

SCI Papers of DMBR (Jan. 2012-Dec. 2012)

1. Arulselvan, P.; Wen, C. C.; Lan, C. W.; Chen, Y. H.; Wei, W. C.; Yang, N. S., Dietary Administration of Scallion Extract Effectively Inhibits Colorectal Tumor Growth: Cellular and Molecular Mechanisms in Mice. *Plos One* **2012**, 7, (9).
2. Barve, B. D.; Wu, Y. C.; El-Shazly, M.; Chuang, D. W.; Chung, Y. M.; Tsai, Y. H.; Wu, S. F.; Korinek, M.; Du, Y. C.; Hsieh, C. T.; Wang, J. J.; Chang, F. R., Synthesis of Carbamates by Direct C-H Bond Activation of Formamides. *European Journal of Organic Chemistry* **2012**, (34), 6760-6766.
3. Chakraborty, C.; Pal, S.; Doss, C. G. P.; Wen, Z. H.; Lin, C. S., In Silico Analyses of COMT, an Important Signaling Cascade of Dopaminergic Neurotransmission Pathway, for Drug Development of Parkinson's Disease. *Applied Biochemistry and Biotechnology* **2012**, 167, (4), 845-860.
4. Chen, C. S.; Yeh, S. P.; Wang, L. H.; Li, H. H.; Chen, U. W. N., Increased susceptibility of algal symbionts to photo-inhibition resulting from the perturbation of coral gastrodermal membrane trafficking. *Science China-Life Sciences* **2012**, 55, (7), 599-611.
5. Chen, D. H.; Chyan, C. L.; Jiang, P. L.; Chen, C. S.; Tzen, J. T. C., The same oleosin isoforms are present in oil bodies of rice embryo and aleurone layer while caleosin exists only in those of the embryo. *Plant Physiology and Biochemistry* **2012**, 60, 18-24.
6. Chen, S. C.; Kung, M. L.; Hu, T. H.; Chen, H. Y.; Wu, J. C.; Kuo, H. M.; Tsai, H. E.; Lin, Y. W.; Wen, Z. H.; Liu, J. K.; Yeh, M. H.; Tai, M. H., Hepatoma-derived growth factor regulates breast cancer cell invasion by modulating epithelial-mesenchymal transition. *Journal of Pathology* **2012**, 228, (2), 158-169.
7. Chen, S. P.; Chen, B. W.; Dai, C. F.; Sung, P. J.; Wu, Y. C.; Sheu, J. H., Sarcophytonins F and G, New Dihydrofuranocembranoids from a Dongsha Atoll Soft Coral *Sarcophyton* sp. *Bulletin of the Chemical Society of Japan* **2012**, 85, (8), 920-922.
8. Chen, W. N. U.; Kang, H. J.; Weis, V. M.; Mayfield, A. B.; Jiang, P. L.; Fang, L. S.; Chen, C. S., Diel rhythmicity of lipid-body formation in a coral-Symbiodinium endosymbiosis. *Coral Reefs* **2012**, 31, (2), 521-534.
9. Chen, Y. H.; Kuo, J.; Su, J. H.; Hwang, T. L.; Lee, C. H.; Weng, C. F.; Sung, P. J., Pseudoalteromone B: A Novel 15C Compound from a Marine Bacterium *Pseudoalteromonas* sp CGH2XX. *Marine Drugs* **2012**, 10, (7), 1566-1571.
10. Cheng, C. H.; Chung, H. M.; Hwang, T. L.; Lu, M. C.; Wen, Z. H.; Kuo, Y. H.; Wang, W. H.; Sung, P. J., Echinoclerodane A: A New Bioactive Clerodane-Type Diterpenoid from a

- Gorgonian Coral Echinomuricea sp. *Molecules* **2012**, 17, (8), 9443-9450.
11. Cheng, C. H.; Lin, Y. S.; Wen, Z. H.; Su, J. H., A New Cubitane Diterpenoid from the Soft Coral Sinularia crassa. *Molecules* **2012**, 17, (9), 10072-10078.
