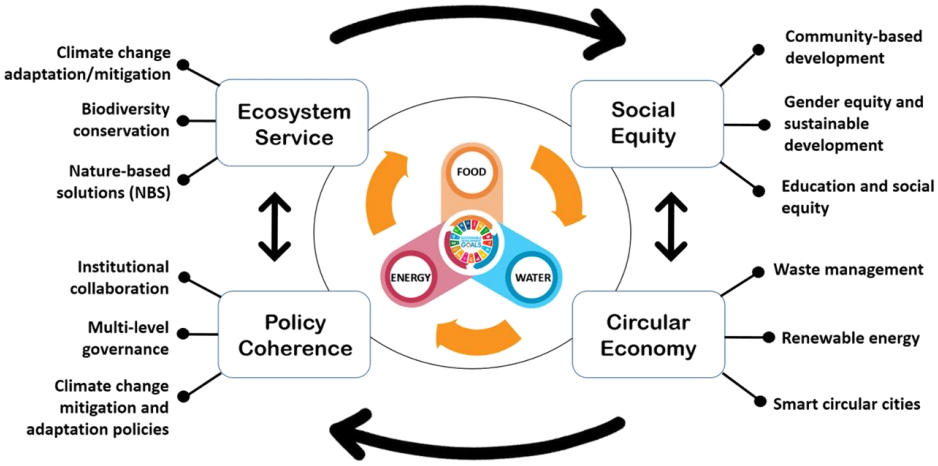
Graduate Institute of Sustainability Management and Environmental Education

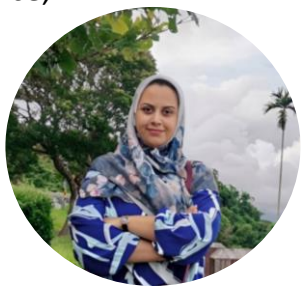
Nexus Approach for Sustainable Development

My research area is based on the Nexus Approach for Sustainable Development, which aims to promote comprehensive, cross-sectoral solutions to the complex challenges of resource management while fostering resilience, equity, and environmental sustainability. My research interests are primarily concerned with the interconnectedness and interdependence of urban water, energy, and food systems. This includes evaluating resource flows, finding potential synergies and trade-offs, and devising integrated strategies to maximize resource usage, reduce negative consequences, and ensure a sustainable future for both human societies and the natural environment.



Conceptual Framework of Nexus Approach for Sustainable Development

Hoda Fakour, Assistant Professor,
Graduate Institute of Sustainability Management & Environmental Education, College of Science,
National Taiwan Normal University;
hfakour@ntnu.edu.tw



Background:

Ph.D. in Environmental Engineering,
National Cheng Kung University, Taiwan.

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Publications

- **Hoda Fakour**, Moslem Imani, Shang-Lien Lo, et al. (2023). Evaluation of solar photovoltaic carport canopy with electric vehicle charging potential, *Scientific Reports,* 13, 2136.
- Moslem Imani, Shang-Lien Lo, **Hoda Fakour**, et al. (2022). Conceptual Framework for Disaster Management in Coastal Cities Using Climate Change Resilience and Coping Ability, *Atmosphere,* 13(1), 16.
- **Hoda Fakour**, Shang-Lien Lo, Nathan Thadeo Yoashi, et al. (2021). Quantification and Analysis of Microplastics in Farmland Soils: Characterization, Sources, and Pathways, *Agriculture*, 11(4), 330; https://doi.org/10.3390/agriculture11040330.