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Education

- PhD, Chemistry Engineering, National Chen Kung University, Taiwan. 1998

Area of Specialty

Functional Food, Biotechnology Industry, Brewing industry.

Academic Experience

- Professor, Department of Biotechnology and Food Technology, 2019/8 to present
- Professor, Department of Biotechnology, 2012/3 to 2019/7
- Associate Professor, Department of Biotechnology, 2005/1 to 2012/2
- Assistant Professor, Department of Biotechnology, 2002/8 to 2004/12

Publications

Journal Paper

- Lin, Shih-Jie, Ming-Cheng Chen, Yu-Kuang Hu, Chun-Sheng Chang and Der-Nan Lee, "Effects of dietary multi-nutrient supplements on Duroc boar semen quality during the subtropical hot season", *Journal of Chinese Society of Animal Science*, 49(1) : 41-59.
- Ng, I. S., Zheng, X., Chen, B. Y., Chi, X., Lu, Y. and Chang, C. S. (2013). Proteomics Approach to Decipher Novel Genes and Enzymes Characterization of a Bioelectricity-generating and Dye-decolorizing Bacterium *Proteus hauseri* ZMd44. *Biotechnology and Bioprocess Engineering* 18: 8-17
- Chang, C. S. and Ho, S. C., (2011). Enantioselective esterification of (R,S)-2-methylalkanoic acid with *Carica papaya* lipase in organic solvents. *Biotechnol Lett*, 33:2247–2253 [NSC- 96-2221-E-218 -029]

Conference Paper

- Hsu, Sheng-Yuan and Chun-Shen Chang(2020), "Study the effect of different culture conditions on the growth and metabolites of *Armillaria mellea*", 2020 China Medical University and Asia University Joint Conference on Biotechnology.
- Chun-Sheng Chang(2018), "Current Situation and Prospect of Applied Biotechnology Industry in Taiwan", The 30th Annual Meeting of the Thai Society for Biotechnology and

International Conference (TSB2018).

- Chu-An Yang, Chun-Sheng Chang(2018), Edible bird's nest protein hydrolysates decrease melanogenesis in B16F10 mouse melanoma cells , Proceedings of the Engineering Workshop 2018.
- Su-Ting Yang, Chun-Sheng Chang(2017), , Biological activity of Cistanche deserticola extract , Proceeding of the 2017 BEST Conference & International Symposium on Biotechnology and Bioengineering.

Dissertation

Chang, Chun-Sheng (1998) "*Enantioselective synthesis of (S)-Naproxen ester prodrug and dynamic kinetic resolution of (S)-Naproxen by lipases in organic solvent,*" Ph.D. Dissertation, National Chen Kung University.

Patent

2017, Lipid Soluble Extract Of Punica Granatum L. Fruits, And The Preparation Process And Uses Thereof, R.O.C. (Taiwan), I571262

Academic and professional Service

- Executive Supervisors of Taiwan Biotechnology Industry Alliance, 2019/2-
- Chairman of Taiwan Biotechnology Industry Alliance, 2016/2-2019/1
- Director of the consulting group for Small and Medium Enterprises in Tainan City .2011-
- Director of Department of Biotechnology, 2013/8 to 2018/7