 12. Chung, H. M.; Hong, P. H.; Su, J. H.; Hwang, T. L.; Lu, M. C.; Fang, L. S.; Wu, Y. C.; Li, J. J.; Chen, J. J.; Wang, W. H.; Sung, P. J., Bioactive Compounds from a Gorgonian Coral Echinomuricea sp (Plexauridae). *Marine Drugs* **2012**, 10, (5), 1169-1179.
 13. Chung, H. M.; Hu, L. C.; Yen, W. H.; Su, J. H.; Lu, M. C.; Hwang, T. L.; Wang, W. H.; Sung, P. J., Echinohalimane A, a Bioactive Halimane-Type Diterpenoid from a Formosan Gorgonian Echinomuricea sp (Plexauridae). *Marine Drugs* **2012**, 10, (10), 2246-2253.
 14. Du, Y. C.; Chang, F. R.; Wu, T. Y.; Hsu, Y. M.; El-Shazly, M.; Chen, C. F.; Sung, P. J.; Lin, Y. Y.; Lin, Y. H.; Wu, Y. C.; Lu, M. C., Antileukemia component, dehydroeburicoic acid from *Antrodia camphorata* induces DNA damage and apoptosis in vitro and in vivo models. *Phytomedicine* **2012**, 19, (8-9), 788-796.
 15. Fang, H. Y.; Liaw, C. C.; Chao, C. H.; Wen, Z. H.; Wu, Y. C.; Hsu, C. H.; Dai, C. F.; Sheu, J. H., Bioactive pregnane-type steroids from the soft coral *Scleronephthya gracillimum*. *Tetrahedron* **2012**, 68, (47), 9694-9700.
 16. Gonzalez, D. J.; Xu, Y. Q.; Yang, Y. L.; Esquenazi, E.; Liu, W. T.; Edlund, A.; Duong, T.; Du, L. C.; Molnar, I.; Gerwick, W. H.; Jensen, P. R.; Fischbach, M.; Liaw, C. C.; Straight, P.; Nizet, V.; Dorrestein, P. C., Observing the invisible through imaging mass spectrometry, a window into the metabolic exchange patterns of microbes. *Journal of Proteomics* **2012**, 75, (16), 5069-5076.
 17. Hong, P. H.; Su, Y. D.; Lin, N. C.; Chen, Y. H.; Kuo, Y. H.; Hwang, T. L.; Wang, W. H.; Chen, J. J.; Sheu, J. H.; Sung, P. J., Briarenolide E: the first 2-ketobriarane diterpenoid from an octocoral *Briareum* sp (Briareidae). *Tetrahedron Letters* **2012**, 53, (14), 1710-1712.
 18. Hong, P. H.; Su, Y. D.; Su, J. H.; Chen, Y. H.; Hwang, T. L.; Weng, C. F.; Lee, C. H.; Wen, Z. H.; Sheu, J. H.; Lin, N. C.; Kuo, Y. H.; Sung, P. J., Briarenolides F and G, New Briarane Diterpenoids from a *Briareum* sp Octocoral. *Marine Drugs* **2012**, 10, (5), 1156-1168.
 19. Huang, C. Y.; Su, J. H.; Duh, C. Y.; Chen, B. W.; Wen, Z. H.; Kuo, Y. H.; Sheu, J. H., A new 9,11-secoesterol from the soft coral *Sinularia granosa*. *Bioorganic & Medicinal Chemistry Letters* **2012**, 22, (13), 4373-4376.
 20. Huang, C. Y.; Su, J. H.; Sung, P. J.; Sheu, J. H., Withanolide-based steroids from a cultured soft coral *Sinularia brassica*. *Planta Medica* **2012**, 78, (11), 1151-1151.
 21. Huang, H. C.; Liaw, C. C.; Yang, H. L.; Hseu, Y. C.; Kuo, H. T.; Tsai, Y. C.; Chien, S. C.; Amagaya, S.; Chen, Y. C.; Kuo, Y. H., Lanostane triterpenoids and sterols from *Antrodia camphorata*. *Phytochemistry* **2012**, 84, 177-183.

22. Huang, H. Y.; Liu, D. D.; Chang, H. F.; Chen, W. F.; Hsu, H. R.; Kuo, J. S.; Wang, M. J., Histone Deacetylase Inhibition Mediates Urocortin-Induced Antiproliferation and Neuronal Differentiation in Neural Stem Cells. *Stem Cells* **2012**, 30, (12), 2760-2773.
