

CURRICULUM VITAE

MIN-HSIUNG PAN, Distinguished Professor

Institute of Food Science and Technology
National Taiwan University
No.1, Section 4, Roosevelt Road, Taipei 10617, Taiwan
TEL: +886-2-33664133
Fax: +886-2-33661771
Email: mhpan@ntu.edu.tw

EDUCATION:

- | | |
|-----------|--|
| 1996-2000 | Ph.D. Biochemistry
Institute of Biochemistry
College of Medicine
National Taiwan University
Taipei, Taiwan |
| 1993-1995 | M.Sc. Food Chemistry
Department of Food Science
National Taiwan Ocean University
Keelung, Taiwan |
| 1991-1993 | B.Sc. Food Chemistry
Department of Food Science
National Taiwan Ocean University
Keelung, Taiwan |

POSTDOCTORAL TRAINING:

- | | |
|-----------|--|
| 2000-2001 | Postdoctoral Associate
Institute of Biochemistry
College of Medicine
National Taiwan University, Taiwan |
|-----------|--|

ACADEMIC APPOINTMENTS:

- | | |
|-------|---|
| 2015~ | Distinguished Professor
Institute of Food Science and Technology |
|-------|---|

National Taiwan University

- | | |
|-----------|--|
| 2013-2015 | Professor
Institute of Food Science and Technology
National Taiwan University |
| 2012-2013 | Dean
Research & Development Affairs
National Kaohsiung Marine University |
| 2011-2012 | Associate Dean
Academic Affairs
National Kaohsiung Marine University |
| 2009-2011 | Director
Interns and Alumni Service Division
National Kaohsiung Marine University |
| 2007- | Professor
Department of Seafood Science
National Kaohsiung Marine University |
| 2005-2007 | Director, Associate Professor
Department of Seafood Science
National Kaohsiung Marine University |
| 2004-2007 | Associate Professor
Department of Seafood Science
National Kaohsiung Marine University |
| 2001-2004 | Assistant Professor
Department of Seafood Science
National Kaohsiung Marine University |

SCIENTIFIC ACTIVITIES:

Editor-in-Chief

Current Research in Nutrition and Food Science
2017/10/03~

Associate Editor:

Journal of Food and Drug Analysis (2013~now)

Guest Editor:

Molecules

Oxidative Medicine and Cellular Longevity

Editorial Board:

Food Science and Human Wellness

Journal of Functional Foods

Journal of Traditional and Complementary Medicine

World Journal of Gastroenterology

World Journal of Pharmacology

Journal Reviewer:

Biochemical Pharmacology

BioMed Complementary and Alternative Medicine,

Cancer Chemotherapy and Pharmacology

Cancer Letters

Cancer Prevention Research

Cancer Research

Carcinogenesis

Cytokine

Evidence Based Complementary and Alternative Medicine

Food Chemical and Toxicology

Food Chemistry

Food & Function

International Immunopharmacology

Journal Agriculture and Food Chemistry

Journal of Cancer Molecules

Journal of Food and Drug Analysis

Journal of Food Biochemistry
Journal of Food Science
Journal of Functional Foods
Medical Oncology
Molecular Biology Reports
Molecular Nutrition and Food Research
Mutation Research/Fundamental and Molecular Mechanisms of
Mutagenesis
Oncotarget
Pharmacological Research
PLOS ONE
PROTEOMICS
Scientific Reports
Telethon
The Journal of Urology

Grant Reviewer:

Ministry of Science and Technology

EXPERTISE:

1. Purification and structure determination of dietary nature compounds from functional foods and herbal medicine.
2. Bioavailability and Epigenetic studies of dietary bioactive compounds in cells and animals.
3. Molecular mechanisms of action of natural dietary compounds on cancer chemoprevention.
4. Discovery and development of novel phytochemicals that can be used in functional foods/dietary supplements to prevent chronic diseases such as liver disease and obesity.
5. Epigenetic and disease targets by natural dietary compounds.

