Facilitating Institution

National University of Mongoliar

Speaker: **Mrs Enkhbat Oyuntselmeg, Osaka University, Japan**
Topic: **A Study of Ecosystem Services and Disservices in Urban Parks in Ulaanbaatar City, Mongolia**

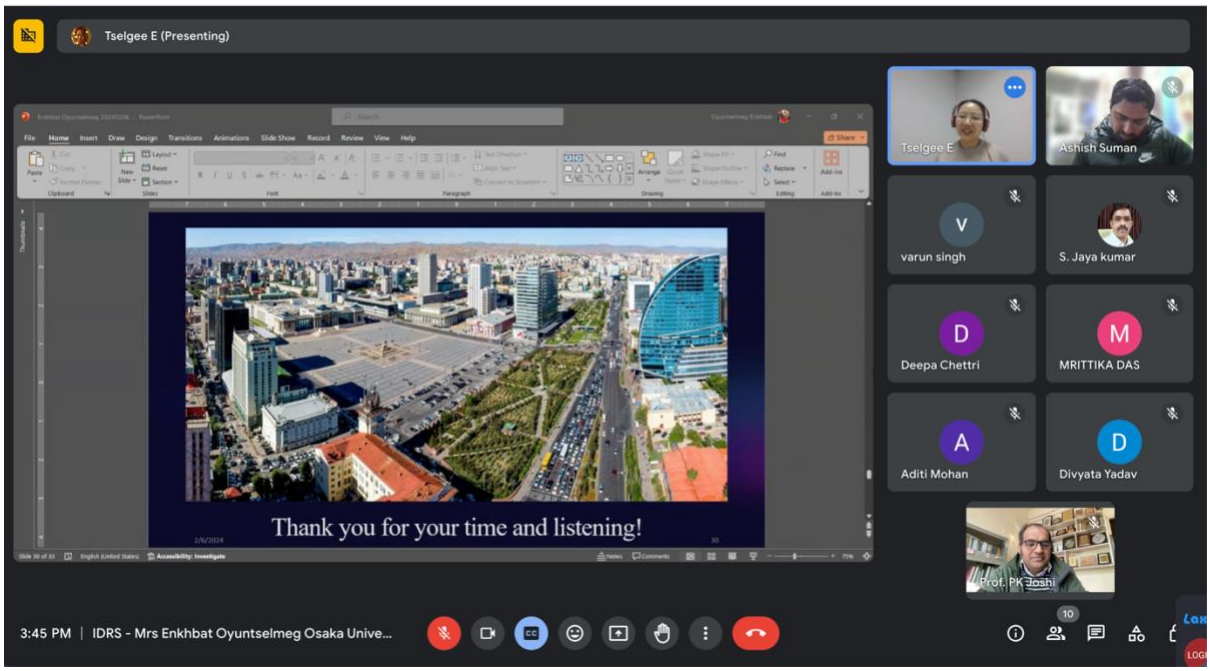
Mrs Enkhbat Oyuntselmeg discusses that the Urban parks play a crucial role in the ecological and social fabric of cities, offering a range of ecosystem services that benefit the environment and the well-being of residents. However, they can also present certain disservices that may detract from their overall value. This study investigates both the ecosystem services and disservices of urban parks in Ulaanbaatar, Mongolia, addressing a significant gap in related research within the country. By focusing on prominent parks such as the National Garden Park and Misheel Garden, this research aims to inform the design and management of urban green and blue infrastructure to better meet community needs.

The primary objective of this study is to understand the dual role of urban parks in providing ecosystem services and disservices in Ulaanbaatar. To achieve this, a mixed-methods approach is employed, combining qualitative and quantitative research methods. Key components of the research include: (1) Ecosystem Services Assessment - Evaluating the positive contributions of urban parks, such as air quality improvement, temperature regulation, recreational opportunities, and aesthetic value. (2) Ecosystem Disservices Analysis - Identifying negative aspects, including maintenance challenges, pest prevalence, and potential safety concerns. (3) Community Engagement - Conducting surveys and interviews with park visitors and local residents to gather insights into their perceptions and experiences related to urban parks. While the survey component of the study is still pending, preliminary observations and literature reviews have set a solid foundation for the anticipated outcomes.