23. Huang, S. Y.; Chen, N. F.; Chen, W. F.; Hung, H. C.; Lee, H. P.; Lin, Y. Y.; Wang, H. M.; Sung, P. J.; Sheu, J. H.; Wen, Z. H., Sinularin from Indigenous Soft Coral Attenuates Nociceptive Responses and Spinal Neuroinflammation in Carrageenan-Induced Inflammatory Rat Model. *Marine Drugs* **2012**, 10, (9), 1899-1919.
24. Liang, C. H.; Wang, G. H.; Chou, T. H.; Wang, S. H.; Lin, R. J.; Chan, L. P.; So, E. C.; Sheu, J. H., 5-epi-Sinuleptolide induces cell cycle arrest and apoptosis through tumor necrosis factor/mitochondria-mediated caspase signaling pathway in human skin cancer cells. *Biochimica Et Biophysica Acta-General Subjects* **2012**, 1820, (7), 1149-1157.
25. Liao, W. T.; Huang, T. S.; Chiu, C. C.; Pan, J. L.; Liang, S. S.; Chen, B. H.; Chen, S. H.; Liu, P. L.; Wang, H. C.; Wen, Z. H.; Wang, H. M.; Hsiao, S. W., Biological Properties of Acidic Cosmetic Water from Seawater. *International Journal of Molecular Sciences* **2012**, 13, (5), 5952-5971.
26. Liao, W. Y.; Shen, C. N.; Lin, L. H.; Yang, Y. L.; Han, H. Y.; Chen, J. W.; Kuo, S. C.; Wu, S. H.; Liaw, C. C., Asperjinone, a norneolignan, and terrein, a suppressor of ABCG2-expressing breast cancer cells, from Aspergillus terreus. *Planta Medica* **2012**, 78, (11), 1162-1162.
27. Lin, Y. R.; Chiu, C. W.; Chang, F. Y.; Lin, C. S., Characterization of a new phage, termed phi A318, which is specific for Vibrio alginolyticus. *Archives of Virology* **2012**, 157, (5), 917-926.
28. Lin, Y. R.; Lin, C. S., Genome-wide characterization of vibrio phage phi pp2 with unique arrangements of the mob-like genes. *Bmc Genomics* **2012**, 13.
29. Liu, W. S.; Chen, M. C.; Chiu, K. H.; Wen, Z. H.; Lee, C. H., Amelioration of Dextran Sodium Sulfate-Induced Colitis in Mice by Rhodobacter sphaeroides Extract. *Molecules* **2012**, 17, (11), 13622-13630.
30. Lu, Y. Y.; Cheng, C. C.; Chen, Y. C.; Chen, S. A.; Chen, Y. J., ATX-II-induced pulmonary vein arrhythmogenesis related to atrial fibrillation and long QT syndrome. *European Journal of Clinical Investigation* **2012**, 42, (8), 823-831.
31. Mayfield, A. B.; Chan, P. H.; Putnam, H. M.; Chen, C. S.; Fan, T. Y., The effects of a variable temperature regime on the physiology of the reef-building coral *Seriatopora hystrix*: results from a laboratory-based reciprocal transplant. *Journal of Experimental Biology* **2012**, 215, (23), 4183-4195.
32. Peng, S. E.; Chen, C. S.; Song, Y. F.; Huang, H. T.; Jiang, P. L.; Chen, W. N. U.; Fang, L. S.; Lee, Y. C., Assessment of metabolic modulation in free-living versus endosymbiotic *Symbiodinium* using synchrotron radiation-based infrared microspectroscopy. *Biology Letters*

2012, 8, (3), 434-437.

33. Su, J. H.; Huang, C. Y.; Li, P. J.; Lu, Y.; Wen, Z. H.; Kao, Y. H.; Sheu, J. H., Bioactive cadinane-type compounds from the soft coral *Sinularia scabra*. *Archives of Pharmacal Research* **2012**, 35, (5), 779-784.
