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ACADEMIC BACKGROUND

1. Ph.D. (Pharmacy), Graduate Institute of Pharmaceutical Science, Kaohsiung Medical University (1999~2004)
2. B.Pharm., School of Pharmacy, Kaohsiung Medical University (1995~1999)

PROFESSIONAL EXPERIENCE

1. Deputy Director, Agricultural Biotechnology Research Center, Academia Sinica (2022~)
2. Associate Research Fellow, Agricultural Biotechnology Research Center, Academia Sinica (2020~)
3. Assistant Research Fellow, Agricultural Biotechnology Research Center, Academia Sinica (2011~2020)
4. Adjunct Associate Professor: Institute of Biotechnology, National Taiwan University; Biotechnology Center, National Chung Hsing University; Department of Marine Biotechnology and Resources, National Sun Yat-sen University; Graduate Institute of Natural Products, Kaohsiung Medical University; The Agricultural College, Tung-Hai University; Graduate Program in Translational Agricultural Sciences, National Cheng Kung University; Department of Microbiology, Immunology and Biopharmaceuticals, National Chiayi University.
5. Postdoctoral Research Fellow, Agricultural Biotechnology Research Center, Academia Sinica (2011)
6. Staff Research Associate, Skaggs School of Pharmacy and Pharmaceutical Science, University of California, San Diego (2010~2011)
7. Postdoctoral Research Fellow, Skaggs School of Pharmacy and Pharmaceutical Science, University of California, San Diego (2009~2010)
8. Postdoctoral Research Fellow, Institute of Biological Chemistry, Academia Sinica (2004~2008)

AWARDS AND HONORS

1. Outstanding Service Award, as an Editor of *mSystems* (2023)
2. Outstanding Paper Award, The Society of Chinese Natural Medicine (2022)
3. Excellent Young Scholars Project, MOST (2022~2025)

4. Outstanding Reviewer of *Journal of Food and Drug Analysis* (2018~2021)
5. Ta-You Wu Memorial Award (吳大猷先生紀念獎) (2016)
6. In *the Analytical Scientist's* 2014 Top 40 Under 40 list of researchers (2014)
7. Li Foundation Heritage Prize for "Excellence in Creativity" (40,000 USD) (2012)
8. Outstanding Post-Doctor Researchers Conference Travel Grant, Foundation for the Advancement of Outstanding Scholarship, Taiwan (2008)
9. Regular Postdoctoral Fellowship of Academia Sinica (Math & Physical Sciences, 2008~2009; Life Sciences, 2006~2008)

MEMBERSHIPS IN PROFESSIONAL SOCIETY

1. The American Society of Pharmacognosy
2. Taiwan Society for Mass Spectrometry
3. The Society of Chinese Natural Medicine (Supervisor, 2019~2025)

PROFESSIONAL ACTIVITIES AND SERVICE

1. Editorial board of *mSystems* (Published by the American Society of Microbiology) (2015~2026)
2. Reviewer of scientific journals: *ACS Applied Materials & Interfaces*, *ACS Central Science*, *Advanced Functional Materials*, *Analytical Chemistry*, *Analytical Sciences*, *Applied Microbiology and Biotechnology*, *Applied Sciences*, *Biocatalysis and Agricultural Biotechnology*, *Botanica Marina*, *Botanical Studies*, *Chemical Communications*, *Computational and Structural Biotechnology Journal*, *Food Chemistry*, *Frontiers in Microbiology*, *Fungal Genetics and Biology*, *International Journal of Molecular Sciences*, *Journal of Biomedicine and Biotechnology*, *Journal of Food and Drug Analysis*, *Journal of Proteome Research*, *Marine Drugs*, *Marine Genomics*, *Metabolic Engineering*, *Microbial Pathogenesis*, *Molecular BioSystems*, *Molecular Plant-Microbe Interactions*, *Molecules*, *Nature Chemical Biology*, *Nature Communications*, *Natural Product Reports*, *Organic & Biomolecular Chemistry*, *Phytochemistry*, *Phytopathogen*, *Plant Disease*, *Planta Medica*, *RSC Advances*, *Scientific Reports*, and *Virulence*.
3. Grant reviewer (初審委員), Ministry of Science and Technology (MOST), Taiwan (2012~)
4. Evaluation committee (複審委員), Pharmacy and Chinese Medicine Division, Department of Life Sciences, MOST (2018~2019)
5. Organizing committee of 34th Symposium on Natural Products (2019)
6. Organizing committee of 15th Meeting of the Consortium for Globalization of Chinese Medicine (2016)
7. Organizing and Scientific Committee of the 52nd Annual Meeting of the American Society

of Pharmacognosy (2011)

