



**"DEVELOPMENT OF SEA BUCKTHORN AND
OTHER HORTICULTURAL MARKETS
IN THE ASIA REGION"**

AsiaBerry-2024

30 October – 1 November

Wednesday, October 30, 2024

RESEARCH DAY 1. COLLABORATION OF TRIPLE HELIX

Time	Function	Location
Moderator: Mr. Uchral Purev. Vice President of the MNAFB		
8:00 a.m. – 8:50 a.m.	Registration	Library 502 National University of Mongolia
9:00 a.m. – 9:30 a.m.	<p>Open of the Conference Host Speech <i>Mr. Nasanjargal Darjaa</i> President of the Mongolian National Association of Fruits and Berries</p> <p>Welcome Speech <i>Mr. Jambaltseren Tumur-Uya</i> State Secretary of MOFALI</p> <p>Open Speech <i>Prof. Ochirkhuyag Bayanjargal</i> Rector, National University of Mongolia</p> <p>Open Speech <i>Prof. Baasansukh Badarch</i> Rector, Mongolian University of Life Sciences</p> <p>Guest Speech <i>Dr. Thomas Moersel</i> President of German Sea buckthorn Society Vice President of ISA</p>	Library 502 National University of Mongolia
9:30 a.m. – 9:35 a.m.	Introduction to the development of sea buckthorn and other horticultural industry in Mongolia: 1954-2024	Library 502 National University of Mongolia
9:35 a.m. – 9:50 a.m.	<p>Development of the Mongolian Sea buckthorn Market toward Asian and other Markets <i>Prof. Tsevelmaa Khyargas</i> National University of Mongolia</p>	Library 502 National University of Mongolia
9:50 a.m. – 10:10 a.m.	Group photo	
10:10 a.m. – 10:50 a.m.	Break	
Moderator: Mr. Uchral Purev. Vice President of the MNAFB		
10:50 a.m. – 11:10 a.m.	<p>Sea buckthorn products (<i>Hippophae rhamnoides</i> L.) – actual trends in Germany and the European Community <i>Dr. Thomas Moersel</i> President of German Sea buckthorn Society Vice President of ISA</p>	Library 502 National University of Mongolia
11:10 a.m. – 11:30 a.m.	<p>Assessment of genetic diversity of Mongolian sea buckthorn (<i>Hippophae rhamnoides</i> L.) cultivars using the RAPD-PCR method. <i>Turmunkh Gerelchuluun. Ph.D</i> Mongolian University of Science and Technology</p>	Library 502 National University of Mongolia

11:30 a.m. – 11:50 p.m.	Study of sea buckthorn harvesting by branch cutting in the condition of Siberia region <i>Dr. Zubarev Yury</i> Vice President International Sea buckthorn Association Federal Altai Scientific Center of Agrobiotechnologies, Barnaul.	Library 502 National University of Mongolia
11:50 p.m. – 12:10 p.m.	The development status of China's sea buckthorn industry <i>Mr. Zhang Bin</i> International Sea buckthorn Association	Library 502 National University of Mongolia
12:10 p.m. – 2:00 p.m.	Lunch	
Moderator: Prof. Tsevelmaa Khyargas, National University of Mongolia		
2:00 p.m. – 2:20 p.m.	Trade facilitation measures for exporting sea buckthorn <i>Tsendsuren Davaa, PhD</i> Director (WSO RM Advisor) Risk Management Division Customs General Administration of Mongolia	Library 502 National University of Mongolia
2:20 a.m. – 2:40 p.m.	Sea buckthorn meadow-garden, technological and economic aspects <i>Prof. Oleichenko Sergey Nikolaevich</i> Kazakh State Agrarian Research University (Kaznaru)	Library 502 National University of Mongolia
2:40 p.m. – 3:00 p.m.	Assessment of land suitability for fruit planting: A pathway to sustainable development <i>Nasanjargal.D, Khandsuren.D, Myagmarjav.I, Oyuntuya.Sh, Buyanbaatar.A</i> School of Agroecology Mongolian University of Life Sciences	Library 502 National University of Mongolia
3:00 a.m. – 3:30 a.m.	Break	
Moderator: Mr. Uchral Purev, Vice President of the MNAFB		
3:30 p.m. – 3:50 p.m.	Sea-buckthorn: complex processing <i>Prof. Kotova Tatiana</i> East Siberian State University of Technology and Management Ulan-Ude	Library 502 National University of Mongolia
3:50 p.m. – 4:10 p.m.	Morpho-genetic variation of wild sea buckthorn populations in Mongolia (Hippophae rhamnoides l. Ssp. Mongolica rousi) <i>Tsendeekhuu.Ts, Dorjderem.B, Enkhtuul.Ts</i> National University of Mongolia	Library 502 National University of Mongolia
4:10 p.m. – 4:30 p.m.	Practical Experience in Industrial Gardening with Orientation on Mechanized Harvesting: Honeysuckle and Sea buckthorn <i>Karpov Victor</i> Technical director in Tomsk production company “SAVA”	Library 502 National University of Mongolia
4:30 p.m. – 5:00 p.m.	Discussion Session Q&A Peer-reviews	Library 502 National University of Mongolia
6:00 p.m. – 9:00 p.m.	Dinner for foreign participants	Tuushin Restaurant