34. Su, Y. D.; Hong, P. H.; Chen, Y. H.; Sheu, J. H.; Sung, P. J., Briarenolides E-J, new Briarane diterpenoids from an octocoral *Briareum* sp. *Planta Medica* **2012**, 78, (11), 1145-1145.
35. Su, Y. D.; Hwang, T. L.; Lin, N. C.; Chen, Y. H.; Wu, Y. C.; Sheu, J. H.; Sung, P. J., Briarenolides H and I: New 8-Hydroxybriarane Diterpenoids from a Formosan Octocoral *Briareum* sp (Briareidae). *Bulletin of the Chemical Society of Japan* **2012**, 85, (9), 1031-1036.
36. Sung, C. S.; Cherng, C. H.; Wen, Z. H.; Chang, W. K.; Huang, S. Y.; Lin, S. L.; Chan, K. H.; Wong, C. S., Minocycline and fluorocitrate suppress spinal nociceptive signaling in intrathecal IL-1 beta-induced thermal hyperalgesic rats. *Glia* **2012**, 60, (12), 2004-2017.
37. Tang, C. H.; Tsao, P. N.; Lin, C. Y.; Fang, L. S.; Lee, S. H.; Wang, W. H., Phosphorylcholine-containing lipid molecular species profiling in biological tissue using a fast HPLC/QqQ-MS method. *Analytical and Bioanalytical Chemistry* **2012**, 404, (10), 2949-2961.
38. Tseng, K. C.; Ho, Y. C.; Hsieh, Y. H.; Lai, N. S.; Wen, Z. H.; Li, C.; Wu, S. F., Elevated frequency and function of regulatory T cells in patients with active chronic hepatitis C. *Journal of Gastroenterology* **2012**, 47, (7), 823-833.
39. Tseng, Y. J.; Shen, K. P.; Lin, H. L.; Huang, C. Y.; Dai, C. F.; Sheu, J. H., Lochmolins A-G, New Sesquiterpenoids from the Soft Coral *Sinularia lochmodes*. *Marine Drugs* **2012**, 10, (7), 1572-1581.
40. Wang, L. H.; Sheu, J. H.; Kao, S. Y.; Su, J. H.; Chen, Y. H.; Su, Y. D.; Chang, Y. C.; Fang, L. S.; Wang, W. H.; Wu, Y. C.; Sung, P. J., Natural Product Chemistry of Gorgonian Corals of the Family Plexauridae Distributed in the Indo-Pacific Ocean. *Marine Drugs* **2012**, 10, (11), 2415-2434.
41. Wang, S. K.; Hsieh, M. K.; Duh, C. Y., Three New Cembranoids from the Taiwanese Soft Coral *Sarcophyton ehrenbergi*. *Marine Drugs* **2012**, 10, (7), 1433-1444.
42. Wang, S. K.; Lee, Y. S.; Duh, C. Y., Paralemnolide A, an Unprecedented Bisnorsesquiterpene from the Taiwanese Soft Coral *Paralemnalia thrysoides*. *Marine Drugs* **2012**, 10, (7), 1528-1535.
43. Wang, S. K.; Puu, S. Y.; Duh, C. Y., New 19-Oxygenated Steroids from the Soft Coral *Nephthea chabrolii*. *Marine Drugs* **2012**, 10, (6), 1288-1296.
44. Wang, S. K.; Yeh, T. T.; Duh, C. Y., Briacavatolides D-F, New Briaranes from the Taiwanese Octocoral *Briareum excavatum*. *Marine Drugs* **2012**, 10, (9), 2103-2110.

45. Wu, S. L.; Su, J. H.; Huang, C. Y.; Tai, C. J.; Sung, P. J.; Liaw, C. C.; Sheu, J. H., Simplexins P-S, Eunicellin-Based Diterpenes from the Soft Coral *Klyxum simplex*. *Marine Drugs* **2012**, 10, (6), 1203-1211.
46. Yang, N. S.; Wei, W. C.; Lin, S. Y.; Chen, Y. T.; Wu, C. C., Categorization of Medicinal Plants with Immuno-regulatory Activities by Cytokine Expression in Mouse Bone-Marrow Derived Dendritic Cells. *Pharmaceutical Biology* **2012**, 50, (5), 651-652.
