



College of Pharmacy,
Graduate Institute of Natural Products
Kaohsiung Medical University



Wu, Yang-Chang Professor
Department of Pharmacognosy

● Teaching Course

1. Pharmacognosy
2. Special Topics in Pharmacognosy (Including Lab.)
3. Special Topics in Toxicology of Natural Products (Including Lab.)
4. Special Topics in Pharmacogenetics of Chinese Herbal Medicines (Including Lab.)
5. Special Topics in Advanced Pharmacognosy (Including Lab.)
6. Special Topic in Advanced Natural Products Toxicology (Including Lab.)
7. Special Topic in Advanced Pharmacogenetics of Chinese Herbal Medicines (Including Lab.)

● The Highest Education Degree

- Postdoctoral Fellow, Prof. Kuo-Hsiung Lee, University of North Carolina, U.S.A.
- Postdoctoral Fellow, Prof. Yoshimasa Hirata, Meijo University, Japan
- Doctor of Philosophy, Graduate Institute of Medicine (Basic Medical Science), KMU, Taiwan
- Master of Science, Graduate Institute of Medicine (Basic Medical Science), KMU, Taiwan
- Bachelor of Science in Pharmacy, KMU, Taiwan

● Personal Experiences

- 2010/08-2017/01 Vice-President, China Medical University (CMU), Taiwan
- 2014/08-2017/01 Chair Professor, School of Pharmacy, College of Pharmacy, CMU, Taiwan
- 2014/01-2016/12 Chairman, Division of Pharmacy and Chinese medicine, Department of Life Science, Ministry of Science and Technology, Taiwan
- 2013/01-2015/12 Member, Experts on East Asian Herbal Medicine of the United States Pharmacopoeia Committee, USA
- 2013/01-2015/12 Member, National Innovation Award Committee, Taiwan
- 2012/02-2014/07 Chair Professor & Dean, School of Pharmacy, College of Pharmacy, CMU, Taiwan
- 2011/02-2012/01 Chair Professor, School of Chinese Medicine, College of Chinese

Medicine, CMU, Taiwan

- 2010/08-2011/01 Chair Professor, Graduate Institute of Integrated Medicine, College of Chinese Medicine, CMU, Taiwan
- 2010/08-2014/07 Chair Professor(Joint Appointment), Graduate Institute of Natural Products, College of Pharmacy, KMU, Taiwan
- 2009/08-2010/07 Chair Professor, Graduate Institute of Natural Products, College of Pharmacy, KMU, Taiwan
- 2008/01-2009/12 Member, National Standards Technology Committee, Bureau of Standards, Metrology and Inspection, Ministry of Economic Affairs, Taiwan
- 2006/08-2009/07 Provost, Department of Research and Development, KMU, Taiwan
- 2002/01-2004/12 Chairman, Division of Pharmacy and Traditional Chinese Medicine, Department of Biological and Medicine, National Science Council, Taiwan
- 1996/11-2010/10 Member, Committee on Chinese Medicine and Pharmacy, Department of Health, Executive Yuan, Taiwan
- 1992/08-2006/07 Professor & Director, Graduate Institute of Natural Products, College of Pharmacy, KMU, Taiwan
- 1990/08-1992/07 Professor, College of Pharmacy, KMU, Taiwan
- 1986/08-1990/07 Associate Professor, College of Pharmacy, KMU, Taiwan.

●Specialties

- Translational Research on Chinese Herbal Medicine
- Natural Medicinal Products - Functional Food and New Drug Development

● Awards and Honors:

- Member of the American Society of Pharmacognosy (ASP) and 10 more other association members. The member of 6 editorial board and ca. 30 referee member of journals
 - 2017 Outstanding Venturing Award- Innovation and Startups Program
 - 2015 12th National Innovation Award
 - 2012 9th National Innovation Award-PhD Student (first prize)
 - 2010 Outstanding Medical and Pharmaceutical Technology award of TienTe Lee Biomedical Foundation, Taiwan
 - 2009 Outstanding research award of National Science Council, Taiwan
 - 2007 Outstanding merit and high scholastic achievement to medical and pharmaceutical research award of Wang Ming-Ning Foundation
- ※ More than 571 research articles in SCI refereed journals and authorships of several book chapters. More than 40 patents granted or in application. More than 20 industry-academic cooperation. More than 6 patent/tech transfer practices (including one new drug R&D tech transfer).

