

AGENDA

SHIFT-MUST 2025 SUMMER SCHOOL ON BIOFUNCTIONALIZATION

- Program Dates:** 10 Oct (Fri) – 14 Oct (Tue), 2025
- Venues:**
- Main building-I, Room #203, Mongolian University of Science and Technology
(Address: Baga toiruu, Khoroo-8, Sukhbaatar district, Ulaanbaatar city, Mongolia)
 - Orientation of Field trip on Nature,
(Address: Premium Bolor Terelj resort, 50 km from Ulaanbaatar city)

Conference Objectives

The Summer School is organized by the School of Industrial Technology and School of Mechanical Engineering and Transportation at Mongolian University of Science and Technology in cooperation with EU Horizon 2022 Program and SHIFT Project. The summer school is addressed to the Researchers, MSc and PhD students and Post-Docs who has a background in field of Engineering, Physics, Chemistry, Biology, Medicine and Material Science.

AGENDA

Friday 10.10.2025 Day 1	
Opening ceremony Moderator: Dr. Turmunkh Gerelchuluun <i>Location: Main building, Room #203</i>	
8.30 - 9.00	Registration
09:00 – 09:20	Opening of SHIFT-MUST 2025 Summer school Prof. NAMNAN Tumurpurev Ph.D <i>President of Mongolian University of Science and Technology, Mongolia</i>
09:20 – 09:40	Greetings Prof. ANTONELLA Motta Ph.D <i>Trento University, Italy</i>
9:40-9:50	Group photo
Morning session Moderator: Dr. Anthony Metcalfe	

<i>Location: Main building-I, Room #203</i>	
9:50-10:50 IS-1	<p>“Towards Sustainable Healthcare: The Role of Natural Polymers in Biomedicine” Prof. ANTONELLA Motta Ph.D <i>Trento University, Italy</i></p>
10:50-11:00 <i>Coffee break</i>	
11.00-12.00 IS-2	<p>“Translation of Advanced Therapies to the Clinic” Prof. ALICIA El Haj Ph.D <i>University of Birmingham</i> <i>Director of Institute of Translational Medicine and Chair of Cell engineering, Healthcare Technology Institute, UK</i></p>
12:00-13:00 <i>Lunch</i> <i>Location: Meal house (Main building)</i>	
Afternoon session Moderator: <i>Dr. Gilson Khang</i>	
13.10-14.10 IS-3	<p>“Elastic Tissue Repair” (by online) Prof. ANTHONY Weiss Ph.D <i>University of Sydney, Australia</i></p>
14.10-15.10 IS-4	<p>“Results of traditional medicine diagnosis and treatment of H1N1 and Covid-19 infectious diseases” Prof. NATSAGDORJ Damdinsuren Ph.D <i>Otoch Manramba University</i> <i>Director, Manba Datsan Traditional Mongolian Medical and Training Center</i></p>
15.10-15.50	DISCUSSION & POSTER
18.00-19.30 Welcoming dinner	
Saturday 11.10.2025 Day 2	
08:30-10:00	<p>Outside school from UB city <i>Meeting point: Main campus, MUST</i> <i>Departure for Premium Bolor Resort Terelj Nalaikha</i></p>
<i>Lunch</i>	
12:00-13:00	<i>Location: Premium Bolor Terelj</i>
Moderator: <i>Dr. Antonella Motta</i> <i>Location: Conference hall, Premium Bolor Resort</i>	
13.00-14.00 IS-5	<p>“Potential of Thai silk fibroin in medical and food applications” Prof. SORADA Kanokpanont Ph.D</p>

	<i>Faculty of Engineering, Department of Chemical Engineering, Chulalongkorn University, Bangkok, Thailand</i>
14.00-15.00 IS-6	“Engineering the Future of Healing: Biopolymer Scaffolds and Multifunctionalised Biomaterials in Tissue Regeneration” (by online) Prof. Mh BUSRA Fauzi Ph.D <i>Department of Tissue Engineering and Regenerative Medicine (DTERM), Faculty of Medicine, Universiti Kebangsaan Malaysia, Kuala Lumpur, Malaysia</i>
18:00-19:00	Dinner
Sunday 12.10.2025 Day 3	
Morning session Moderator: Dr. Sorada Kanokpanont <i>Location: Conference hall, Premium Bolor Resort</i>	
9:00-10:00 IS-7	“Natural Polymers and Bioactive” Prof. GILSON Khang Ph.D <i>Jeonbuk National University, South Korea</i>
10:00-11:00 IS-8	“Assessment of the biosafety situation of biological laboratories in Mongolia” ARVINBAYAR Baatar <i>Department of Biotechnology and Nutrition, Mongolian University of Science and Technology, Mongolia</i>
11:00-12:00	Networking meetings and Sightseeing Destination:
12:00-13:00	Lunch
16:00-17:30	Arrive to UB city
Monday 13.10.2025 Day 4	
Moderator: Dr. ALICIA El Haj <i>Location: Main building, Room #203</i>	
9:00-10:00 IS-9	“The Quest for Scar Reduction in Skin” Prof. ANTHONY METCALFE Ph.D <i>School of Chemical Engineering, Birmingham University, UK</i>
10:00-11:00 IS-10	“Silk Fiber vs Kapok Fiber: Biomaterials for Biomedical Applications” Prof. SIRIPORN Damrongsakkul Ph.D <i>Department of Chemical Engineering, Faculty of Engineering, Chulalongkorn University, Thailand</i>



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MONGOLIAN UNIVERSITY OF SCIENCE AND TECHNOLOGY



11:00-12:00 IS-11	“The application of nanoparticles for medicine” Prof. DEMBERELNYAMBA Dorjnamjin Ph.D <i>Director, Monchemo LLC, Mongolia</i>
12:00-12:10	Closing and reflection
12: 10-13.10	Lunch <i>Location: Meal house (Main building)</i>

*- Presentation – 50 min, Q&A – 10 min

- IS - Invited speaker
- Time zone: Ulaanbaatar (GMT+8)
- Contact: +976 99031823