47. Yang, S. N., Current Status and Future Diagnostic Trends of Prenatal Illicit Drug Exposure in the Neonate. *Pediatrics and Neonatology* **2012**, 53, (2), 81-82.
48. Yang, Y. N.; Tseng, H. I.; Yang, S. N.; Lu, C. C.; Chen, H. L.; Chen, C. J., A Strategy for Reduction of Antibiotic Use in New Patients Admitted to a Neonatal Intensive Care Unit. *Pediatrics and Neonatology* **2012**, 53, (4), 245-251.
49. Yeh, T. T.; Wang, S. K.; Dai, C. F.; Duh, C. Y., Briacavatolides A-C, New Briaranes from the Taiwanese Octocoral *Briareum excavatum*. *Marine Drugs* **2012**, 10, (5), 1019-1026.
50. Yen, W. H.; Hu, L. C.; Su, J. H.; Lu, M. C.; Twan, W. H.; Yang, S. Y.; Kuo, Y. C.; Weng, C. F.; Lee, C. H.; Kuo, Y. H.; Sung, P. J., Norcembranoidal Diterpenes from a Formosan Soft Coral *Sinularia* sp. *Molecules* **2012**, 17, (12), 14058-14066.
51. Chang, C. W.; Lin, C. H.; Chen, Y. S.; Chen, M. H.; Chang, S. K., Age validation, growth estimation and cohort dynamics of the bony flying fish *Hirundichthys oxycephalus* off eastern Taiwan. *Aquatic Biology* **2012**, 15, (3), 251-260.
52. Chao, C. H.; Chou, K. J.; Huang, C. Y.; Wen, Z. H.; Hsu, C. H.; Wu, Y. C.; Dai, C. F.; Sheu, J. H., Steroids from the Soft Coral *Sinularia crassa*. *Marine Drugs* **2012**, 10, (2), 439-450.
53. Chen, W. F.; Chakraborty, C.; Sung, C. S.; Feng, C. W.; Jean, Y. H.; Lin, Y. Y.; Hung, H. C.; Huang, T. Y.; Huang, S. Y.; Su, T. M.; Sung, P. J.; Sheu, J. H.; Wen, Z. H., Neuroprotection by marine-derived compound, 11-dehydrosinulariolide, in an in vitro Parkinson's model: a promising candidate for the treatment of Parkinson's disease. *Naunyn-Schmiedebergs Archives of Pharmacology* **2012**, 385, (3), 265-275.
54. Chen, Y. H.; Hwang, T. L.; Su, Y. D.; Chang, Y. C.; Hong, P. H.; Hu, L. C.; Yen, W. H.; Hsu, H. Y.; Huang, S. J.; Kuo, Y. H.; Sung, P. J., New 6-Hydroxyeunicellins from a Soft Coral *Cladiella* sp. *Chemical & Pharmaceutical Bulletin* **2012**, 60, (1), 160-163.
55. Chen, Y. H.; Lu, M. C.; Chang, Y. C.; Hwang, T. L.; Wang, W. H.; Weng, C. F.; Kuo, J. M.; Sung, P. J., Pseudoalteromone A: a novel bioactive ubiquinone from a marine bacterium *Pseudoalteromonas* sp. CGH2XX (Pseudoalteromonadaceae). *Tetrahedron Letters* **2012**, 53, (13), 1675-1677.
56. Chen, Y. H.; Tai, C. Y.; Hwang, T. L.; Sung, P. J., Cladieunicillin H, a New Hemiketal Eunicillin-based Diterpenoid from the Octocoral *Cladiella* sp. *Natural Product*

Communications **2012**, *7*, (4), 481-484.

57. Du, Y. C.; Wu, T. Y.; Chang, F. R.; Lin, W. Y.; Hsu, Y. M.; Cheng, F. T.; Lu, C. Y.; Yen, M. H.; Tsui, Y. T.; Chen, H. L.; Hou, M. F.; Lu, M. C.; Wu, Y. C., Chemical profiling of the cytotoxic triterpenoid-concentrating fraction and characterization of ergostane stereo-isomer ingredients from *Antrodia camphorata*. *Journal of Pharmaceutical and Biomedical Analysis* **2012**, *58*, 182-192.