● Research Area

In research of the constituents of bioactive natural product and development of Chinese herbal medicines

405. Chih-Hua Chao, Yang-Chang Wu, Zhi-Hong Wen, Jyh-Horng Sheu*, 2013, "Steroidal Carboxylic Acids from Soft Coral *Paraminabea acronocephala*", *Marine Drugs*, 11, 136-145.
406. Yang-Chang Wu, Munisamy Sureshbabu, Yao-Ching Fang, Yi-Hsiu Wu, Yu-Hsuan Lan, Fang-Rong Chang, Ya-Wen Chang, Tsong-Long Hwang*, 2013, "Potent Inhibition of Human Neutrophil Activations by Bractelactone, a Novel Chalcone from *Fissistigma bracteolatum*.", *Toxicology and Applied Pharmacology*, 266, 399-407.
407. Jing-Ru Liou, El-Shazly Mohamed, Ying-Chi Du, Chao-Neng Tseng, Tsong-Long Hwang, Yueh-Lin Chuang, Yu-Ming Hsu, Pei-Wen Hsieh, Chin-Chun Wu, Shu-Li Chen, Ming-Feng Hou, Fang-Rong Chang*, Yang-Chang Wu*, 2013, "1,5-Diphenylpent-3-en-1-ynes and Naphthalene Carboxylic Acid Esters from *Lawsonia Inermis* and Their Anti-inflammatory Activity.", *Phytochemistry*, 88, 67-73.
408. Yu-Chi Tsai, Shang-Yu Chiang, Mohamed El-Shazly, Chin-Chung Wu, Ludger Beerhues, Wan-Chun Lai, Shou-Fang Wu, Ming-Hong Yen, Yang-Chang Wu*, Fang-Rong Chang*, 2013, "The Oestrogenic and Anti-platelet Activities of Dihydrobenzofuroisocoumarins and homoisoflavonoids from *Liriope platyphylla* roots", *Food Chemistry*, 140, 305-314.
409. Fang-Rong Chang, Chiao-Ting Yen, Mohamed El-Shazly, Cheng-Ying Yu, Ming-Hong Yen, Yuan-Bin Cheng, Shu-Li Chen, Yang-Chang Wu*, 2013, "Spirostanoids with 1,4-Dien-3-one or 3b,7a-Diol-5,6-ene moieties from *Solanum violaceum*," *Bioorganic & Medicinal Chemistry Letters*, 23, 2739-2742.
410. Miklós Poór, Yin Li, Sándor Kunsági-Máté, Zsófia Varga, Attila Hunyadi, Balázs Dankó, Fang-Rong Chang, Yang-Chang Wu, Tamás Koszegi*, 2013, "Protoapigenone Derivatives: Albumin Binding Properties and Effects on HepG2 Cells", *Journal of Photochemistry and Photobiology B: Biology*, 124, 20-26
411. Mann-Jen Hour*, Kun-Tsung Lee*, Yang-Chang Wu, Chi-Yu Wu, Bang-Jau You, Tai-Lin Chen, Hong-Zin Lee, 2013, "A Novel Antitubulin Agent, DPQZ, Induces Cell Apoptosis in Human Oral Cancer Cells through Ras/Raf Inhibition and MAP Kinases Activation", *Archives of Toxicology*, 87, 835-846.
412. Chien-Chih Chiu, Jo-Wen Haung, Fang-Rong Chang, Kuang-Jing Huang, Hsuan-Min Huang, Hurng-Wern Huang, Chon-Kit Chou, Yang-Chang Wu*, Hsueh-Wei Chang*, 2013, "Golden Berry-derived 4 β -hydroxywithanolide E for Selectively Killing Oral Cancer Cells by Generating ROS, DNA Damage, and Apoptotic Pathways", *PLoS One*, 8, e64739.
413. Hui-Yu Fang, Chi-Hsin Hsu, Chih-Hua Chao, Zhi-Hong Wen, Yang-Chang Wu, Chang-Feng Dai, Jyh-Horng Sheu*, 2013, "Cytotoxic and Anti-inflammatory Metabolites from the Soft Coral *Scleronephthya gracillimum*", *Marine Drugs*, 11, 1853-1865.
414. Yun-Ju Chen, Nari Kay, Jinn-Moon Yang, Chih-Ta Lin, Hsueh-Ling Chang, Yang-Chang Wu, Chi-Feng Fu, Yu Chang, Steven Lo, Ming-Feng Hou, Yi-Chen Lee,

- Ya-Ching Hsieh* ,Shyng-Shiou Yuan*, 2013, “Total Synthetic Protoapigenone WYC02 Inhibits Cervical Cancer Cell Proliferation and Tumour Growth through PIK3 Signaling Pathway”, *Basic & Clinical Pharmacology & Toxicology*, 113, 8-18.
415. Yu-Ming Chung, Chien-Kei Wei, Da-Wei Chuang, Mohamed El-Shazly , Chi-Ting Hsieh, Teigo Asai, Yoshiteru Oshima, Tusty-Jiuan Hsieh, Tsong-Long Hwang, Yang-Chang Wu*, Fang-Rong Chang*, 2013, “An Epigenetic Modifier enhances the Production of Anti-diabetic and Anti-inflammatory Sesquiterpenoids from *Aspergillus sydowii*”, *Bioorganic & Medicinal Chemistry*, 21, 3866-3872.
416. Chi-Ying Hsieh, Pei-Chien Tsai, Chiao-Lun Chu, Fang-Rong Chang, Long-Sen Chang, Yang-Chang Wu*, Shinne-Ren Lin*, 2013, “Brazilein Suppresses Migration and Invasion of MDA-MB-231 Breast Cancer Cells”, *Chemico-Biological Interactions*, 204, 105-115.
417. Li-Chung Hu, Wei-Hsuan Yen, Jui-Hsin Su, Michael Yen-Nan Chiang, Zhi-Hong Wen, Wu-Fu Chen, Ting-Jang Lu, Yu-Wei Chang, Yung-Husan Chen, Wei-Hsien Wang, Yang-Chang Wu*, Ping-Jyun Sung*, 2013, “Cembrane Derivatives from the Soft Corals, *Sinularia gaweli* and *Sinularia flexibilis*”, *Marine Drugs*, 11, 2154-2167.
418. Tai-Long Pan*, Tung-Ho Wu*, Pei-Wen Wang, Yann Lii Leu, Fang-Rong Chang, Yang-Chang Wu*, 2013, “Functional Proteomics Reveals the Protective Effects of Saffron Ethanolic Extract on Hepatic Ischemia-reperfusion Injury”, *Evidence-Based Complementary and Alternative Medicine*, 13, 2297-2311.
419. Mei-Chin Lu, Mohamed El-Shazly, Tung-Ying Wu, Ying-Chi Du, Tun-Tschu Chang, Chieh-Fu Chen, Yu-Ming Hsu, Kuei-Hung Lai, Ching-Peng Chiu, Fang-Rong Chang*, Yang-Chang Wu*, 2013, “Recent Research and Development of *Antrodia cinnamomea*”, *Pharmacology & Therapeutics*, 139, 124-156.
420. Yu-Ming Chung, Mohamed El-Shazly, Da-Wei Chuang, Tsong-Long Hwang, Teigo Asai, Yoshiteru Oshima, Mohamed L. Ashour, Yang-Chang Wu*, and Fang-Rong Chang*, 2013, “Suberoylanilide Hydroxamic Acid, a Histone Deacetylase Inhibitor, Induces the Production of Anti-inflammatory Cyclodepsipeptides from *Beauveria felina*”, *Journal of Natural Products*, 76, 1260–1266.
421. Yun-Ju Chen, Hsin-Pao Chen, Yu-Jen Cheng, Yu-Heng Lin, Kuang-Wen Liu, Yun-Ju Chen, Ming-Feng Hou, Yang-Chang Wu, Yi-Chen Lee, Shyng-Shiou Yuan*, 2013, “The Synthetic Flavonoid WYC02-9 Inhibits Colorectal Cancer Cell Growth through ROS-mediated Activation of MAPK14 Pathway”, *Life Sciences*, 92, 1081-1092.
422. Jia-You Fang, Tung-Ho Wu, Chun-Hsun Huang, Pei-Wen Wang, Chih-Chieh Chen, Yang-Chang Wu and Tai-Long Pan*, 2013, “Proteomics Reveals Plasma Profiles for Monitoring the Toxicity Caused by Chromium Compounds”, *Clinica Chimica Acta*, 423, 23-31.
423. Chia-Lin Lee, Chiao-Ting Yen, Wan-Jung He, Hao-Ting Cheng, Tsong-Long Hwang, Yi-Hong Tsai, Hsin-Fu Yen, Chao-Jung Chen, Yang-Chang Wu*, 2013, “Anti-neutrophilic Inflammatory Steroidal Glycosides from *Solanum torvum*”, *Phytochemistry*, 95, 315-321.
424. Da-Wei Chuang, Mohamed El-Shazly, Chin-Chau Chen, Yu-Ming Chung, Barve Balaji D, Ming-Jung Wu, Fang-Rong Chang*, Yang-Chang Wu*, 2013, “Synthesis of 1,5-Diphenylpent-3-en-1-yne Derivatives Utilizing an Aqueous B-alkyl Suzuki Cross Coupling Reaction”, *Tetrahedron Letters*, 54, 5162.

425. Hui-Chun Wang*, Chin-Chung Wu, Ti-Sheng Cheng, Ching-Ying Kuo, Yu-Chi Tsai, Shang-Yu Chiang, Teng-Song Wong, Yang-Chang Wu and Fang-Rong Chang*, 2013, "Active Constituents from *Liriope platyphylla* Root against Cancer Growth In Vitro", Evidence-Based Complementary and Alternative Medicine
426. Hsu-Ming Chung, Wei-Hsien Wang, Tsong-Long Hwang, Yang-Chang Wu* and Ping-Jyun Sunga*, 2013, "Natural Clovanes from The Gorgonian Coral *Rumphella antipathies*", Natural Product Communications, 8, 1037-1040.
427. Yun-Ju Chen, Yu-Jen Cheng, Amos C. Hung, Yang-Chang Wu, Ming-Feng Hou, Yu-Chang Tyan, Shyng-Shiou F. Yuan, 2013, "The Synthetic Flavonoid WYC02-9 Inhibits Cervical Cancer Cell Migration/Invasion and Angiogenesis via MAPK14 Signaling", Gynecologic Oncology, 131, 734-743.
428. Yun-Jie Xio, Jui-Hsin Su, Bo-Wei Chen, Yen-Ju Tseng, Yang-Chang Wu and Jyh-Horng Sheu*, 2013, "Oxygenated Ylangene-derived Sesquiterpenoids from the Soft Coral *Lemnalia philippinensis*", Marine Drugs, 11, 3735-3741.
429. Wan-Chun Lai, Ya-Ting Tsui, Abdel Nasser B. Singab, Mohamed El-Shazly, Ying-Chi Du, Tsong-Long Hwang, Chin-Chung Wu, Ming-Hong Yen, Ching-Kuo Lee, Ming-Feng Hou, Yang-Chang Wu* and Fang-Rong Chang*, 2013, "Phyto-SERM Constitutes from *Flemingia macrophylla*", International Journal of Molecular Sciences, 14, 15578-15594.
430. Chih-Cheng Chai, Pin-Yi Liu, Chia-Hung Lin, Hsien-Chi Chen, Yang-Chang Wu, Fang-Rong Chang and Po-Shen Pan*, 2013, "Efficient Synthesis of Boron-containing α -Acyloxyamide Analogs via Microwave Irradiation", Molecules, 18, 9488-9511.
431. Tsung-Hung Chen, Mei-Chin Lu, Yu-Chia Chang, Yin-Di Su, Yu-Hsin Chen, Nai-Cheng Lin, Lee-Shing Fang, Yang-Chang Wu and Ping-Jyun Sung*, 2013, "Discovery of New Eunicellin-based Diterpenoids from a Formosan Soft Coral *Cladiella* sp.", Marine Drugs, 11, 4585-4593.
432. Attila Hunyadi*, Ana Martins, Balazs Danko, Da-Wei Chuang, Patrick Trouillas, Fang-Rong Chang, Yang-Chang Wu, George Falkay, 2013, "Discovery of the First Non-planar Flavonoid That Can Strongly Inhibit Xanthine Oxidase: Protoapigenone 1'-O-Propargyl Ether", Tetrahedron Letters 54, 6529-6532.
433. Bo-Wei Chen, Sheng-Yang Wang, Chiung-Yao Huang, Shu-Li Chen, Yang-Chang Wu, Jyh-Horng Sheu*, 2013, "Hirsutalins I-M, Eunicellin-based Diterpenoids from the Soft Coral *Cladiella hirsute*", Tetrahedron, 69, 2296-2301
434. Attila Hunyadi*, A. Martins, Balázs Danko, Fang-Rong Chang, Yang-Chang Wu*, 2014, "Protoflavones: a Class of Unusual Flavonoids as Promising Novel Anticancer Agents", Phytochemistry Reviews, 13, 69-77.
435. Li-Mei Wei, Yang-Chang Wu, Chin-Chau Chen, Pei-Wen Hsieh & Wen-Bin Pan*, "Tupichinins B-D, Three New Spirostanol Saponins from *Tupistra chinensis* Rhizomes", 2014, Natural Product Research, 28, 74-80.
436. Kuan-Hua Chen, Chang-Feng Dai, Tsong-Long Hwang, Chun-Yu Chen, Jan-Jung Li, Jih-Jung Chen, Yang-Chang Wu, Jyh-Horng Sheu, Wei-Hsien Wang and Ping-Jyun Sung., 2014, "Discovery of Novel Diterpenoids from *Sinularia arborea*.", Marine Drugs, 12, 385-393
437. Mohamed El-Shazly, Balaji D. Barve, Michal Korinek, Jing-Ru Liou, Da-Wei Chuang,

- Yuan-Bin Cheng, Ming-Feng Hou, Jeh-Jeng Wang, Yang-Chang Wu* and Fang-Rong Chang*, 2014, "Insights on the Isolation, Biological Activity and Synthetic Protocols of Enyne Derivatives.", *Curr Top Med Chem*,14(8):1076-93.
438. Chia-Lin Lee, Ming-Hon Yen, Fang-Rong Chang, Ching-Chung Wu, Yang-Chang Wu*, 2014, "Antiplatelet Aggregation Effects of Phenanthrenes from *Calanthe arisanensis*.", *Natural Product Communications*,9, 83-84.
439. Balaji D. Barve, Yang-Chang Wu, Mohamed El-Shazly, Michal Korinek, Yuan-Bin Cheng, Jeh-Jeng Wang, and Fang-Rong Chang*, 2014, "Iron-catalyzed Oxidative Direct α -C-H Bond Functionalization of Cyclic Ethers: Selective C-O Bond Formation in the Presence of a Labile Aldehyde Group.", *Organic Letters*,16, 1912-1915.
440. Balaji D. Barve, Yang-Chang Wu, Mohamed El-Shazly, Da-Wei Chuang, Yuan-Bin Cheng, Jeh-Jeng Wang, and Fang-Rong Chang*, 2014, "Copper-catalyzed Oxidative Coupling of Formamides with Salicylaldehydes: Synthesis of Carbamates in the Presence of a Sensitive Aldehyde Group.", *The Journal of Organic Chemistry*,79, 3206-3214.
441. Tung-Ho Wu, Yung-Yi Cheng, Chao-Jung Chen, Lean-Teik Ng, Li-Chen Chou, Li-Jiau Huang, Yung-Husan Chen, Sheng-Chu Kuo, Mohamed El-Shazly, Yang-Chang Wu, Fang-Rong Chang* and Chih-Chuang Liaw*, 2014, "Three New Clerodane Diterpenes from *Polyalthia longifolia* var. *pendula*.", *Molecules*, 19, 2049-2060.
442. Jing-Ru Liou*, Li-Yeh Chuang*, Yuan-Han Yang, Tung-Ying Wu, Mohamed El-Shazly, Shyh-Jong Wu, Tusty-Jiuan Hsieh, Yang-Chang Wu, Jiumn-Yih Wu and Fang-Rong Chang, 2014, "Fast Quantification of S-adenosyl-L-methionine in Dietary Health Products Utilizing Reversed-phase High-performance Liquid Chromatography: Teaching an Old Method New Tricks.", *Planta Medica*, 80, 243-248.
443. Chao-Ying Kuo, Yung-Shun Juan, Mei-Chin Lu, Michael Yen-Nan Chiang, Chang-Feng Dai, Yang-Chang Wu* and Ping-Jyun Sung*, 2014, "Pregnane-type Steroids from the Formosan Soft Coral *Scleronephthya flexilis*.", *International Journal of Molecular Sciences*,15, 10136-10149.
444. Huei-Chuan Shih, Mohamed El-Shazly, Yung-Shun Juan, Chao-Yuan Chang, Jui-Hsin Su, Yu-Cheng Chen, Shou-Ping Shih, Huei-Mei Chen, Yang-Chang Wu* and Mei-Chin Lu,*, 2014, "Cracking the Cytotoxicity Code: Apoptotic Induction of 10-Acetylirciformonin B is Mediated through ROS Generation and Mitochondrial Dysfunction.", *Marine Drugs*,12, 3072-3090.
445. I-Hsiao Chen, Ying-Chi Du, Tsong-Long Hwang, I-Fen Chen, Yu-Hsuan Lan, Hsin-Fu Yen, Fang-Rong Chang* and Yang-Chang Wu*, 2014, "Anti-inflammatory Triterpenoids from the Stems of *Microtropis Fokienensis*", *Molecules*,19, 4608-4623.
446. Jyh-Horng Sheu, Yung-Husan Chen, Yu-Hsin Chen, Yin-Di Su, Yu-Chia Chang, Jui-Hsin Su, Ching-Feng Weng, Chia-Hung Lee, Lee-Shing Fang, Wei-Hsien Wang, Zhi-Hong Wen, Yang-Chang Wu* and Ping-Jyun Sung *, 2014, "Briarane Diterpenoids Isolated from Gorgonian Corals between 2011 and 2013.", *Marine Drugs*,12, 2164-2181.
447. Tsung-Hung Chen, Wu-Fu Chen, Zhi-Hong Wen, Mei-Chin Lu, Wei-Hsien Wang, Jan-Jung, Yang-Chang Wu* and Ping-Jyun Sung*, 2014, "Cladieunicellins M-Q, New Eunicellins from *Cladiella* sp". *Marine Drugs*,12, 2144-2155.
448. Li-Hsueh Wang, Kuan-Hua Chen, Chang-Feng Dai, Tsong-Long Hwang, Wei-Hsien

- Wang, Zhi-Hong Wen, Yang-Chang Wu* and Ping-Jyun Sung*, 2014, "New Cembranoids from the Soft Coral *Sinularia arborea*", *Natural Product Communications*, 9, 361-362.
449. Chia-Lin Lee, Tsong-Long Hwang, Juan-Cheng Yang, Hao-Ting Cheng, Wan-Jung He, Chiao-Ting Yen, Chao-Lin Kuo, Chao-Jung Chen, Wen-Yi Chang, and Yang-Chang Wu *, 2014, "Anti-inflammatory Spirostanol and Furostanol Saponins from *Solanum macaonense*.", *Journal of Natural Products*, 77, 1770–1783.
450. Tsung-Hung Chena, Ching-Hsiao Chengc, Yung-Husan Chen, Mei-Chin Lu, Lee-Shing Fang, Wu-Fu Chen, Zhi-Hong Wen, Wei-Hsien Wang, Yang-Chang Wu* and Ping-Jyun Sung*, 2014, "Cladieunicellin J, a New Hydroperoxyeunicellin from *Cladiella* sp.", *Natural Product Communications*, 9, 613-614.
451. Wan-Chun Lai, Yang-Chang Wu, Balázs Dankó, Yuan-Bin Cheng, Tusty-Jiuan Hsieh, Chi-Ting Hsieh, Yu-Chi Tsai, Mohamed El-Shazly, Ana Martins, Judit Hohmann, Attila Hunyadi*, and Fang-Rong Chang*, 2014, "Bioactive Constituents of *Cirsium japonicum* var. *austral*" , *Journal of Natural Products*, 77, 1624-1631.
452. Mei-Juan Wang, Ying-Qian Liu *, Ling-Chu Chang, Chih-Ya Wang , Yong-Long Zhao, Xiao-Bo Zhao, Keduo Qian , Xiang Nan, Liu Yang , Xiao-Ming Yang , Hsin-Yi Hung, Jai-Sing Yang , Daih-Huang Kuo, Masuo Goto , Susan L. Morris-Natschke , Shiow-Lin Pan , Che-Ming Teng , Sheng-Chu Kuo, Tian-Shung Wu , Yang-Chang Wu, and Kuo-Hsiung Lee *, 2014, "Design, Synthesis, Mechanisms of Action, and Toxicity of Novel 20(S)-Sulfonylamidine Derivatives of Camptothecin as Potent Antitumor Agents", *Journal of Medicinal Chemistry*, 57, 6008-6018.
453. Hsu-Ming Chung, Wei-Hsien Wang, Tsong-Long Hwang, Jan-Jung Li, Lee-Shing Fang, Yang-Chang Wu* and Ping-Jyun Sung*, 2014, "Rumphellaones B and C, New 4,5-Seco-Caryophyllane Sesquiterpenoids from *Rumphella Antipathies*", *Molecules*, 19, 12320-12327.
454. Bang-Jau You, Yang-Chang Wu, Chia-Lin Lee, Hong-Zin Lee, 2014, "Non-homologous End Joining Pathway is the Major Route of Protection against 4 β -hydroxywithanolide E-induced DNA Damage in MCF-7 Cells", *Food and Chemical Toxicology*, 65, 205-212.
455. Hsu-Ming Chung, Wei-Hsien Wang, Tsong-Long Hwang, Jih-Jung Chen, Lee-Shing Fang, Zhi-Hong Wen, Yu-Bao Wang, Yang-Chang Wu* and Ping-Jyun Sung*, 2014, "Rumphellols A and B, New Caryophyllene Sesquiterpenoids from a Formosan Gorgonian Coral, *Rumphella Antipathies*", *International Journal of Molecular Sciences*, 15, 15679-15688.
456. Tsurng-Juhn Huang*, Yu-Chi Tsai, Shang-Yu Chiang, Guei-Jane Wang, Yu-Cheng Kuo, Yi-Chih Chang, Yi-Ying Wug, Yang-Chang Wu*, 2014, "Anti-viral Effect of a Compound Isolated from *Liriope platyphylla* against Hepatitis B virus in Vitro", *Virus Research*, 192, 16-24.
457. Yuan-Bin Cheng, Chih-Chin Lan, Wei-Chun Liu, Wan-Chun Lai, Yu-Chi Tsai, Michael Y. Chiang, Yang-Chang Wu*, Fang-Rong Chang*, 2014, "Kuroshines A and B, New Alkaloids from *Zoanthus kuroshio*", *Tetrahedron Letters*, 55, 5369-5372.
458. Tung-Ho Wu, Yung-Yi Cheng, Jing-Ru Liou, Tzong-Der Way, Chao-Jung Chen, Yung-Husan Chen, Sheng-Chu Kuo, Mohamed El-Shazly, Fang-Rong Chang, Yang-Chang Wu* and Chih-Chuang Liaw*, 2014, "Clerodane Diterpenes from

