



Early career researches Colloquium

Collaboration on Sustainable development and Responding to Climate Change in Central Asia and Afghanistan

Date: January 17, 2022, Tuesday

Starting time 14.00 PM (GMT +6, Almaty)

Zoom link:

<https://us02web.zoom.us/j/82730100665?pwd=eE5ab093NUsyUVRJemhhZEEwQjNFQT09>



January 17, 2022, Tuesday
14.00-14.30 (GMT +6, Almaty)

OPENING Chair: Dr. Barbara Janusz-Pawletta, Kazakh-German University, Almaty, Kazakhstan

Welcome Speech: Dr. Wolrad Rommel, President of Kazakh-German University, Almaty, Kazakhstan

Colloquium overview: Altynai Yespembetova, Kazakh-German University, Almaty, Kazakhstan

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Session I: Sustainability, Sustainable Education

N	Title of the abstract	Authors and affiliations	Editor(s)
1	Look into negative impact of biochar on soil properties: Implication of such impact on Green infrastructure in Silk Road region	Yuetong Lin, Shantou University, China	Dr. Ankit Garg
2	Proposing biochar for suppressing deformation in expansive soils: Towards minimizing damage to infrastructure in Silk Road region	Lina Xiao, Ankit Garg, Shantou University, China	Dr. Ankit Garg
3	Determine the influence of suitable biochar distributed in the Silk Road area on gas fluxility	Qinyue Yao, Shantou University, China	Dr. Ankit Garg
4	Influence of biochar produced from crop residue found along silk road region on the performance of biochar-aided plant microbial fuel cells	Sibin Gan, Shantou University, China	Dr. Ankit Garg
5	Influence of biochar produced from crop residues found along silk road region on soil thermal properties: Towards application of carbon sink material in backfills containing pipelines	Xuekun Liu, , Shantou University, China	Dr. Ankit Garg
6	Evaluation of new biosensors for green roofs using plant microbial fuel cell	Boneng Chen, Shantou University, China	Dr. Ankit Garg
7	Facilitating media literacy to promote education for sustainable development in Kazakhstan universities.	Aigul Yeleussiz, Kazakh National Women's Teacher Training University	MPH, MIA Susan Legro

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Session II: Energy, Land use and food, Water Resources

	Title of the abstract	Author(s) and affiliations	Editor(s)
1	Green hydrogen potential in Kazakhstan	Yedige Tagayev, Kazakh-German University	Dr. Lutz Mez
2	Recycling of agricultural waste.	Kalykova Gulzada Satyvaldievna, Scientific-Research Medical-Social Institute	Dr. Peter Liebelt

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Session II: Energy, Land use and food, Water Resources (continued)

N	Title of the abstract	Authors and affiliations	Editor(s)
3	Calculation methodology of water use plan based on daily hydromodule	Rustam Sagdullayev, Scientific-Information Center of the Interstate Commission for Water Coordination of Central Asia (SIC ICWC), Uzbekistan	Dr. Iskandar Abdullaev
4	Assessment of the hydrobiological regime of reservoirs	Aziz Khaydarov, National Research University “Tashkent Institute of Irrigation and Agricultural Mechanization Engineers”, Uzbekistan	Dr. Iskandar Abdullaev
5	RDS process in water resources management using modeling	Igor Shenberger, Tetra Tech ARD / USAID Contractor, Kazakhstan	Dr. Iskandar Abdullaev



Colloquium presentation outline

1. Entrance of the Editors and official start of the colloquium session (1-2 min)
2. Research presentation . During this (10 min) presentation the young scientist will address the main research question(s), the design of the research and the subsequent results, conclusions and points of discussion.
3. The presenter will take on questions of the supervisors and the audience (5 min)
4. The Editors will assess the presentation and will also address some words towards the presenter, regarding the research (5 min)



Colloquium outcomes

- Project-specific feedback from recognized experts in the field
- Interaction with experts from different countries and Development of new international collaborations
- Publication of the papers in Central Asian Journal of Sustainability and Climate Research ISSN 2958-2709