58. Hsieh, S. F.; Hsieh, T. J.; El-Shazly, M.; Du, Y. C.; Wu, C. C.; Hwang, T. L.; Wu, Y. C.; Chang, F. R., Chemical Constituents from *Farfugium japonicum* var. *formosanum*. *Natural Product Communications* **2012**, *7*, (4), 435-440.
59. Lee, C. H.; Kao, C. Y.; Kao, S. Y.; Chang, C. H.; Su, J. H.; Hwang, T. L.; Kuo, Y. H.; Wen, Z. H.; Sung, P. J., Terpenoids from the Octocorals *Menella* sp (Plexauridae) and *Lobophytum crassum* (Alcyonacea). *Marine Drugs* **2012**, *10*, (2), 427-438.
60. Liao, W. Y.; Shen, C. N.; Lin, L. H.; Yang, Y. L.; Han, H. Y.; Chen, J. W.; Kuo, S. C.; Wu, S. H.; Liaw, C. C., Asperjinone, a Nor-Neolignan, and Terrein, a Suppressor of ABCG2-Expressing Breast Cancer Cells, from Thermophilic *Aspergillus terreus*. *Journal of Natural Products* **2012**, *75*, (4), 630-635.
61. Lin, W. Y.; Lu, Y.; Chen, B. W.; Huang, C. Y.; Su, J. H.; Wen, Z. H.; Dai, C. F.; Kuo, Y. H.; Sheu, J. H., Sarcocrassocolides M-O, Bioactive Cembranoids from the Dongsha Atoll Soft Coral *Sarcophyton crassoceaule*. *Marine Drugs* **2012**, *10*, (3), 617-626.
62. Liu, C. S.; Chang, C. C.; Du, Y. C.; Chang, F. R.; Wu, Y. C.; Chang, W. C.; Hsieh, T. J., 2-Hydroxy-4'-Methoxychalcone Inhibits Proliferation and Inflammation of Human Aortic Smooth Muscle Cells by Increasing the Expression of Peroxisome Proliferator-Activated Receptor Gamma. *Journal of Cardiovascular Pharmacology* **2012**, *59*, (4), 339-351.
63. Shih, H. J.; Tseng, Y. J.; Huang, C. Y.; Wen, Z. H.; Dai, C. F.; Sheu, J. H., Cytotoxic and anti-inflammatory diterpenoids from the Dongsha Atoll soft coral *Sinularia flexibilis*. *Tetrahedron* **2012**, *68*, (1), 244-249.
64. Su, J. H.; Lu, Y.; Lin, W. Y.; Wang, W. H.; Sung, P. J.; Sheu, J. H., A Cembranoid, Trocheliophorol, from the Cultured Soft Coral *Sarcophyton trocheliophorum* (vol 87, pg 277, 1978). *Chemistry Letters* **2012**, *41*, (3), 340-340.
65. Sung, P. J.; Kao, S. Y.; Kao, C. Y.; Chang, Y. C.; Chen, Y. H.; Su, Y. D., Seco-germacrane anhydride: Occurrence of a sesquiterpene lactone in the gorgonian coral *Menella* sp (Plexauridae). *Biochemical Systematics and Ecology* **2012**, *40*, 53-55.
66. Taniuchi, Y.; Chen, Y. L. L.; Chen, H. Y.; Tsai, M. L.; Ohki, K., Isolation and characterization of the unicellular diazotrophic cyanobacterium Group C TW3 from the tropical western Pacific Ocean. *Environmental Microbiology* **2012**, *14*, (3), 641-654.

67. Tung, K. A.; Yang, H. Y.; Liu, D. Y.; Zhang, J. X.; Yang, H. J.; Shau, Y. H.; Tseng, C. Y., The amphibolite-facies metamorphosed mafic rocks from the Maxianshan area, Qilian block, NW China: A record of early Neoproterozoic arc magmatism. *Journal of Asian Earth Sciences* **2012**, 46, 177-189.
68. Wang, S. K.; Duh, C. Y., New Cytotoxic Cembranolides from the Soft Coral Lobophytum michaelae. *Marine Drugs* **2012**, 10, (2), 306-318.