

The Yuan Pei University of Medical Technology Participated in the 2019 Thailand International Invention Exhibition IPITEX Achieved Two Gold Medals

Reporter: 李良才

The exhibition was jointly developed by the Department of Medical Imaging and Radiation Technology, the development of pulsed light integrated micro-light apply in aesthetic medicine instrument, and the development and research of micron-light applied to termite mushroom cultivation, respectively, and won the gold medal first prize, and won the special invention and innovation of Romania in Europe. Achieved two golden medals and Certificates, Best Discovery and Business Invention Award.

The students of Yuan Pei Medical Imaging Technology Department, Wu Shihan and Chen Jialun, won the gold medal first prize under the guidance of Prof. Lin Zhaoifei, You Chengqing and Ding Jianyi, won the European Romanian Special Invention and Innovation Medal by the project of combination of pulse light and micro-light apply in aesthetic medicine instrument.

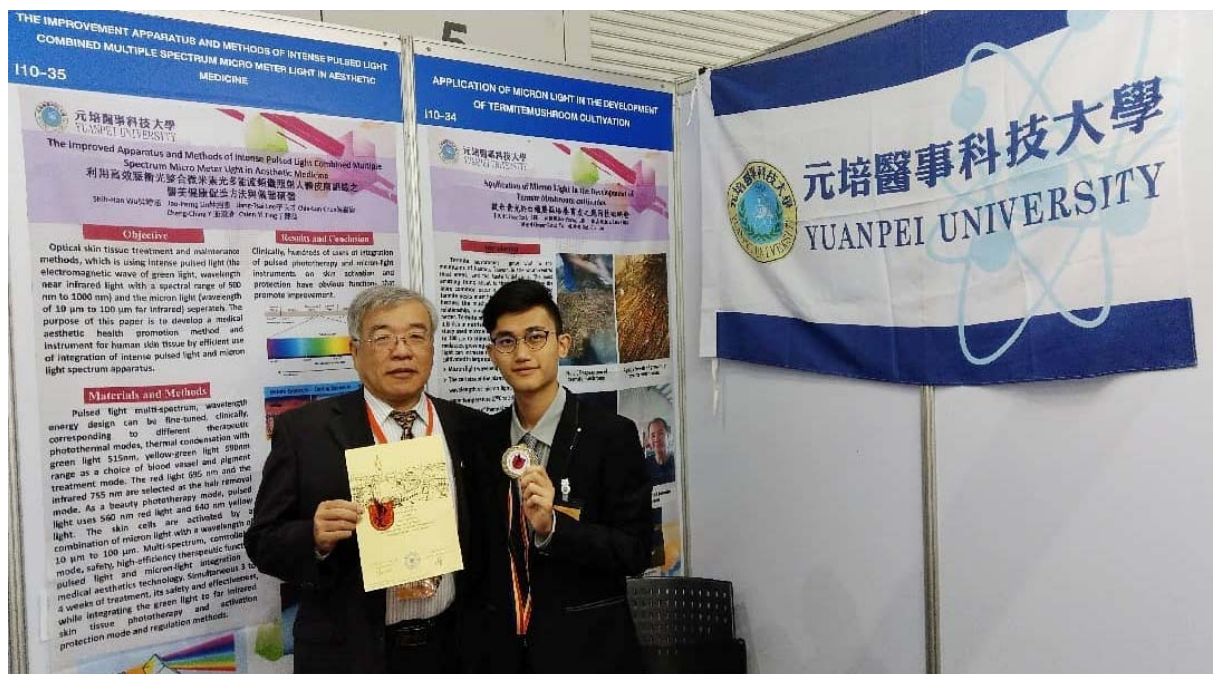
The students of Yuan Pei Medical Imaging Technology Department, Li Liangcai, Chen Jialun, Wu Shihan, Cai Zhongwen, Lin Shuru, Wang Wei, Bai Zongting, Cai Jiabin, and Huang Yuwen under the guidance of Teacher Lin Zhaoying, You Chengqing, Ding Jianyi and Guo Qiongwen, won the gold medal first prize, and also awarded the IPITEX Best Discovery and Commercial Invention Award by the project of application of micron-light in the development of termite mushroom cultivation. This project was awarded the Gold Medal First Prize of the Kaohsiung International Invention Exhibition in Taiwan in 2018.

