregation states and thermal molecular motion of polyamide-based materials and their influence on biodegradation properties underwater environments
16:25	Lecture	A3-8 Srimukhi Mandava (CSIR-Indian Inst Chem Tech, India) Nanocellulose-doped superabsorbent polymer for improved absorption properties in sanitary pad applications	B3-8 Takashi Aoki (Kyoto Inst Tech, Japan) Structures and functions of the DNA ion complex films composed of different cationic surfactants
16:50	Poster Presentation (Room 401&402)		
18:10	Transfer to hotel		
19:00	Banquet (River Side Hotel)		
21:00	End		

8-Nov-25

Hall B

Room 301/302

9:00	Plenary	PL-3	Kohzo Ito (Univ Tokyo, Japan) Tough and biodegradable polymers	
9:45	Invited/Selected Lecture	A4-1	Eamor M. Woo (Nat Cheng Kung Univ, Tainan) Microscopy and synchrotron microbeam analyses on structured crystals in polymeric materials	B4-1 Seiichi Taguchi (Shinshu Univ, Japan) Lactate-based polyester (LAHB): a multi-functional modifier of non-biodegradable polylactide
10:05	Invited/Selected Lecture	A4-2	Hisao Matsuno (Yamagata Univ, Japan) Aggregation states and thermal molecular motion of polyamide-based materials and their influence on biodegradation properties underwater environments	B4-2 Daisuke Sugimori (Fukushima Univ, Japan) Biosynthesis of polyhydroxyalkanoates by engineered bacteria capable of degrading synthetic polymers
10:25	Coffee Break		20min	20min
10:45	Invited/Selected Lecture	A4-3	Naoko Yoshie (Univ Tokyo, Japan) Polymers crosslinked with hydrogen bonds: a method to combine environmentally friendly and good mechanical properties	B4-3 Pete Halley (Univ Queensland, Australia) Scaling up thermoplastic starch polymers into high performance films
11:05	Lecture	A4-4	Kanjana Sirirak (Kyoto Inst Tech, Japan) Crystallization-derived microstructure and properties of poly(ethylene furanoate)	B4-4 Ares Arrad (Sci Tokyo, Japan) Biosynthesis of SCL/MCL-polyhydroxyalkanoate copolymers from soybean oil by engineered <i>Ralstonia eutropha</i> employing mutant PHA synthase
11:20	Lecture	A4-5	Kousuke Tsuchiya (Univ Tokyo, Japan) Enhancement of mechanical properties of poly(vinyl alcohol) with polypeptide additives	B4-5 Lucas Vinicius Santini Ceneviva (Sci Tokyo, Japan) Biosynthesis of 2-mercaptoalkanoate-based bioplastics
11:35	Lecture	A4-6	Masahiro Fujita (RIKEN, Japan) Acceleration mechanism of pha crystallization by nucleating agent	B4-6 Masafumi Hamakawa (KANEKA, Japan) KANEKA biodegradable polymer green planet TM: Biodegradable PHBH as conventional plastic alternative
11:55	Closing Ceremony		Closing Ceremony	
12:15	Lunchtime			
13:30	Excursion (Mishima Skywalk)			
17:30	End (Return to Numazu)			