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RESEARCH DAY 2. SESSION 1: SCIENTIFIC AND EMPIRICAL RESEARCH

Time	Function	Location
8:20 a.m. – 8:50 a.m.	Registration	Soyombo B Tuushin hotel
Moderator: Turmunkh Gerelchuluun. Ph.D Mongolian University of Science and Technology		
9:00 a.m. – 9:20 a.m.	“Utilizing Natural Fruits and Berries as Selection Materials in Mongolia” <i>Khandsuren.D, Dorjderem.B</i> School of Agroecology Mongolian University of Life Sciences Peer-review	Soyombo B Tuushin hotel
9:20 a.m. – 9:40 a.m.	Diseases of cultivated sea buckthorn, damage, and optimal methods of control <i>Uranchimeg.A, Batchimeg.T</i> Institute of Plant Protection Research Peer-review	Soyombo B Tuushin hotel
9:40 a.m. – 10:00 a.m.	Biochemical and technological study of boiled sausage with the addition of sea buckthorn seeds <i>Bolortsetseg.N, Itgelsaikhan.E</i> School of Technology in Darkhan-Uul aimag Mongolian University of Science and Technology Peer-review	Soyombo B Tuushin hotel
10:00 a.m. – 10:20 a.m.	Research Results on Harvesting Methods for Sea Buckthorn (<i>Hippophae rhamnoides</i> L.) <i>Munkhtuvshin.Kh, Khandsuren.D</i> School of Agroecology Mongolian University of Life Sciences Peer-review	Soyombo B Tuushin hotel
10:20 a.m. – 10:50 a.m.	Break	
Moderator: Ass.Prof Khandsuren Damba, PhD. Mongolian University of Life Sciences		
10:50 a.m. – 11:10 p.m.	The Effect of organic and inorganic mulches on the weed of sea buckthorn <i>Otgon.J, Battsengel.B, Saikhantsesteg.S, Atarsaikhan.T</i> Institute of Plant and Agriculture Sciences Peer-review	Soyombo B Tuushin hotel
11:10 a.m. – 11:30 p.m.	Research on the biology, ecology, damage, and distribution of the sea buckhorn fly (<i>Rhagoletis batava</i> Hering, 1958) in Mongolia. <i>Munktsetseg.B, Ganchimeg.G, Dorjderem.B, Turbat.T</i> Institute of Plant Protection Research Peer-review	Soyombo B Tuushin hotel
11:30 a.m. – 11:50 p.m.	Study findings on fighting methods against weed species in sea buckthorn field. <i>Amarsaikhan.J, Azzaya.T, Otgonsuren.M</i> Institute of Plant Protection Research Peer-review	Soyombo B Tuushin hotel

11:50 a.m. – 12:10 p.m.	Intensive technologies of sea buckthorn cultivation for central regions of Russia <i>Mr. Puzrakov Ilya</i> Head of the “Sady Elizavety” Company Peer-review	Online Soyombo B Tuushin hotel
12:10 a.m. – 12:30 p.m.	The comparison of monoterpenoids in Mentha and berry plants <i>Tingting Huang, Undarmaa.D</i> School of Agroecology Mongolian University of Life Sciences Peer-review	Soyombo B Tuushin hotel
12:30 a.m. – 1:00 p.m.	Wrap Up Q&A Comments	Soyombo B Tuushin hotel
1:00 p.m. – 2:00 p.m.	Lunch	Soyombo B Tuushin hotel
7:00 p.m. – 11:00 p.m.	Gala reception	Tuushin Restaurant