The research is expected to yield several key insights and outcomes on Ecosystem Values, Residents' Attitudes, Public Awareness, and Policy Recommendations. This research is poised to make a significant contribution to the field of urban ecology in Ulaanbaatar. By addressing the gap in existing studies on urban ecosystem services and disservices in Mongolia, it provides valuable data and insights that can inform future urban planning and policy decisions. The focus on community engagement ensures that the findings are grounded in the lived experiences of local residents, making the recommendations more relevant and actionable.

The findings from this study will be instrumental in guiding the development and management of urban green and blue infrastructure in Ulaanbaatar. Key implications include - Design Considerations, Maintenance Strategies, and Policy Development. The study of ecosystem services and disservices in urban parks in Ulaanbaatar is a crucial step towards sustainable urban development in Mongolia. By providing a detailed analysis of both the benefits and challenges associated with urban parks, this research offers a holistic perspective that can guide future efforts in urban planning and environmental management. The anticipated outcomes will not only enhance the understanding of urban ecology in Ulaanbaatar but also contribute to the global discourse on sustainable cities and the vital role of urban green and blue infrastructure.

More questions pertaining to Mrs Enkhbat Oyuntselmeg's research work can be corresponded through her email- oyunerdene439@gmail.com


Tselgee E (Presenting)
Thank you for your time and listening!
Tselgee E
Ashish Suman
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S. Jaya kumar
Deepa Chettri
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Aditi Mohan
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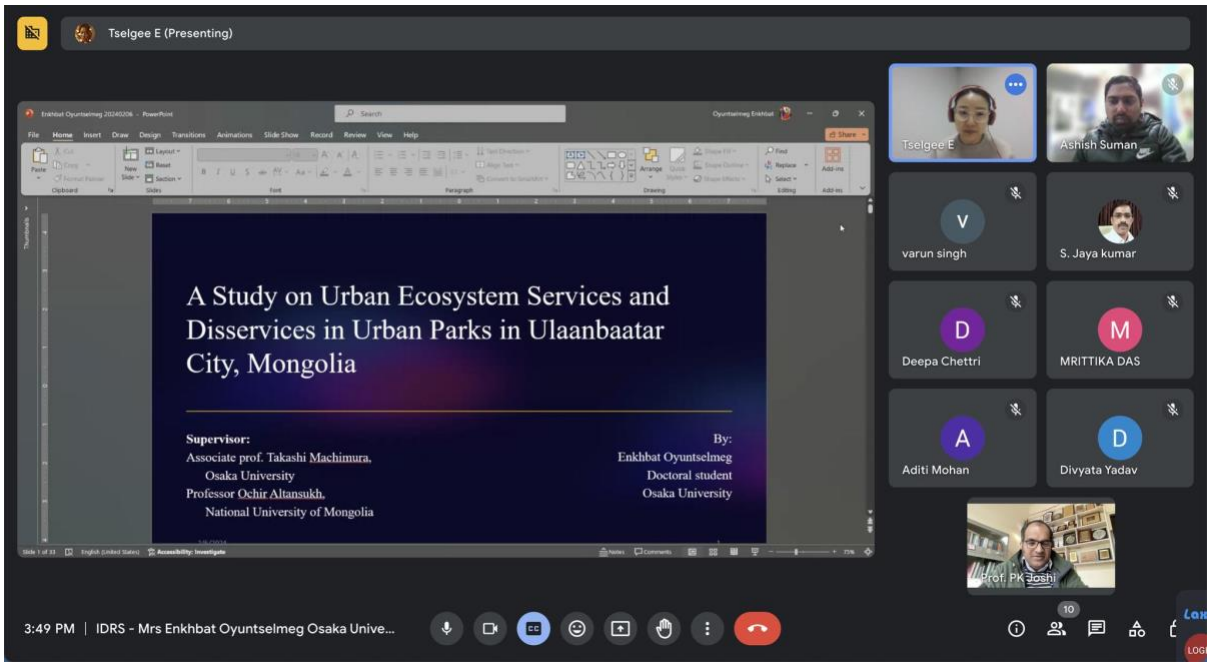
Tselgee E (Presenting)
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