

## Session Twelve – Herbal Resources (Authentication, Cultivation, Quality Control, Manufacturing, Regional Development, Endangered Species, Herb Genetics)

| No.   | Paper | Presentation Title                                                                                                                                     | Presenter                       |
|-------|-------|--------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------|
| 12-3  | 0037  | Development of a PCR-RFLP Assay for the Rapid Discrimination of <i>Pleuropterus multiforus</i> (Heshouwu) and Related Adulterants                      | Ngoc-Phuoc Ngo                  |
| 12-5  | 0051  | The Anti-inflammatory and Anticancer Properties of Australian Indigenous Medicine                                                                      | Kayla Jaye                      |
| 12-7  | 0092  | Taiwan Herbal Pharmacopeia and Quality Control of TCM Herbs and Herbal Preparations                                                                    | Yuan Shium Chang                |
| 12-8  | 0093  | Optimization of Bioactive Compound Extraction from Teak ( <i>Tectona grandis</i> L.f.) Leaves Using Response Surface Methodology                       | Natthawadee Tibkawin            |
| 12-9  | 0100  | Rapid Bar-HRM Assay for Species Authentication of <i>Pinellia ternate</i> and its Common Adulterants                                                   | Jui-Chi Hung                    |
| 12-11 | 0136  | Enhancing Kakadu Plum Bioactivity via Lactic Acid Bacterial Fermentation: Metabolomic Insights                                                         | Indeewarie Hemamali Dissanayake |
| 12-14 | 0153  | Climate Change Reshapes Habitat Suitability and Medicinal Quality of Daodi Medicinal Plants in China: A systematic Review                              | Marce Inggritha Takubessi       |
| 12-17 | 0214  | Authentication and Toxicological Differentiation of Two Closely Related Rattan Species in Sarawak                                                      | Nurqilah Binti Othman           |
| 12-18 | 0226  | UPLC-DAD Fingerprint Profiling and Chemometric Differentiation of Polyphenols in <i>Avicennia officinalis</i> and <i>Avicennia Marina</i> from Vietnam | Tuyet Ngan Duong                |
| 12-21 | 0252  | Quality Analysis of Raw Material and proprietary Products of Goat Bezoar, a Mysterious Traditional Medicine                                            | Hau Yee Fung                    |
| 12-24 | 0269  | Development of HerBChain Platform for Quality Assurance of Herbal Material and Products                                                                | Johnson Jor-Shing Chan          |

**Chair: Professor Pang Chui SHAW**

**Co-Chair: Professor Yuan Shium CHANG**

**Categorization of Presentations and Opinions from Participants:**

1. Authentication and Quality Control: 12-3, 12-9, 12-17, 12-18, 12-21
  - Increase the number of samples, collaborate with people in other areas/countries for observing the diversity, include functional assays, need to know the buffer composition for optimizing the experimental conditions, may need to change the Chinese name for the bezoar medicinal material
2. Comprehensive study and Review of Herbs and Herbal Material: 12-5, 12-7, 12-14
  - Appreciate the long-term efforts of Prof. Chang for generating the pharmacopeias
3. Processing and Record of Herbal Material: 12-8, 12-11, 12-24
  - Important to have a platform to properly recording the herbal material and products, from growth to sale