

YU-PEI TSEN

PERSONAL DETAILS

Full name	Yu-Pei Tseng
Contact details	+886-3366-2467 r09b44009@ntu.edu.tw No. 1, Sec. 4, Roosevelt Rd., Taipei 10617, Taiwan
Nationality	Taiwan (R.O.C.)
Languages spoken and proficiency level for each	Mandarin (native) English (waiting for the TOEFL score)

EDUCATIONAL QUALIFICATIONS AND ACADEMIC AWARDS

09/2020 – 06/2022	Master of Science (GPA: 4.19/ 4.30), Institute of Ecology and Evolutionary Biology (M.S.), National Taiwan University, Taipei, Taiwan Thesis title: “ <i>Landscape effects on local species richness of woody specialists in Subtropical Montane Cloud Forest of Taiwan</i> ” (6,394 words) Advisor: Dr. David Zelený
01/2020 – 05/2020	Exchange student, Department of Biology, University of Oulu, Finland
09/2016 – 06/2020	Bachelor of Science (GPA: 4.09/ 4.30), Life Sciences, National Chung Hsing University, Taichung, Taiwan Academic Excellence Award (2017, 2018 & 2019) Dean’s Award (2017 & 2018)

PROFESSIONAL AFFILIATIONS AND MEMBERSHIPS

None to date

EMPLOYMENT HISTORY

2022 - present	Theoretical Ecology Lab (Supervisor: Dr. Po-Ju, Ke) <i>Research Assistant</i> <ul style="list-style-type: none">Involved in the project “<i>The temporal decay trajectory of plant-soil microbe interactions and its effects on plant community structure</i>”, and responsible for DNA extraction, library preparation, and bioinformatics analysis of next-generation sequencing as well as greenhouse experiment.Designed a new project investigating the soil microbe community of bird’s nest fern (<i>Asplenium nidus</i>) to understand how the microbe community change along different ages of the host (bird nest’s fern). Responsible for field sample collection, DNA extraction, library preparation, and bioinformatics analysis of next-generation sequencing as well as data analysis.Built a theoretical model to investigate how host-microbiome associations
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differ from classic metacommunity systems due to host behavior.

OTHER RESEARCH EXPERIENCE

2020 - 2022	Vegetation Ecology Lab (Supervisor: Dr. David Zelený) <i>Master Student</i> <ul style="list-style-type: none"> Investigated how the landscape affects the local species richness of woody specialists in the subtropical montane cloud forest of Taiwan. Attained programming skills in geographic information systems (GIS). Understand theory about numerical methods in community ecology and programming skills. Acquired fieldwork techniques of vegetation survey. Obtained knowledge of plant functional traits and experienced in empirical traits measurements and analysis.
2017 - 2020	Phytobacteriology and Microbial Ecology Lab (Supervisor: Dr. Chia-Ching Chu) <i>Bachelor Direct Study</i> <ul style="list-style-type: none"> Proposed and implemented an undergraduate research project (supported by the National Science and Technology Council) about an investigation of the gut bacterial community in the lychee stinkbug (<i>Tessaratoma papillosa</i>) and understood how the gut bacterial community affects host fitness. Acquired basic knowledge about numerical methods in community ecology and basic programming skills
08/2018	Pasoh Forest Reserve, Malaysia <ul style="list-style-type: none"> Field survey and data analysis about the project relevant to seedling establishment, wild boar population monitoring, relationship between tree crown and buttress, termite mound distribution, and seed dispersal.
07/2017	Dr. Cecilia Koo Botanic Conservation Center, Taiwan <i>Internship</i> Attained knowledge and techniques of ex-situ conservation of tropical plants.

RESEARCH OUTPUT

Conference	<p>Y.-P. Tseng, D. Zelený. Do subtropical montane cloud forests in Taiwan act as insular systems for woody species. 63rd International Biogeography Society 10th Biennial Conference. Jun. 2-6, 2022. Vancouver, Canada [Virtual talk].</p> <p>Y.-P. Tseng, D. Zelený. Do subtropical montane cloud forests in Taiwan act as insular systems for woody species. 63rd International Symposium of the International Association for Vegetation Science. Sep. 20-23, 2021. Virtual event [Poster].</p> <p>Y.-P. Tseng, C.-J. Han, and C.-C. Chu. Investigation of the gut bacterial community in the lychee stinkbug (<i>Tessaratoma papillosa</i>). 9th International Conference of Clinical Plant Science. Dec. 1, 2018. Taichung, Taiwan [Poster].</p>
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RESEARCH GRANTS AND RELEVANT AWARDS

2021	Young Scientist Poster Presentation Award, Second Prize 63rd International Symposium of the International Association for Vegetation Science
2019 – 2020	“ <i>Investigation on the gut bacterial community of the lychee stinkbug (Tessaratoma papillosa) and its effect on host fitness</i> ” (project number: 108-2813-C-005-085-B), Undergraduate research fellowship, National Science and Technology Council, Taiwan (\$ 1,560)
2018	Best Presentation Award 9th International Conference of Clinical Plant Science

ACADEMIC REFEREES

Name	David Zelený (master thesis advisor)
Title	Associate Professor
Employing organization	Institute of Ecology and Evolutionary Biology, National Taiwan University, Taipei, Taiwan
Contact information	zeleny@ntu.edu.tw +886 233662512 No. 1, Sec. 4, Roosevelt Rd., Taipei 10617, Taiwan
Name	Po-Ju Ke (employer)
Title	Associate Professor
Employing organization	Institute of Ecology and Evolutionary Biology, National Taiwan University, Taipei, Taiwan
Contact information	pojoke@ntu.edu.tw +886 233662467 No. 1, Sec. 4, Roosevelt Rd., Taipei 10617, Taiwan