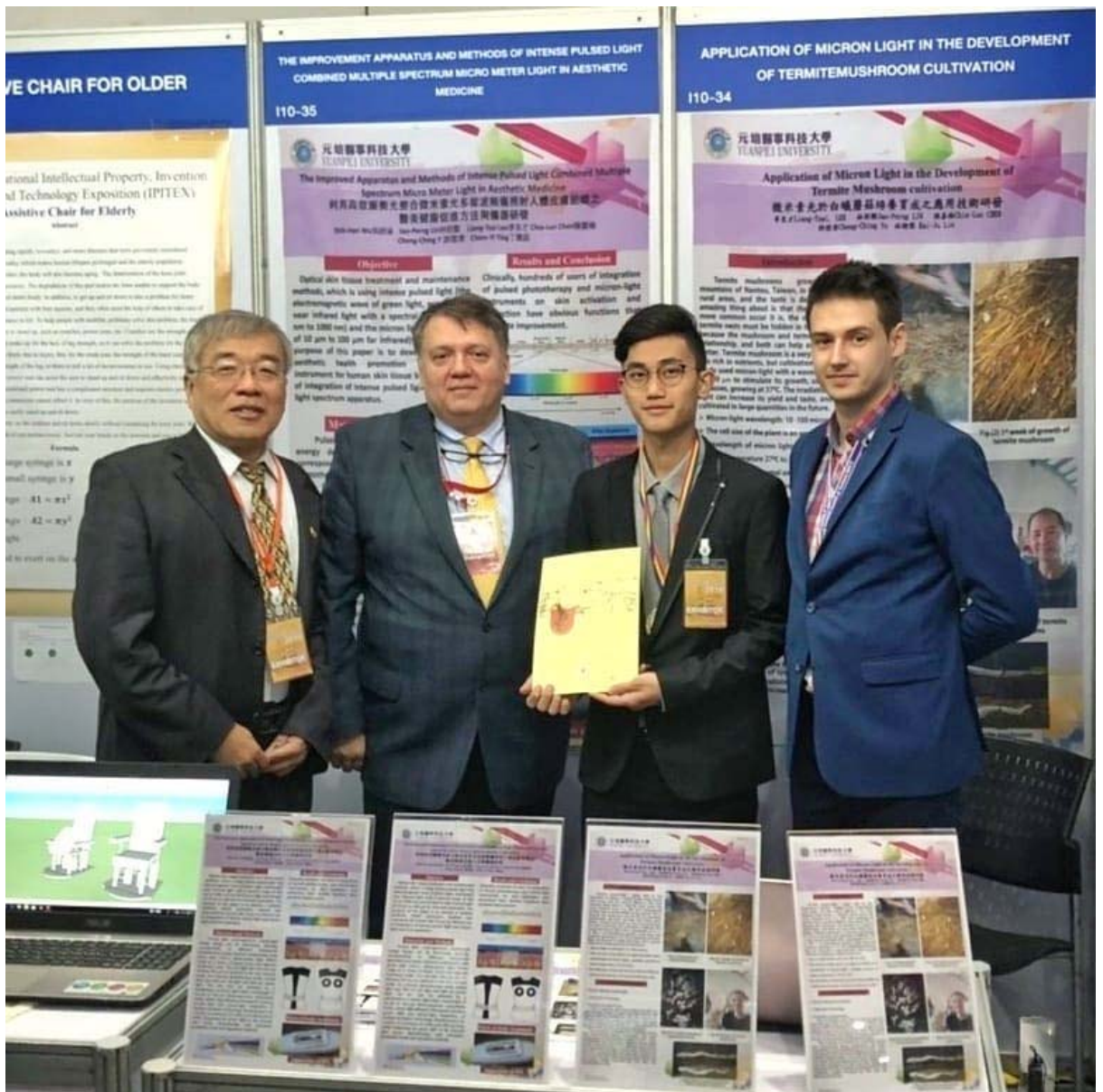
"The application of the micro-light in the development of termite mushrooms cultivation." The taste and specificity of termite mushrooms have become a valuable topic for mushroom foods. They are rich in polysaccharides, amino acids, iron, calcium and other nutrients, but cultivation is very difficult. The purpose of using micron-light in termite mushroom cultivation technology is to develop yield and promote the growth of sweet termite mushrooms.

The range of micron light wavelength is between 10 and 100 microns. The wavelength is close to the cell size of the plant, and the incubation temperature is 27 to 33 degrees. It produces thermal and non-thermal effects and has the function of activating termite mushroom cells.

“The Improved Apparatus and Methods of Intense Pulsed Light Combined Multiple Spectrum Micro Meter Light in Aesthetic Medicine”. Optical skin tissue treatment and maintenance methods, which is using intense pulsed light (the electromagnetic wave of green light, wavelength near infrared light with a spectral range of 500 nm to 1000 nm) and the micron light (wavelength of 10 um to 100 um far infrared) separately. The purpose of this project is to develop a medical aesthetic health promotion method and instrument for human skin tissue by efficient use of integration of intense pulsed light and micron light spectrum apparatus.

The 2019 Thailand International Invention Exhibition IPITEX (Thailand National Invention Day) is quite large, with the government's full support of the exhibition, and Taiwan has participated by more than 40 inventions.





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