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RESEARCH DAY 2. SESSION 2: INDUSTRY EXCELLENCE AND COMPETITIVENESS

Time	Function	Location
8:20 a.m. – 8:50 a.m.	Registration	Soyombo A Tuushin hotel
Moderator: Mr. Carl Krug, Key Expert II for the EU ITDM project		
9:00 a.m. – 9:20 a.m.	Sea buckthorn leaves – from plantation to commercial application ten years research and development in Germany <i>Mr. Axel Waehling</i> NIG Nahrungs-Ingenieurtechnik Peer-review	Soyombo A Tuushin hotel
9:20 a.m. – 9:40 a.m.	Sea buckthorn industry upgrading through entrepreneurship and innovation. <i>Nasanjargal Darjaa, Tsevelmaa Khyargas</i> MNAFB, National University of Mongolia Peer-review	Soyombo A Tuushin hotel
9:40 a.m. – 10:00 a.m.	Distribution of Sea buckthorn and Market Potential in Nepal <i>Mr. Youba Raj Pokharel</i> Forest Officer Ministry of Forest and Environment, Deputed at Commission for the Investigation of Abuse of Authority (CIAA), Kathmandu Peer-review	Soyombo A Tuushin hotel
10:00 a.m. – 10:20 a.m.	Xinjiang Zhongke Sea buckthorn Technology <i>Mr. Xu Jun</i> Chairman Xinjiang Zhongke Sea buckthorn Technology Company Ltd. Peer-review	Soyombo A Tuushin hotel
10:20 a.m. – 10:50 a.m.	Break	
Moderator: Professor Tsevelmaa Khyargas, National University of Mongolia		
10:50 a.m. – 11:10 p.m.	Aligning the Uvs chatsargana GI with SDGs <i>Munkhnaran Lkhagvasuren and Tsetsegsuvd Zagir</i> Uvs Sea buckthorn Producers' Association NGO Peer-review	Soyombo A Tuushin hotel
11:10 a.m. – 11:30 p.m.	Support for the Sea buckthorn cluster initiative through the EU-funded ITDM project. <i>Mr. Carl Krug</i> Key Expert II for the EU ITDM project Peer-review	Soyombo A Tuushin hotel
11:30 a.m. – 11:50 p.m.	Work Exchange on Research in Sea-buckthorn Breeding, Cultivation, and Product Transformation <i>Mr. Han Xiao</i> Hebei Shenxing Sea buckthorn Research Institute Peer-review	Soyombo A Tuushin hotel

11:50 a.m. – 12:10 p.m.	Extraction and study of the biological activity of flavonoids from Altay region sea buckthorn extraction cake <i>E.S. Batashov, E.V. Averyanova, M.N. Shkolnikova, E.D. Rozhnov</i> Altayvitaminy Pharmaceutical Company Peer-review	Soyombo A Tuushin hotel
12:10 a.m. – 12:30 a.m.	Introduction to Zelt Bio <i>Mr. Eduards Vilks</i> Sea buckthorn: A potential new industrial crop for Pakistan. <i>Dr. Tanveer Ahmad</i> Ex-Chairman Department of Horticulture MNS-University of Agriculture Multan Peer-review	Soyombo A Tuushin hotel Hybrid
12:30 p.m. – 1:00 p.m.	Wrap Up Q&A Comments	Soyombo A Tuushin hotel
1:00 p.m. – 2:00 p.m.	Lunch	
7:00 p.m. – 11:00 p.m.	Gala reception	Tuushin Restaurant

FIELD DAY 3. TECHNICAL TRIP

To the Terelj Mountain Lodge (a unique program will be delivered to the participants who joined the technical tour.)

POSTER PRESENTATIONS

1. Efficiency of biological preparations against sea buckthorn fly

Dejidmaa T¹, Nasandulam D², Batbayar N¹, Munkhtsetseg B¹

¹ Institute of Plant Protection Research

²School of Agroecology, Mongolian University of Life Sciences

2. Using DEM-CFD simulation in the berry's separation process

Ulziisaikhan P¹, Ganbold D², Gangerel.Kh³

¹ Head of Graduate Department, School of Mechanical Engineering and Transportation, Mongolian University of Science and Technology

² Lecturer, School of Engineering and Technology, Mongolian University of Life Science

³ Lecturer, School of Mechanical Engineering and Transportation
Mongolian University of Science and Technology

3. Study of the biology, ecology, distribution, and damage of the plum fruit moth (*Grapholita funebrana* Treitschke, 1835) in Mongolia

Munkhtsetseg.B, Ichinkhorloo.B

Institute of Plant Protection Research. laboratory of Entomology

4. The results of research on Sea buckthorn and other fruit species at IPAS, Mongolia

D.Gantuya, U.Juuperelmaa, D.Oyungereel, S.Battumur

Institute of Plant and Agricultural Sciences

Fruit and berry, ornamental plant research division

5. Primary assessment of the genetic diversity for sea buckthorn (*hippophae rhamnoides* L.) in Mongolia

Dorjderem Balchin, Khandsuren.Damba, Jamiyansuren Sandagdorj, Ninj Badam

School of Agroecology, Mongolian University of Life Sciences