COMMUNITY SERVICES

1. Dormitory Committee of Academia Sinica (2019)
2. MS User Committee of Academia Sinica (2018~2019)
3. Ad Hoc Member of the Faculty Searching Committee of ABRC (2018~)
4. Young Scientist Forum Committee of ABRC (2018~)
5. Instrumentation Committee of ABRC (2015~)
6. Travel Grant Committee of ABRC (2015~)
7. NMR User Committee of Academia Sinica (2011~)
8. Life Science Library Committee of Academia Sinica (2016~2017)

INVITED SEMINAR AND CONFERENCE ORAL PRESENTATION

1. Department of Microbiology, Immunology and Biopharmaceuticals, National Chiayi University, Taiwan (2024)
2. Department of Plant Medicine, National Pingtung University of Science and Technology, Taiwan (2024)
3. The 17th International Symposium on Biocatalysis and Agricultural Biotechnology, National Chung-Hsing University, Taiwan (2023)
4. 2023 Symposium on Bioorganic Chemistry and Chemical Biology, Fu Jen Catholic University, Taiwan (2023)
5. 19th Taiwan Society for Mass Spectrometry Annual Conference, The Splendor Hotel-Taichung, Taiwan (2023)
6. Ph.D. Program in Microbial Genomics, National Chung-Hsing University, Taiwan (2023)
7. Department of Plant Pathology and Microbiology, National Taiwan University, Taiwan (2023)
8. Spring Conference of Taiwan Society for Mass Spectrometry and Taiwan Metabolomics Society, National Taiwan University, Taiwan (2023)
9. 2023 MiTalk 7, National Taiwan Ocean University, Taiwan (2023)
10. 2021 Mini Workshop for Metabolomics – From Chinese Herbal Medicine to Clinical Site, China Medical University, Taiwan (2021)
11. 36th Symposium on Natural Products, National Sun Yat-sen University, Taiwan (2021)
12. Department of Biochemistry and Molecular Biology, National Cheng Kung University, Taiwan (2021)
13. Research Center for Environmental Medicine, Kaohsiung Medical University, Taiwan (2021)
14. Department of Pharmacy, National Taiwan University, Taiwan (2020)
15. Hualien District Agricultural Research and Extension Station, Taiwan (2020)

16. Department of Entomology, National Chung-Hsing University, Taiwan (2020)
17. 34th Symposium on Natural Products, Chang Gung University of Science and Technology, Taiwan (2019)
18. Natural Products in Agricultural Biotechnology and Pharmaceutical Industry, Academia Sinica (2019)
19. Department of Microbiology, Immunology and Biopharmaceuticals, National Chiayi University, Taiwan (2019)
20. Conference on Herbal Medicine & Health Technology, Chang Gung University of Science and Technology, Taiwan (2019)
21. 2nd Multi-Omics Forum, Biotools Microbiome Research Center, Taiwan (2019)
22. Iloilo International Conference on Advanced Natural Products Technologies, Iloilo, Philippines (2019)
23. 2018 Mass Spectrometry for Clinical Diagnosis, National Sun Yat-sen University, Taiwan (2018)
24. 33rd Symposium on Natural Products, Kaohsiung Medical University, Taiwan (2018)
25. School of Life Science and Biotechnology, Shanghai Jiao Tong University, China (2018)
26. 66th Annual Meeting of the Society for Medicinal Plant and Natural Product Research, Shanghai, China (2018)
27. Graduate Institute of Natural Products, Chang Gung University, Taiwan (2018)
28. Crop Science Division, Bayer, USA (2017)
29. School of Life Science and Biotechnology, Shanghai Jiao Tong University, China (2017)
30. The First Bilateral Symposium University of the Philippines Diliman-Academia Sinica, Institute of Chemistry, Academia Sinica (2016)
31. Graduate Institute of Pharmaceutical Sciences, Kaohsiung Medical University, Taiwan (2016)
32. Department of Chinese Pharmaceutical Sciences and Chinese Medicine Resources, China Medical University, Taiwan (2016)
33. 2015 Mass Spectrometry for Clinical Diagnosis, National Sun Yat-sen University, Taiwan (2015)
34. Department of Institute of Tropical Plant Science, National Cheng-Kung University, Taiwan (2015)
35. Department of Chemistry, National Chung-Hsing University, Taiwan (2015)
36. Graduate Institute of Pharmacognosy, Taipei Medical University, Taiwan (2015)
37. Department of Food Science and Biotechnology, National Chung-Hsing University, Taiwan (2015)
38. Development of New-Generation Multibeneficial Biocontrol Agents by OMICS, Academia Sinica (2015)
39. The Molecular Imaging Symposium, Academia Sinica (2015)

