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| **Institution name:** | **National Pingtung University of Science and Technology** | | |
| **Contact person:** | Pearl CHANG | **Website:** | https://dtaic.npust.edu.tw/en/teacher/pearl-pei-chun-chang/ |
| **Contact information** | [pearlchang@gmail.com](mailto:pearlchang@gmail.com) | | |
| **Short description of the institution :**   * **Lab description**   Plant Growth-Promoting Bacteria, Sustainable Agriculture Practices, Biocontrol, Black Soldier Fly, Molecular Biology | | | |
| **Competence in** R&D Manufacturing  Software  Services  Testing domain | | | |
| **Capabilities:**  My lab specializes on beneficial rhizobacteria isolation and various aspects on sustainable agriculture & agro-waste upcycling. Past and current students in my lab come from Taiwan, Indonesia, St. Kitts, Indian, Haiti, and Gambia. Our lab is equipped with all the lab fundamentals, such as a whole-spectrum spectrophotometer, high-speed centrifuge, and PCR. We have access to facility including HPLC, luminometer, gel imaging system, greenhouses, qPCR machine, flow cytometer etc... | | | |
| **Relevant projects:**  1. Isolation of plant growth promoting bacteria for saline soil  2. Chitinase-producing bacteria to control honeybee mites  3. Biocontrol of plant fungal disease  4. Algae production using animal waste water, 5. Application of black soldier fly cocoons for agriculture. | | | |
| **I am interested in:**  A sustainable agriculture-centered research that can be applied to benefit agriculture in tropical regions. I am open to ideas! | | | |