Polyalthia Longifolia var. *Pendula* Pprotect SK-N-MC Human Neuroblastoma Cells from β -amyloid Insult.”, *RSC Advances*, 4, 20707-23712.

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461. Yung-Shun Juan, Chien-Chih Lee, Chia-Wei Tsao, Mei-Chin Lu, Mohamed El-Shazly, Huei-Chuan Shih, Yu-Cheng Chen, Yang-Chang Wu* and Jui-Hsin Su*, 2014, “Structure Elucidation and Cytotoxic Evaluation of New Polyacetylenes from a Marine Sponge *Petrosia* sp.”, *International Journal of Molecular Sciences*, 15, 16511-16521.
462. Tsong-Long Hwang, Hsin-I Shen, Fu-Chao Liu, Hsin-I Tsai, Yang-Chang Wu, Fang-Rong Chang, Huang-Ping Yu*, 2014, “Ursolic Acid Inhibits Superoxide Production in Activated Neutrophils and Attenuates Trauma-hemorrhage Shock-induced Organ Injury in Rats”, *Plos One*, 9, e111365.
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465. Yin-Di Su, Ching-Hsiao Cheng, Wu-Fu Chen, Yu-Chia Chang, Yu-Hsin Chen, Tsong-Long Hwang, Zhi-Hong Wen, Wei-Hsien Wang, Lee-Shing Fang, Jih-Jung Chen, Yang-Chang Wu, Jyh-Horng Sheu, Ping-Jyun Sung*, 2014, “Briarenolide J, the First 12-Chlorobriarane Diterpenoid from an octocoral *Briareum* sp. (*Briareidae*)”, *Tetrahedron Letters*, 55, 6065-6067.
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