40. 2014 Mass Spectrometry for Clinical Diagnosis, National Sun Yat-sen University, Taiwan (2014)
41. 28th International Symposium on the Chemistry of Natural Products and the 8th International Conference on Biodiversity, Shanghai, China (2014)
42. 29th Symposium on Natural Products, Kaohsiung Medical University, Taiwan (2014)
43. National Center for Genetic Engineering and Biotechnology, NSTDA, Thailand (2014)
44. 10th International Mycological Congress, Bangkok, Thailand (2014)
45. Department of Plant Pathology and Microbiology, National Taiwan University, Taiwan (2014)
46. National Museum of Marine Biology and Aquarium, Taiwan (2014)
47. Department of Plant Pathology, National Chung-Hsing University, Taiwan (2013)
48. Department of Biological Science and Technology, I-Shou University, Taiwan (2013)
49. 4th Asia Oceania Mass Spectrometry Conference and 10th Taiwan Society for Mass Spectrometry Annual Conference, Taipei International Convention Center, Taiwan (2013)
50. Department of Life Science, Tunghai University, Taiwan (2013)
51. Annual Conference of Bioorganic Chemistry Division of National Science Council, Kaohsiung Medical University, Taiwan (2012)
52. 27th Symposium on Natural Products, Kaohsiung Medical University, Taiwan (2012)
53. School of Life Science and Biotechnology, Dalian University of Technology, Dalian, China (2012)
54. Graduate Institute of Pharmacognosy, Taipei Medical University, Taiwan (2012)
55. Graduate Institute of Natural Products, Chang Gung University, Taiwan (2011)
56. School of Pharmacy, National Taiwan University, Taiwan (2011)
57. Graduate Institute of Ecology and Evolutionary Biology, China Medical University, Taiwan (2011)
58. 8th Taiwan Society for Mass Spectrometry Annual Conference, Academia Sinica, Taiwan (2011)
59. Graduate Institute of Natural Products, Kaohsiung Medical University, Taiwan (2011)
60. Institute of Biological Chemistry, Academia Sinica, Taiwan (2010)
61. Agricultural Biotechnology Research Center, Academia Sinica, Taiwan (2010)
62. La Jolla Natural Products Affinity Group Meeting, San Diego (2009)

PUBLICATIONS (H-index: 42, i10-index: 74)

1. Mo Aqib Raza Khan, Bo-Wei Wang, Hsiu-Chin Lin, **Yu-Liang Yang**, Chih-Chuang Liaw*, **2024**, “Structure-Functional Activity of Pyrone Derivatives for Inhibition of Barnacle Settlement and Biofilm Formation”, *Mar. Biotechnol.*, in press.
2. Yi-San Lee, Khotibul Umam, Tien-Fen Kuo, **Yu-Liang Yang**, Ching-Shan Feng, Wen-Chin Yang*, **2024**, “Functional and Mechanistic Studies of a Phytogetic

