YU-PEI TSENG

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| **PERSONAL DETAILS** | | |
| Full name | | Yu-Pei Tseng |
| Contact details | | +886-3366-2467  [r09b44009@ntu.edu.tw](mailto: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 |
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| **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: “*Landscape effects on local species richness of woody specialists in Subtropical Montane Cloud Forest of Taiwan*” (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) | | |
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| **EMPLOYMENT HISTORY** | | | |
| 2022 - present | **Theoretical Ecology Lab (Supervisor: Dr. Po-Ju, Ke)**  *Research Assistant*   * Involved in the project “*The temporal decay trajectory of plant-soil microbe interactions and its effects on plant community structure*”, 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 (*Asplenium nidus*) 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 differ from classic metacommunity systems due to host behavior. | | |
| **RESEARCH EXPERIENCE** | | | |
| 2020 - 2022 | **Vegetation Ecology Lab (Supervisor: Dr. David Zelený)** | | |
|  | *Master Student*   * 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). * Understanded 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)** | | |
|  | *Bachelor Direct Study*   * 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 (*Tessaratoma papillosa*) and understanded how the gut bacterial community affects host fitness. * Acquired basic knowledge about numerical methods in community ecology and basic programming skills | | |
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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 | “*Investigation on the gut bacterial community of the lychee stinkbug (Tessaratoma papillosa) and its effect on host fitness*” (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 | | |
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| **OTHER RESEARCH EXPERIENCE** | | | |
| 08/2018 | **Pasoh Forest Reserve, Malaysia** | | |
|  | * 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** | | |
|  | *Internship*   * Attained knowledge and techniques of ex-situ conservation of tropical plants. | | |
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| **RESEARCH OUTPUT** | | | |
| **Conference** | **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].  **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].  **Y.-P. Tseng**, C.-J. Han, and C.-C. Chu. Investigation of the gut bacterial community in the lychee stinkbug (*Tessaratoma papillosa*). 9th International Conference of Clinical Plant Science. Dec. 1, 2018. Taichung, Taiwan [Poster]. | | |
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| **TEACHING EXPERIENCE AND RELEVANT AWARDS** | | | |
| 2022 | Excellent Teaching Assistant Award | | |
| 02/2022 – 06/2022  02/2021 – 06/2021  09/2020 – 01/2021 | General Botany Lab | | |
| 09/2021 – 01/2022 | Introduction to R for Ecologists | | |
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| **LEADERSHIP EXPERIENCE** | | | |
| 2021 - present | **The Student Association of the Institute of Ecology and Evolutionary Biology, National Taiwan University** | | |
|  | *Vice director* | | |
| 2018 - 2019 | **Life Science Exhibition, National Chung Hsing University** | | |
|  | *Chief Executive Officer* | | |
| 2017 - 2018 | **The Student Association of the Department of Life Science, National Chung Hsing University** | | |
|  | *Executive Secretary* | | |