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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  |
| **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 soil2. Chitinase-producing bacteria to control honeybee mites3. Biocontrol of plant fungal disease4. 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! |