- Formulation, Shrimp Best, in Growth Performance and Vibriosis in Whiteleg shrimp”, *Sci. Rep.*, 14, 11584.
3. Shang-Tse Ho, Yu-Shin Nai, Zih-Ting Chang, Ju-Chun Chang, Wei-Chen Hsu, Chung-Yu Ko, Yue-Wen Chen, **Yu-Liang Yang***, 2024, “Dimethyl sulfoxide, an Alternative for Control of *Nosema ceranae* Infection in Honey bees (*Apis mellifera*)”, *Arch. Insect Biochem. Physiol.*, 115, e22099.
 4. Wei-Chih Chin, Yang-Zhi Zhou, Hao-Yung Wang, Yu-Ting Feng, Ru-Yin Yang, Zih-Fang Huang, **Yu-Liang Yang***, 2024, “Bacterial Polyynes Uncovered: A Journey Through Their Bioactive Properties, Biosynthetic Mechanisms, and Sustainable Production Strategies”, *Nat. Prod. Rep.*, 41, 977-989. **(Selected as the cover picture)**
 5. Chen-Tran Hsu, Chi-Chou Chiu, Pao-Yuan Hsiao, Chih-Yu, Lin, Sychyi Cheng, Yao-Cheng Lin, **Yu-Liang Yang**, Fu-Hui Wu, Horng-Jyh Harn*, Shinn-Zong Lin*, Choun-Sea Lin*, 2024, “Transgene-Free CRISPR/Cas9-Mediated Gene Editing through Protoplast-to-Plant Regeneration Enhances Active Compounds in *Salvia miltiorrhiza*”, *Plant Biotechnol. J.*, 22, 1549-1551.
 6. Doralyn S Dalisay*, Angelica Faith L Suarez, Angel Juanillo, Dave Clark D Sison, Joey I Orajay, Maria Bella B Javier, Diane Monique S Baladjay, **Yu-Liang Yang**, Jonel P Saludes*, 2023, “In situ Spatiotemporal Mapping of 3-Hydroxy-3-MethylGlutaryl-CoA Reductase (HMGR) Inhibitor in Pineapple (*Ananas comosus*) Fruit Tissue by MALDI Mass Spectrometry Imaging”, *Front. Nat. Product.*, 2, 1160541.
 7. Wachiraporn Toopaang, Kullyanee Panyawicha, Chettida Srisuksam, Wei-Chen Hsu, Ching-Chih Lin, Morakot Tanticharoen, **Yu-Liang Yang***, Alongkorn Amnuaykanjanasin*, 2023, “Metabolomic Analysis Indicated the Influence of Polyketide Synthases PKS14 and PKS15 on the Production of Beauvericins, Bassianolide, Enniatin A, and Ferricrocin in Entomopathogen *Beauveria bassiana*”, *Metabolites*, 13, 425.
 8. Yeong-Jiunn Jang*, Guan-Yu Chen, Yun-Lian Jhan, Pei-Ting Lo, Wei-Yu Hsu, Ke Wang, Ya-Ting Hsu, Chia-Lin Lee, **Yu-Liang Yang** and Yang-Chang Wu*, 2023, “Chemo- and Regioselective Construction of Functionalized Isocoumarin, Flavone, and Isoquinolinedione via a One-pot Reaction of *o*-Quinol Acetate and Soft Nucleophiles”, *Adv. Synth. Catal.*, 365, 2900-2911.
 9. Hieu Tran Nguyen Minh, Tien-Fen Kuo, Wen-Yu Lin, Tzu-Chia Peng, Greta Yang, Chih-Yu Lin, Ting-Hsiang Chang, **Yu-Liang Yang**, Cheng-Hsun Ho, Bor-Rung Ou, Wen-Chin Yang, Chu-Wen Yang*, Yu-Chuan Liang*, 2023, “A Novel Phytogetic Formulation, EUBIO-BPSG, as a Promising One Health Approach to Replace Antibiotics and Promote Reproduction Performance in Laying Hens”, *Bioengineering*, 10, 346.
 10. Ru-Ying Feng, Yi-Hsuan Chen, Chih Lin, Chia-Hsin Tsai, **Yu-Liang Yang**, Ying-Lien Chen*, 2022, “Surfactin Secreted by *Bacillus amyloliquefaciens* Ba01 is Required to Combat *Streptomyces scabies* Causing Potato Common Scab”, *Front. Plant Sci.*, 13,

998707.

11. Yi-Hsuan Li, Zih-Ting Chang, Ming-Ren Yen, Yu-Feng Huang, Tzu-Han Chen, Ju-Chun Chang, Ming-Chen Wu, **Yu-Liang Yang**, Yue-Wen Chen, Yu-Shin Nai*, **2022**, “Transcriptome of *Nosema ceranae* and Upregulated Microsporidia Genes during Its Infection of Western Honey Bee (*Apis mellifera*)”, *Insects*, 13, 716.
12. Chun-Han Su, Yu-Chieh Cheng, Kuei-Hung Lai, Yu-Chia Chang, Chi-Hui Sun, Po-Wen Tu, Ching-Chih Lin, Tsong-Long Hwang*, **Yu-Liang Yang***, **2022**, “Exploring the Relationship Between Metabolite Composition and the Cold/Hot Properties Ascribed in Traditional Chinese Medicine by Mass Spectral Molecular Networking--A Pilot Study”, *J. Food Drug Anal.*, 30, 402-416.
13. Chun-Han Su, Yu-Chieh Cheng, Yu-Chia Chang, Ting-Hsuan Kung, Yu-Li Chen, Kuei-Hung Lai, Hsi-Lung Hsieh, Chun-Yu Chen*, Tsong-Long Hwang*, **Yu-Liang Yang***, **2022**, “Untargeted LC-MS/MS-Based Multi-Informative Molecular Networking for Targeting the Antiproliferative Ingredients in *Tetradium ruticarpum* Fruit”, *Molecules*, 27, 4462.
14. Wachiraporn Toopaang, Warapon Bunnak, Chettida Srisuksam, Wilawan Wattananukit, Morakot Tanticharoen, **Yu-Liang Yang***, Alongkorn Amnuaykanjanasin*, **2022**, “Microbial Polyketides and Their Roles in Insect Virulence: from Genomics to Biological functions”, *Nat. Prod. Rep.*, 39, 2008-2029. **(Selected as the cover picture)**
15. Chun-Han Su, Bo-Wei Wang, Ewelina P. Dutkiewicz, Cheng-Chih Hsu*, **Yu-Liang Yang***, **2022**, “Surface-Assisted Laser Desorption/Ionization Imaging Mass Spectrometry (SALDI-IMS)-Based Detection of Vinca Alkaloids Distribution in the Petal of Madagascar Periwinkle”, in: Courdavault, V., Besseau, S. (eds) *Catharanthus roseus. Methods Mol. Biol.*, 2505, 45-58. Humana, New York.
16. Hao-Chun Hu, Szu-Yin Yu, Xiao-Shan Hung, Chun-Han Su, **Yu-Liang Yang**, Chien-Kei Wei, Yuan-Bin Cheng, Yang-Chang Wu, Chia-Hung Yen, Tsong-Long Hwang, Shu-Li Chen, István Szatmári, Attila Hunyadi, Yi-Hong Tsai*, Fang-Rong Chang*, **2022**, “Composition Decipherment of *Ficus pumila* var. *awkeotsang* and Its Potential on COVID-19 Symptom Amelioration and *In Silico* Prediction of SARS-CoV-2 Interference”, *J. Food Drug Anal.*, 30, 440-453.
17. Ching-Chih Lin, Sin Yong Hoo, Li-Ting Ma, Chih Lin, Kai-Fa Huang, Ying-Ning Ho, Chi-Hui Sun, Han-Jung Lee, Pi-Yu Chen, Lin-Jie Shu, Bo-Wei Wang, Wei-Chen Hsu, Tzu-Ping Ko, **Yu-Liang Yang***, **2022**, “Integrated Omics Approach to Unveil Antifungal Bacterial Polyynes as Acetyl-CoA Acetyltransferase Inhibitors”, *Commun. Biol.*, 5, 454.
18. Po-Wen Tu, Jie-Siang Chiu, Chih Lin, Chih-Cheng Chien, Feng-Chia Hsieh, Ming-Che Shih*, **Yu-Liang Yang***, **2022**, “Evaluation of the Antifungal Activities of *Photorhabdus akhurstii* and its Secondary Metabolites against Phytopathogenic *Colletotrichum gloeosporioides*”, *J. Fungi*, 8, 403.

19. Chongyang Yang, Ning Han, Chihiro Inoue, **Yu-Liang Yang**, Hideaki Nojiri, Ying-Ning Ho*, Mei-Fang Chien*, **2022**, “Rhizospheric Plant-microbe Synergistic Interactions Achieve Efficient Arsenic Phytoextraction by *Pteris vittata*”, *J. Hazard. Mater.*, 434, 128870.
20. Tse-Yen Liu, Chao-Han Chen, **Yu-Liang Yang**, Isheng J. Tsai, Ying-Ning Ho*, Chia-Lin Chung*, **2022**, “The Brown Root Rot Fungus *Phellinus Noxius* Affects Microbial Communities in Different Root-Associated Niches of *Ficus* Trees”, *Environ. Microbiol.*, 24, 276-297.
21. Shuen-Huang Tsai, Yu-Ting Chen, **Yu-Liang Yang**, Bo-Yi Lee, Chien-Jui Huang, Chao-Ying Chen*, **2022**, “The Potential Biocontrol Agent *Paenibacillus Polymyxa* TP3 Produces Fusaricidin-Type Compounds Involved in The Antagonism Against Gray Mold Pathogen *Botrytis Cinerea*”, *Phytopathology*, 112, 775-783.
22. Meng-Hsuan Hsieh, George Hsiao, Chia-Hao Chang, **Yu-Liang Yang**, Yu-Ming Ju, Yueh-Hsiung Kuo, Tzong-Huei, Lee*, **2021**, “Polyketides with Anti-neuroinflammatory Activity from *Theissenia cinerea*”, *J. Nat. Prod.*, 84, 1898-1903.
23. Shang-Tse Ho, Ying-Ning Ho, Chih Lin, Wei-Chen Hsu, Han-Jung Lee, Chia-Chi Peng, Han-Tan Cheng, **Yu-Liang Yang***, **2021**, “Integrated Omics Strategy Reveals Cyclic Lipopeptides Empedopeptins from *Massilia* sp. YMA4 and their Biosynthetic Pathway”, *Mar. Drugs*, 19, 209.
24. Yu-Chi Lin, Yi-Jen Chen, Shu-Rong Chen, Wan-Ju Lien, Hsueh-Wei, Chang, **Yu-Liang Yang**, Chia-Ching Liaw, Jui-Hsin Su, Ching-Yeu Chen*, Yuan-Bin Cheng*, **2021**, “Targeted Isolation of Xenicane Diterpenoids from Taiwanese Soft Coral *Asterospicularia laurae*”, *Mar. Drugs*, 19, 123.
25. Mo Aqib Raza Khan, Bo-Wei Wang, Yih-Yu Chen, Ting-Hsuan Lin, Hsiu-Chin Lin, **Yu-Liang Yang**, Ka-Lai Pang, Chih-Chuang Liaw*, **2021**, “Natural Polyketide 6-pentyl-2H-pyrone-2-one and its Synthetic Analogues Efficiently Prevent Marine Biofouling”, *Biofouling*, 37, 257-266.
26. Ying-Ning Ho, Sin Yong Hoo, Bo-Wei Wang, Chi-Ting Hsieh, Ching-Chih Lin, Chi-Hui Sun, Chia-Chi Peng, Chih Lin, **Yu-Liang Yang***, **2021**, “Specific Inactivation of an Anti-fungal Bacterial Siderophore by a Fungal Plant Pathogen”, *ISME J.*, 15, 1858-1861.
27. Ewelina P. Dutkiewicz, Chun-Han Su, Han-Jung Lee, Cheng-Chih Hsu* and **Yu-Liang Yang***, **2021**, “Visualizing Vinca Alkaloids in the Petal of *Catharanthus roseus* Using Functionalized Titanium Oxide Nanowire Substrate for Surface-assisted Laser Desorption/ionization Imaging Mass Spectrometry”, *Plant J.*, 105, 1123-1133.
28. Chi-Jan Lin, Ya-Lin Chang, **Yu-Liang Yang**, Ying-Lien Chen*, **2021**, “Natural alkaloid tryptanthrin exhibits novel anticryptococcal activity”, *Med. Mycol.*, 59, 545-556.
29. Wen-Jen Chen, Tzu-Yen Kuo, Chun-Yi Chen, Feng-Chia Hsieh, **Yu-Liang Yang**, Je-Ruei Liu, Ming-Che Shih*, **2020**, “Whole Genome Sequencing and Tn5-insertion Mutagenesis

- of *Pseudomonas taiwanensis* to Probe Its Antagonistic Activity against Rice Bacterial Blight Disease”, *Int. J. Mol. Sci.*, 21, 8639.
30. Ming-Shian Lee, **Yu-Liang Yang**, Chia-Yen Wu, Ying-Lien Chen, Ching-Kuo Lee, Shean-Shong Tzean, Tzong-Huei Lee*, 2019, “Efficient Identification of Fungal Antimicrobial Principles by Tandem MS and NMR Database”, *J. Food Drug Anal.*, 27, 860-868.
 31. Liang-Yu Chen, Xiao-Qing Wang, Yu-Mei Wang, Xiang Geng, Xiao-Na Xu, Chun Su, **Yu-Liang Yang**, Ya-Jie Tang, Feng-Wu Bai, Xin-Qing Zhao*, 2018, “Genome Mining of *Streptomyces Xinghaiensis* NRRL B-24674T for Discovery of the Gene Cluster Involved in Anti-Complement Activities and Detection of the Novel Xiamycin Analogs”, *Appl. Microbiol. Biot.*, 102, 9549-9562.
 32. Pi-Yu Chen, Chi-Ying Hsieh, Chao-Jen Shih, Yuan-Jing Lin, Chia-Wen Tsao, **Yu-Liang Yang***, 2018, “Exploration of Fungal Metabolic Interactions Using Imaging Mass Spectrometry on Nanostructured Silicon”, *J. Nat. Prod.*, 81, 1527-1533.
 33. Yi-Shu Chiu, Pi-Yu Chen, Tung Kuan, Po-Chuan Wang, Ying-Ju, Chen, **Yu-Liang Yang***, Hsin-Hung Yeh*, 2018, “A Polysaccharide Derived from *Trichosporon* sp. Culture Metabolite Strongly Primes Plant Resistance to Viruses”, *Mol. Plant Microbe. Interact.*, 31, 1257-1270.
 34. Chih Lin, Chia-Hsin Tsai, Pi-Yu Chen, Chia-Yen Wu, Ya-Lin Chang, **Yu-Liang Yang**, Ying-Lien Chen*, 2018, “Biological Control of Potato Common Scab by *Bacillus amyloliquefaciens* Ba01”, *PLoS One*, 13, e0196520.
 35. Ying-Ning Ho, Han-Jung Lee, Chi-Ting Hsieh, Chia-Chi Peng, **Yu-Liang Yang***, 2018, “Chemistry and Biology of Salicyl-capped Siderophores”, *Stud. Nat. Prod. Chem.*, 59, 431-490.
 36. Shu-Rong Chen, Shih-Wei Wang, Chien-Jung Su, Hao-Chun Hu, **Yu-Liang Yang**, Chi-Ting Hsieh, Chia-Chi Peng, Fang-Rong Chang*, Yuan-Bin Cheng*, 2018, “Anti-lymphangiogenesis Components from Zoanthid *Palythoa tuberculosa*”, *Mar. Drugs*, 16, E47.
 37. Chia-Wen Tsao*, I-Chao Lei, Pi-Yu Chen, **Yu-Liang Yang**, 2018, “Piezo-Ring-on-Chip Microfluidic Device for Simple and Low-Cost Mass Spectrometry Interfacing”, *Analyst*, 143, 981-988.
 38. Lin-Jie Shu, **Yu-Liang Yang***, 2017, “*Bacillus* Classification Based on Matrix-Assisted Laser Desorption Ionization Time-of-Flight Mass Spectrometry-Effects of Culture Conditions”, *Sci. Rep.*, 7, 15546.
 39. Ying-Ning Ho, Lin-Jie Shu, **Yu-Liang Yang***, 2017, “Imaging Mass Spectrometry for Metabolites: Technical Progress, Multimodal Imaging and Biological Interactions”, *Wiley Interdiscip. Rev. Syst. Biol. Med.*, 9, e1387.
 40. Chung-Kuan Lin, Yu-Ting Wang, Er-Mao Hung, **Yu-Liang Yang**, Jin-Ching Lee,

- Jyh-Horng Sheu, Chih-Chuang Liaw*, **2017**, “Butyrolactones and Diketopiperazines from Marine Microbes: Inhibition Effects on Dengue Virus Type 2 Replication”, *Planta Med.*, 83, 158-163.
41. Jen-Hung Liao, Pi-Yu Chen, **Yu-Liang Yang**, Shu-Chen Kan, Feng-Chia Hsieh*, Yung-Chang Liu*, **2016**, “Clarification of the Antagonistic Effect of the Lipopeptides Produced by *Bacillus amyloliquefaciens* BPD1 against *Pyricularia oryzae* via *in situ* MALDI-TOF IMS Analysis”, *Molecules*, 21, 1670.
42. Wen-Jen Chen, Tzu-Yen Kuo, Feng-Chia Hsieh, Pi-Yu Chen, Chang-Sheng Wang, Yu-Ling Shih, Ying-Mi Lai, Je-Ruei Liu, **Yu-Liang Yang***, Ming-Che Shih*, **2016**, “Involvement of Type VI Secretion System in Secretion of Iron Chelator Pyoverdine in *Pseudomonas taiwanensis*”, *Sci. Rep.*, 6, 32950.
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