

My research interests mainly focus on the designing and planning for sound-science wetlands and envisioning the future of detecting the concepts of environmental literacy from citizens in structural equation modelling. I am interested on restoration ecology, environmental impact assessment, environmental education, wetland science, and the theory and practice of planning and design toward sustainability from societal and pedagogical perspective.

### Techniques used in study

Modelling and monitoring; Geographic Information System; Habitat analysis; Environmental design; Ecological planning; Societal science; Questionnaire and interviews; Drones research

**Wei-Ta Fang**, Professor and Director  
Graduate Institute of Environmental Education,  
College of Science, National Taiwan Normal University

### Background:

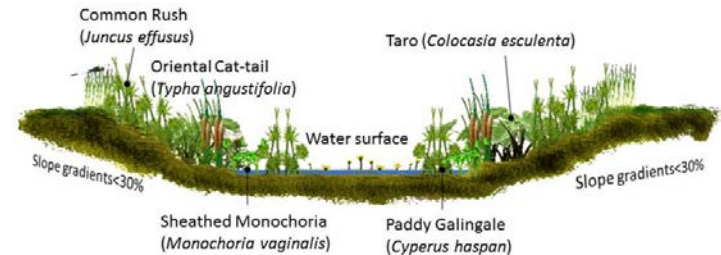
Ph.D. in Ecosystem Science and Management,  
Texas A&M University, TX, U.S.A.

### Funding:

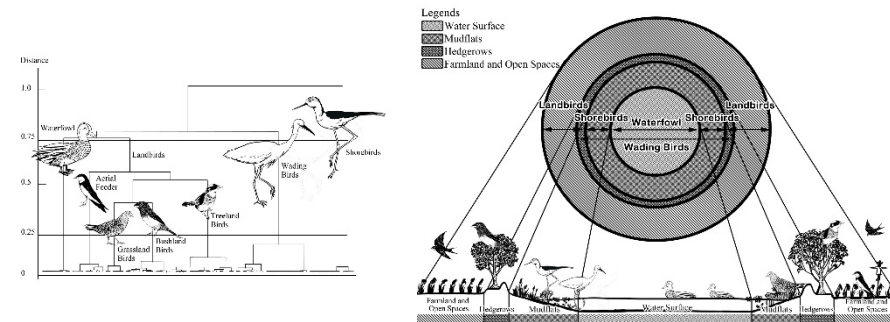
Ministry of Science and Technology; National Taiwan Normal University; National Geographic Society; Ramsar (RRC-EA)



### Design and Planning for Sound-science Wetlands:



### Environmental and habitat studies :



### Publications

- Fang\*, W.-T.; Cheng, B.-Y.; Shih, S.-S.; Chou, J.-Y.; and Otte, M.-L. 2016. Modelling driving forces of avian diversity in a spatial configuration surrounded by farm ponds. Paddy and Water Environment 14:185-197.
- Hsu, C.-H., Chou, J.-Y., and Fang\*, W.-T. 2019. Habitat selection of wintering birds in farm ponds in Taoyuan, Taiwan. Animals 9, 113
- Fang\*, W.-T.; Chiang, Y.-T.; Ng, E.; Lo, J.-C. Using the Norm Activation Model to predict the pro-Environmental behaviors of public servants at the central and local Governments in Taiwan. Sustainability 2019, 11, 3712.