HONORS AND AWARDS:

- 2015, Outstanding reviewer Award of Journal of Agriculture and Food Chemistry
- 2015, National Taiwan University, Food Safety Center, Health and safety Visit External experts. (2015/6/17-2016/12/31)
- 2014, Fellow, Agricultural & Food Chemistry Division, American Chemistry Society

- 2013, Outstanding Research and Technology Development Award of Health Food Society of Taiwan
- 2011, Outstanding Research Award of National Science Council
- 2009, Outstanding Research Award of National Kaohsiung Marine University, Taiwan
- 2008, The 46th Ten Outstanding Young People, Taiwan
- 2007, Ta-You Wu Memorial Award of National Science Council, Taiwan

PROFESSIONAL AFFILIATIONS:

- American Chemical Society
- International Society for Nutraceuticals and Functional Foods (ISNFF)
- Health Food Society of Taiwan
- Taiwan Association for Food Science and Technology

PATENT

- Hsu, Ping-Chi; **Pan, Min-Hsiung**; Jiang, Yi-Peng; Chen, Meng-Ting. Herbal natural complex for improving sperm function and manufacturing method thereof. Patent Number: CN 201636012.
- Badmaev, Vladimir; **Pan, Min-Hsiung** . Method Use of Polymethoxyflavones (PMFs) in Body Composition Management. US Patent. 20,160,082,066: 2016.
- Ho, Chi-Tang; Li, S.; **Pan, Min-Hsiung**; Lo, Chih-Yu; Dushendov, Slavik. Provided herein are compositions enriched in polyhydroxylated polymethoxyflavones useful as dietary supplements, food additives, pharmaceutical compositions, nutraceutical compositions and cosmetic compositions. Patent Number: WO/2007/109071
- **Pan, Min-Hsiung**; Chang, Chi-I; Wu, Chia-Li; Hsu, Pang-Kuei. Trans-2-nonadecyl-4-hydroxymethyl-1,3-dioxolane and method for producing thereof. Patent Number: CN 201529564
- **Pan, Min-Hsiung** and Wu, Chia-Li. The uses of hydroxyl polymethoxylflavones and/or derivative thereof. Patent Number: CN 201507725
- Liu, Chen-Shan; **Pan, Min-Hsiung**; Chang, Chih-I. The extraction method of orchid extracts and its application. Patent Number: CN 201318647
- Tu, Shih-Hsin; Ku, Chung-Yu; Chen, Ching-Shyang; Huang, Ching-Shui; Lee, Chia-Hwa; Chen, Li-Ching; **Pan, Min-Hsiung**; Chang, Hui-Wen; Chang, Chien-Hsi; Chang, Yu-Jia; Wei, Po-Li; Wu, Chih-Hsiung; Ho, Yuan-Soon. Use of tea polyphenols for treating and/or preventing nicotine or nicotine-derived compounds or estrogen induced breast cancer. Patent Number: CN 201233385

- **Pan, Min-Hsiung**; Tsai Chen-Yu; Chang, Chih-I; Sun, Bonnie. Clam purification processes and purification of substance. Patent Number: CN 201114465

CHAIRPERSON OF INTERNATIONAL CONFERENCE

- The International Society for Nutraceuticals and Functional Foods (ISNFF) Conference, Oct 22-25, 2017. Gunsan, Jeonbuk, Korea. (**Invited Speaker and Chairperson**)
- The 3rd International Conference on Pharma-Food (ICPF). November 16-18, 2016. Shizuoka, Japan. (**Invited Speaker**)
- 2016 Joint International Conference on Bioresources and Agriculture. November 11, 2016. Suncheon, Korea. (**Invited Speaker**)
- The International Society for Nutraceuticals and Functional Foods (ISNFF) Conference, October 9-13, 2016. Orlando, Florida, USA. (**Oral Presentation and Moderator**)
- 2016 Asia-Pacific Tea Expo (APTE). September 29-October 2, 2016. Taipei, Taiwan. (**Organizing committee and Moderator**)(105-2916-I-002 -036 -A1)
- 2016 China Association for Cross-Strait Young Scientist of Food Science and Technology Forum. September 6-7, 2016. Fuzhou, China. (**Chairperson**)
- The 9th International Symposium of Food Science. July 30-31, 2016. Shenyang, China. (**Vice Chairman**)
- Min-Hsiung Pan* Directly interact with Keap1 and LPS is involved in the anti-inflammatory mechanisms of (-)-epicatechin-3-gallate in LPS-induced macrophages and endotoxemia. The 9th Cross-Strait and Hong Kong and Macao Tea Symposium. June 14-20, 2016. Anhui, China. (**Chairperson**)
- 2016 8th Cross-Strait Food Science Frontiers Forum. June 11-14, 2016. Zhangzhou, Fujian, China. (**Chairperson**)
- 2016 Biomedical Symposium on Nutritional Prevention of Osteoarthritis. April 1, 2016. Taipei, Taiwan. (**Chairperson**)
- 2015 Symposium on Bioactivity and Health Promoting Benefit of Polymethoxyflavones. Organized by the Division of Agricultural and Food Chemistry. August 16-20, 2015. Boston, Massachusetts, USA. (**Organizing Committee**)
- International Society for Nutraceuticals and Functional Foods (ISNFF) Conference, November 5-9, 2013. Taipei, Taiwan. (**Invited Speaker**)
- The 3rd IAFP's Asia Pacific International Conference on Food Safety. October 29-November 1, 2013. Taipei, Taiwan. (**Chairperson**)
- Min-Hsiung Pan*, Jia-Ching Wu, Ching-Shu Lai, Vladimir Badmaev, Kalyanam Nagabhushanam and Chi-Tang Ho. Tetrahydrocurcumin (THC) potently suppresses

azoxymethane-induced colon carcinogenesis in mice. International Flavor Conference XIII 5th George Charalambous memorial symposium. May 29–June 1, 2012. AKS Hinitza Bay Hotel. Porto Heli, Greece. (**Oral Presentation**).

- 2012 BIT's 5th Annual World Cancer Congress. May 18-20, 2012. Beijing, China. (**Program Committee**)
- Min-Hsiung Pan*, Ching-Shu Lai, Shiming Li, Hang Xiao, Ying-Jan Wang, Chi-Tang Ho. Chemoprevention of colonic tumorigenesis by dietary hydroxylated polymethoxyflavones in azoxymethane-treated mice. International Conference on Food Factors 2011 (ICoFF 2011) to be held from November 20-23, 2011, International Convention Center in Taipei, Taiwan, P129, S29-4. (**Invited Speaker**).
- Min-Hsiung Pan*. Chemoprevention of colonic tumorigenesis by dietary hydroxylated polymethoxyflavones in azoxymethane-treated mice. International Society for Nutraceuticals and Functional Foods (ISNFF) Conference, Bali, October 11-15, 2010. O52, P.11. (**Chairperson**)
- 2010 The 4th Asian Federation of Laboratory Animal Science Associations (AFLAS) Congress Meeting. November 9-11, 2010. Taipei, Taiwan. (**Invited lecture**)
- 12th International Flavor Conference and the 4th George Charalambous Memorial Symposium from May 25-29, 2009, Island of Skiathos, Greece. (**Chairperson**)
- 2009 The 2nd France-Taiwan Frontiers of Science 2nd Symposium. (**Invited lecture**)
- 2009 annual conference of International Society for Nutraceuticals & Functional Foods (ISNFF), [Nutraceutical, Functional Foods and Dietary Supplements: Science, Methodologies and Applications] in San Francisco, CA, USA. (**Chairperson**)

PUBLICATIONS

2018

1. Tung YC, Hsieh TH, Yang MJ, Hung WL, Ho CT, and **Pan MH***. The effects of the extract of oolong tea and its metabolites from *Andraca theae* in high fat diet induced obese Wistar rat. *Food Science and Human Wellness*. 2018 (In Press)
2. Wu JC, Tung YC, Zheng YN, Tsai ML, Lai CS, Ho CT, **Pan MH***. 5-Demethylnobiletin is more effective than nobiletin in preventing AOM/DSS-induced colorectal carcinogenesis in ICR mice. *Journal of Food Bioactives*. 2018. (In Press)
3. Chiou YS, Zheng YN, Tsai ML, Lai CS, Ho CT, **Pan MH***. 5-Demethylnobiletin more potently inhibits colon cancer cell growth than nobiletin *in vitro* and *in vivo*. *Journal of Food Bioactives*. 2018. (In Press)
4. Tung YC, Chang WT, Li S, Wu JC, Badmeav V, Ho CT, **Pan MH***. Citrus peel extracts attenuated obesity and modulated gut microbiota in mice with high-fat diet-induced obesity. *Food & Function*. 2018 Jun 1. doi: 10.1039/c7fo02066j. (SCI IF= 3.459. rank: 21/125=16.8% in Food Science & Technology, JCR 2016). Times Cited: 0
5. Chiou YS, Lee PS, **Pan MH***. Food Bioactives and Their Effects on Obesity-Accelerated Inflammatory Bowel Disease. *Journal of Agricultural and Food Chemistry*. 2018. 31;66(4):773-779. doi: 10.1021/acs.jafc.7b05854. (SCI IF= 3.504. rank: 2/56=3.57% in Agriculture, Multidisciplinary, JCR 2016) Times Cited: 0
6. Chou YC, Ho CT, **Pan MH***. Stilbenes: Chemistry and Molecular Mechanisms of Anti-obesity. *Current Pharmacology Reports*. 2018, 4 (3), 202-209.
7. **Pan MH***, Wu JC, Ho CT, Lai CS. Antiobesity molecular mechanisms of action: Resveratrol and pterostilbene. *Biofactors*. 2018. 44(1):50-60. doi: 10.1002/biof.1409. (SCI IF= 3.428. rank: 103/290=35.52% in Biochemistry & Molecular biology, JCR 2016) Times Cited: 0
8. Lee PS, Chiou YS, Ho CT, **Pan MH***. Chemoprevention by resveratrol and pterostilbene: Targeting on epigenetic regulation. *Biofactors*. 2018. 44(1):26-35. doi: 10.1002/biof.1401. (SCI IF= 3.428. rank: 103/290=35.52% in Biochemistry & Molecular biology, JCR 2016) Times Cited: 0
9. Wang L, **Pan MH**, Lo CY, Zhao H, Li S, Ho CT, Yang G. Anti-fibrotic activity of polyphenol-enriched sugarcane extract in rats via inhibition of p38 and JNK phosphorylation. *Food & Function*. 2018. 21;9(2):951-958. doi: 10.1039/c7fo01617d. (SCI IF= 3.459. rank: 21/125=16.8% in Food Science & Technology, JCR 2016) Times Cited: 0
10. Wu JC, Tsai ML, Lai CS, Lo CY, Ho CT, Wang YJ, **Pan MH***. Polymethoxyflavones prevent benzo[a]pyrene/dextran sodium sulfate-induced colorectal carcinogenesis through modulating xenobiotic metabolism and ameliorate autophagic defect in ICR mice. *International Journal of Cancer*. 2018. 15; 142(8):1689-1701 (SCI IF= 5.573. rank: 37/212=17.45% in Oncology, JCR 2016) Times Cited: 0

2017

11. Hung WL, Yang G, Wang YC, Chiou YS, Tung YC, Yang MJ, Wang BN, Ho CT, Wang Y, **Pan MH***. Protective effects of theasinensin A against carbon tetrachloride-induced liver injury in mice. *Food & