

7th UIU-ICSD 2024

International Conference on Sustainable Development

Towards a Resilient Future

19-20 February, 2024

Program Schedule

Inaugural Ceremony **DAY 1 - February 19, 2024 (Monday)**	
Time: 9:00 AM -10:30 AM Venue: UIU Multipurpose Hall	**Welcome & Introduction:** Professor Dr. Hamidul Huq, Director, IDSS and Convener, 7th UIU-ICSD 2024
	Chair: Professor Dr. Md. Abul Kashem Mia, Vice-Chancellor, United International University **Conference Inaugural Speaker:** Emeritus Professor Dr. M A Sattar Mandal, Department of Agricultural Economics, Former Vice Chancellor, Bangladesh Agricultural University, Former Member, Planning Commission of Bangladesh
Break: 10:30 AM - 11:00 AM	

<table>
<tr><th colspan="2">Plenary Session
DAY 1 - February 19, 2024 (Monday)</th></tr>
<tr><td rowspan="2">Time: 11:00 AM – 12:30 PM
Venue: UIU Multipurpose Hall</td><td>Theme: Bangladesh Delta Plan: The Pathway of SDGs Attainment</td></tr>
<tr><td>Chair: Professor Dr. M. Monowar Hossain, Rector of Engineering Staff College Bangladesh (ESCB); Executive Director (Rtd.), Institute of Water Modeling; Professor (Rtd.), Department of Water Resources Engineering, BUET

Chief Guest: Professor Dr. Shamsul Alam, Former State Minister of Planning, Government of Bangladesh

Keynote Speaker: Catharien Terwisscha van Scheltinga, Senior Researcher, Water Management in Deltas, Wageningen University (WUR), The Netherlands
Panelists:
Mr. Mohd. Monirul Islam, Additional Secretary (SDG Affairs), Prime Minister’s Office, Dhaka
Dr. Sara Nowreen, Associate Professor, Institute of Water and Flood Management, BUET
Dr. Md. Akram Hossain Chowdhury, Deputy Director and Focal Point, BDP2100, Department of Agricultural Extension (DAE), Ministry of Agriculture.</td></tr>
<tr><td colspan="2">Lunch Break: 12:30 PM – 1:30 PM</td></tr>
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Parallel Sessions DAY 1 - February 19, 2024 (Monday)			
Parallel Session I **Time: 1:30 PM – 3:00 PM**	**Parallel Session II** **Time: 1:30 PM –3:00 PM**	**Parallel Session III** **Time: 1:30 PM –3:00 PM**	**Parallel Session IV** **Time: 1:30 PM – 3:00 PM**
Venue: UIU Multipurpose Hall (Basement)	Venue: Smart Room-124 (Level 1)	Venue: 907 (Level 9)	Venue: Smart Room-126 (Level 1)
Theme: **Climate Actions**	Theme: **Climate Actions**	Theme: **Sustainable Entrepreneurship & Circular Economy**	Theme: **Inclusive Development and Sustainable Livelihoods**
Chairperson: Barrister Shameem Haider Patwary Former MP and Former Member of Climate Parliament, Bangladesh	**Chairperson:** Prof. Dr. Ahmad Kamruzzaman Majumder Chairman Dept. of Environmental Science Stamford University Bangladesh	**Chairperson:** Professor Dr. Gour Gobinda Goswami Pro Vice Chancellor Uttara University Dhaka, Bangladesh	**Chairperson:** Dr. Golam Rabbani Professor Institute of Social Welfare and Research University of Dhaka
1. Interplay of Drivers of Climate-Induced Migration through Fuzzy DEMATEL Analysis **Rakesh Sharma[1], Syed Mahbubur Rahman[2], Ekramul Islam[3], Shadman Sakib Rummat[4] and Nizahat Tamima[5]**	1. Integrating Green Technologies in Urban Households for Ensuring Climate Resiliency: A Systematic Review **Tanwee Das[1] and Farzana Ferdous[2]**	1. E-commerce Adaptation and Barriers for Women Entrepreneurs in Bangladesh **Humaun Kabir[1], Soaib Ahmed[2], Jamil Ahmed[3], Zareen Subah Pushpita[4] and Omar Faruk[5]**	1. Threats Imposed by the Aluminum Utensil Manufacturing Industry: A Comprehensive Analysis of its Environment and Health Impacts through a Case Study at Chattogram, Bangladesh **Nuzaba Tasannum[1], Sayed Mohammad Nazim Uddin[12] Mukesh Gupta[12] and Shams Forruque Ahmed[3]**
2. Addressing Gender Issues in Community-based Disaster Management: A Study in	2. Climate Change Adaptation and TRM from Political Ecology Lens: A Case	2. Assessing the Impact of Russian-Ukrainian Geopolitical Risks on Global Green Finance: A Quantile Dependency	2. Organic Food Purchase Behavior in Developing Economy: The Influence of Consumers'

Flood Affected Areas of Bangladesh **Mohammad Shahjahan[1] and Omar Faruk[2]**	Study in Tala Upazila, Satkhira **Arin Khan[1], Mehrin Mohsina[2] and Wadia Islam[3]**	Analysis **Faroque Ahmed[1], Md. Monirul Islam[2] and Sujaat Abbas[3]**	Affordability and Past Experience **Sarker Rafij Ahmed Ratan[1], and Huam Hoon Tat[2]**
3. Sustainable Water Resources Management in Brahmaputra River Basin: Key Challenges and Way Forward **Ahmad Shams Qadir[1]**	3. Looking Back to Move Forward: Tracing Colonial Roots of the Present-Day Crisis in Sundarbans **Madhurima Majumder[1]** [1]ENP Group, Wageningen University	3. Adoption of Rice Husk Briquettes by Commercial Cooking Sectors in North-eastern Bangladesh: Implications of Energy Policy for Sustainable Development **Md. Habibur Rahman[1] and Kaoru Kitajima[2]**	3. Leaving No One Behind: Key Agenda of SDG on the Map of Bangladesh **Md. Golam Mahabub Sarwar[1]**
4. Impacts of Climate Variability on Rice Yield and Diseases in Coastal Bangladesh: A Systematic Literature Review with Climate and Crop Data Analysis **Moriom Akter Mousumi [1,2], Spyridon Paparrizos[1], Md Kamrul Hasan[3], Md Ektear Uddin[3]and Fulco Ludwig[1]**	4. A Study on Secondary School Teachers' Indigenous Knowledge and Climate Change Education **Dr. Ferdousi Khatun[1]**	4. Circular Economy & Sustainable Entrepreneurship: A Comprehensive Study of the Textile Sector in Bangladesh **Omar Faruk Shanto[1] and Dr. Mofijul Hoq Masum[2]**	4. Climate Change Induced Sustainable Livelihood of Fishermen Communities: Opportunities and Challenges in the Southeastern Part of Bangladesh **Imtiaz Ahmed[1], Md. Arif Chowdhury[2], Shahnam Karin[3], Rashed Uz Zzaman[4] and Labib Ul Islam[5]**
5. The Gaps between NGOs and the Government in the Context of Climate Action Implementations in the South-Western Bangladesh **Nuzhat Tabassum Tasnim[1]**	5. Analyzing the Impact of Cultural Shock and Integration Process on Internally Displaced Persons: A Study on Riverbank Erosion Induced Displacements in Bangladesh **Md. Alimuzzaman[1] and Trapa Sarker[2]**	5. Role of Preserving Traditional Occupation for Sustainable Entrepreneurship and Circular Economy **Md. Rakibuzzaman[1] and Md. Sarwar Zahan[2]**	5. Underlying Loopholes in the Progress of Inclusive Development and Sustainable Livelihoods in the Northern Part of Bangladesh: Equality Remains an Elusive Concept for Women. **Sadia Afrin[1]**

6. Traditional Knowledge Regarding Weather Forecasting and Disaster Response in the Bandarban Region **Md. Rakibuzzaman[1] and Fabliha Afaf[2]**	6. Geoinformatics Tools for Flash Flood Susceptibility Mapping in the Chittagong Hill Tracts (CHT), Bangladesh **Ms. Noshin Tarannum[1] and Md. Abu Syed[2]**	6. Addressing Policy Dilemma and Strategic Challenges of Women Sustainable Entrepreneurship: A Scoping Study **Md. Roni Mridha[1], Amit Hasan Antor[2] and Tabassum Akter Rami[3]**	6. Agricultural Labor Migration in Quest of Sustainable Livelihood: A Comprehensive Literature Review **S. M. Nasir Uddin[1] and Mohammed Ziaul Haider[2]**
7. Adaptation of Internally Displaced People: Impacts of Climate Change in Satkhira, Bangladesh **Md. Arif Chowdhury[1], Sabbir Hossain[2] and Mohammad Mahfuzur Rahman**	7. Assessment and Forecasting Precipitation Data in Northern Bangladesh: Mann-Kendall Test, Innovative Trend Analysis and ARIMA Approach **J. M. Adeeb Salman Chowdhury[1] and Azhar Uddin[2]**	7.Green HRM, Sustainability Management and Climate Actions for Distinctive Competitive Advantages in Market **Md. Azzajur Rahman[1] and Tasneem Jahan Tumpa[2]**	7. The Impact of Microfinance on women's Economic Independence: A Study on Microfinance Clients in Koyra Upzila in Bangladesh **Md. Muhimenul Islam[1]**
8. Public Perceptions of the Consequences and Reactions to Natural Disasters and Coping Strategies Employed in the Southern Coastal Region of Bangladesh: A Cross-sectional Study **Abu Talha Md. Qutayba[1], Md. Shakil Mondol[2] and Most. Sadia Jahan Disha[3]**	8. Non-Structural Measures to Natural Disasters at Bauphal Union of Patuakhali District: A Study on Preparedness and Early Warning System **Md Walid Meia[1], Md. Fuad Hasan[1, 2], Md. Rasheduzzaman[1]and Md. Shamsuzzoha[1]**		8. Shaping a Brighter Future for Marginalized Children in Bangladesh: A case of Anandalok Schools **Mizanur Rahman Jewel[1]**
9. A Damage-Based Geospatial Insurance Model for Rice Grower Farmers in the Coastal Region of Bangladesh Due to Tropical Cyclones: A Satellite Remote Sensing Approach **Sanjida Hossain Setu[1], Md. Rasheduzzaman[2]and Md. Shamsuzzoha[3]**	9. Indigenous Knowledge and Tidal River Management: A Conflict between Political Ecology and Local Communities in Tala, Satkhira **Md. Arin Khan[1], Mehrin Mohsina[2] and Wadia Islam[3]**		9. Vulnerabilities and Adaptation of Fisherman Communities: Perspective of Migrants in Mongla, Bagerhat, Bangladesh **Md. Arif Chowdhury[1], Sabbir Hossain[2], Rashed Uz Zzaman[3] and Md Kamrul Islam[4]**

10. Health Consequences of Climate Alter in Coast Zones in Bangladesh **Sabbir Mostafa Khan[1], Kakan Dey Riyel[2], Sushanta Kumar Adhilkary[3], Prabir Kumar Chakrabortty[4], Najnin Jannat[5] and Dr. Mohammad Mahbub Alam Talukder[6]**	10.Climate Change Induced Public Health Diseases Burden in Coastal Region **Ifte Khyrul Amin Abbas[1], Sushanta Kumar Adhilkary[2], Kakan Dey Riyel[3], Prabir Kumar Chakrabortty[4], Najnin Jannat[5] and Dr. Mohammad Mahbub Alam Talukder[6]**		10. Towards Sustainable Smart Tourism Destination: A Case Study of Cox's Bazar in Bangladesh **Mohammad Rabiul Kabir[1], Ahmad Kamruzzaman Majumder[2] and Habib Mohammad Ali[3]**
11. Understanding Climate Change Impacts on Riverine Communities: A Comprehensive Analysis for Sustainable Adaptation **Rakib Hossain[1] and Khan Mehedi Hasan[2]**	11. Relationship between Climate Change and Infectious Disease in Bangladesh **Zahidur Rahim[1]**		11. Impact of Microcredit on Poverty Reduction in Bangladesh **Jakia Benta Sonia[1], Syed Rakibul Hasan[2] and Mohammad Ohid Ullah[3]**
12. Assessing the Climate Change Vulnerability of the Local People of Bangladesh: A Case Study of Char Kukrimukri, Bhola **M. Zaman[1,2], L. Rahat, T.H. Muna[3] and A. Ayman[2,3]**	12. Climate Change and Violence against Women: A Scoping Review **Munzur-E-Murshid[1], Duaa Suliman[2], James Chrispin[3], Purwo Setiyo Nugroho[4], Namira Rahman[5], Shadman Newaz[6], Nawzia Yasmin[7], Yoko Shimpuku[8]**		12. Demand Growth, Supply Bottleneck and the Role of Renewables in Power Generation in Bangladesh **Wahida Yasmeen[1], Tasneem Jahan Tumpa[2] and IKM Mokhtarul Wadud[3]**
	13. Climate Change Induced Vulnerability and Adaptation: Perception of Local Communities Regarding Health in Tala Upazila of Satkhira District, Bangladesh **Md Rifat Hossain[1], Md Sojib Molla[2] and Md. Arif Chowdhury[3]**		13. Knowledge and Awareness regarding Demographic Dividend among University Students of Bangladesh: An Empirical Investigation **Md. Sahadat Hosain[1] and Md Abu Bakkar Siddik[2]**
			14. Reviewing Social Inclusiveness among Children, Women, and Older People in Bangladesh: A Secondary Data Analysis **Zannatus Safa[1]**
Tea Break: 3:00 PM - 3:15 PM			

DAY 1 - February 19, 2024 (Monday) Parallel Sessions		
Parallel Session V **Time: 3:15 PM – 4:45 PM**	**Parallel Session VI** **Time: 3:15 PM – 4:45 PM**	**Parallel Session VII** **Time: 3:15 PM – 4:45 PM**
Venue: 932 (Level 9)	Venue: 907 (Level 9)	Venue: 908 (Level 9)
Theme: **Sustainable Agriculture and Food Security**	Theme: **Ecology, Biodiversity, and Sustainable Cities**	Theme: **Health for life**
Chairperson: Dr. Md. Tofazzal Islam Professor and Director Institute of Biotechnology and Genetic Engineering (IBGE) Bangabandhu Sheikh Mujibur Rahman Agricultural University, Gazipur, Bangladesh	**Chairperson:** Dr. Mohammad Najmul Islam Associate Professor Department of Geography and Environment Pabna University of Science and Technology Dr. Sharif Ahmed Mukul Associate Professor and Head Dept. of Environment and Development Studies United International University	**Chairperson:** Prof. Dr. Syed Abdul Hamid Institute of Health Economics University of Dhaka
1. Food Security of Haor People through Climate Smart Agriculture: Prospects and Challenges **Professor Md Ismail Hossain[1] and Iftakhar Ahamd[2]**	1. Development Threatens Sundarbans: Concerns for Fish, Human Health, and Aquatic Ecology **Mir Mohammad Ali[1] and Hamidul Huq[2]**	1. Adverse Consequences of Unqualified Medicinal Guidance in Northern Bangladesh: A Silent Descent towards Fatality **Toiheda khanam Anni[1], Sadia Afrin[2] and Sumaita Zaman[3]**
2. Developing Food Tourism: The Role of Regional Food as Cultural Heritage in Mymensingh of Bangladesh **Rafia Islam Vhabna[1]**	2. Assessing Water Quality and Potential Health Risk of Heavy Metals in Natural Water Ways of the Padma River, Rajshahi **Lotifa Tamanna Toma[1] and Murad Ahmed Farukh[2]**	2. Assessment of the Intricate Relationship between Urban Heat Island (UHI) and Air Pollutants in Dhaka City, Bangladesh **S.M. Shams Kahled Rafi[1] and Md Mujibor Rahman[2]**

3. Participatory Mapping of Climate Risks and Adaptation Plans for Food Security: A Case Study of Khulna District, Bangladesh **Champa Rani Saha[1], Md. Mostafizur Rahman[2] and Syed Arman Akib Rahman[3]**	3. Willingness to Pay for Carbon Offset: A Study on Personal Car Owners in Khulna City **Sharmin Akter Keya[1] and Mohammed Ziaul Haider[2]**	3. Impact of COVID-19 Lives & Livelihood Pattern on Child Laborers of Barishal City Corporation **Md. Muhimenul Islam[1]**
4. Agricultural Paradigm Shift: Enhancing Food and Nutrition Security in Bangladesh **Abu Noman Faruq Ahmmed[1] and Mehedi Amin[2]**	4.Addressing Gender Issues in Community-based Disaster Management: A Study in Flood Affected Areas of Bangladesh **Mohammad Shahjahan[1] and Omar Faruk[2]**	4.The Association between Cumulative Social Risk and Adolescent Obesity: Differences by Race/Ethnicity and Income **Helal Uddin[1], Zobayer Ahmmad[2], Harvey L. Nicholson Jr.[3], Jalal Uddin[4]**
5. Food security in Coastal Area of Bangladesh: A sociological study **Indar Kumar Ziduar[1]**	5.Willingness to Pay for an Improved Mosquito Control System in Chittagong City **Sakir Inteser[1], Sourav Barua[2], Abu Ayub Md. Tahalil[3] and Dewan Golam Azam Tahmid[31]**	5.Economic Burden of Diabetes: A Comparative Study between the Selected Male and Female Patients in "Bangladesh Diabetes Association Center, Joydebpur Branch, Gazipur, Bangladesh" **Fazle Elahi Akbar[1]**
6. Effects of Rootstocks and Methods of Grafting on the Yield and Quality of Summer Tomato **Shreef Mahmood[1]**	6.From Knowledge to Action: Exploring the Relationship between Environmental Literacy and Anti-littering Behavior among the Educated Youth **Sajib Chowdhury[1], Mohammed Ziaul Haider[2] and Md. Karimul Islam[3]**	6.From Urban Hubs to Rural Homes: The Telemedicine Odyssey in Bangladesh's Healthcare Landscape **Jeba Samiha Anu[1]**
7. Understanding the Role of Traditional Agricultural Knowledge in a Changing World Climate: The Case of Bandarban Region	7.Spatial-Temporal Assessment of Habitat Quality and Degradation in Sundarbans Mangrove and Environment,	7.Pooling the Complex Survey Data across the 62 Lower and Middle-Income Countries: A study on

Md. Rakibuzzaman[1], Md. Munzurul Haque[2] and Fatema[3]	Bangladesh **Oladipupo Ademola Ibrahim[1]**	Usage in Under-Five Children **Md Jamal Uddin[1], Md. Fakrul Islam[2], Prosenjit Basak Arka[3], Mahfuzer Rohman[4], Md Sabbir Hossain[5], Talha Sheikh Ahmed[6] and Hasin Anupama Azhari[7]**
8. Integration of Modern Technology and Traditional Knowledge: Way to Promote Locally Led Adaptation in Flower Cultivation in Jashore, Bangladesh **Md. Arif Chowdhury[1], Nishat Otosy Islam[2], Shadia Akhter[3], Sabbir Hossain[4]**	8.Time Series Analysis $PM_{2.5}$ Concentration for Capital City Dhaka from 2016 to 2023 **Ahmad Kamruzzaman Majumder[1], Marziat Rahman[2], Md. Nasir Ahmmed Patoary[3], Abu Muhmmad Kamruzzaman[4], and Rasheduzzaman Majumder[5]**	8. Menstrual Regulation with Medicine (MRM) Service Open a New Era for Safe Abortion by Increasing the Autonomy of Women's Reproductive Justice and Decreasing the Abortion Mortality Rate in Bangladesh **Marzia Hassan Prova[1]**
9. Sowing Seeds of Change: Unveiling Strategies for Sustainable Agriculture and Food Security in Bangladesh **Mst. Monira Khatun[1]**	9.Spatial Distribution of Air Quality in Moulvibazar District Town, Bangladesh: A Winter Time Observation **Ahmad Kamruzzaman Majumder[1], Md. Monjur Hossain[2], Marziat Rahman[3] and and Md Nasir Ahmmed Patoary[4]**	9.Faecal Sludge Management Practice: Impacts on Shallow Groundwater Quality in Proximity and Policy Implications- A case from Mahalaxmi Municipality, Lalitpur, Nepal **Anita Bhuju[1]**
10. A Comparative Profitability Analysis of the Common Crops of a Selected Area in the South-central Coastal Bangladesh **Shraboni Dam[1] and Swarnali Mahmood[2]**	10. Solid Waste Generation, Composition and Potentiality of Waste To Resource Recovery In Narayanganj City Corporation **Md. Jisan Ahmed[1] and M A Taher[2]**	10. A Study of Maternal Health and Access to Healthcare Facilities among the Female Migrant Domestic Workers of Kolkata, India. **Saptaparni Dutta Majumder[1]**
	11. Transformation of Agricultural Land and Waterbodies for Unplanned Urban Expansion in Keraniganj Upazila **Md. Mahbubur Rahman[1] and S M Alauddin[2]**	11. Ensuring Sustainability – Menstrual Hygiene and Waste Management: A study on Hazaribag Slum, Dhaka **MD. Arin Khan[1] and Manisha Sharmin ET[1]**
		12. Hymecromone and Eupatorin Exert Insulin Secretion through PKA-Dependent Pathway **Dr. Hafizur Rahman[1,2]**

		13. Assessing the Challenges of Women's accessing to Healthcare Services in The Rural Bangladesh **Sami Shahajad[1], Tahia Tanajum Yusha[2], Md. Sazid Bhuiyan[3], Chowdhury Nuzzat Binte Kamrul[4]**

DAY 2 **February 20, 2024 (Tuesday)** **Seminar**	
Seminar I **Time: 9:00 AM – 10:30 AM**	**Seminar II** **Time: 9:00 AM – 10:30 AM**
Venue: IRIIC-UIU Seminar Hall (Level 10)	Venue: Smart Room-124 (Level 1)
Theme: **Healthy Village Model by Max Foundation** **Chair:** Prof. Dr. Mujibur Rahman, Professor of Dept. of Civil Engineering and Director, CSIRS, UIU, Former Director, ITN-BUET. **Keynote Speaker:** Riad Imam Mahmud, Country Director, Bangladesh and Nepal, Max Foundation **Panelist:** Mr. Moinul H. Chowdhury, Deputy CEO & Co-founding Director, CMED Health Limited	Theme: **Climate Change and Urban Governance by CPRD** **Chair/Moderator:** Mr. Md. Shamsuddoha Chief Executive, Center for Participatory Research and Development (CPRD), Bangladesh
Tea Break: 10:30 AM-11:00 AM	

DAY 2 February 20, 2024 (Tuesday) Seminar	
Seminar III **Time: 11:00 AM – 12:30 PM**	**Seminar IV** **Time: 11:00 AM – 12:30 PM**
Venue: Smart Room-126 (Level 1)	Venue: UIU Multipurpose Hall (Basement)
Theme: **Inclusive Approach, Sustainable Agriculture and Water Governance**	Theme: **Climate Actions**
1. **Disability & Development by ADD** 2. **SDG 6: Water and Sanitation Governance by DORP** 3. **Agriculture in Mega Deltas by IRRI** **Chair:** Dr. Ataharul Chowdhury, Associate Professor, School of Environmental Design and Rural Development, University of Guelph	**Youth in Climate Actions** by YouthNet and other Youth Organizations **Chair:** Barrister Shameem Haider Patwary Former MP and Former Member of Climate Parliament, Bangladesh **Keynote Speaker:** Sohanur Rahman, Executive Coordinator, YouthNet Global
Lunch Break: 12:30 PM – 2:30 PM	

Day 2 February 20, 2024 (Tuesday) Closing Ceremony	
Time: 2:30 PM - 4:00 PM Venue: UIU Multipurpose Hall	**Chair:** Dr. M. Rezwan Khan, Professor Emeritus, UIU and Director, Institute for Advanced Research, United International University **Conference Closing Speaker:** Dr. A.K.M. Saiful Islam, Professor, Institute of Water and Flood management, BUET, Coordinator, Climate Change Study Cell, BUET, Member, The Institution of Engineers, Bangladesh **Special Guest:** Neeltje Kielen, Delegated Representative, Water Affairs at the Embassy of the Kingdom of the Netherlands in Bangladesh Speech by the Representatives of Co-organizer Organizations of 7th UIU-ICSD 2024 **Vote of Thanks:** Prof. Dr. Hamidul Huq, Director, IDSS, UIU and Convener, 7th UIU-ICSD 2024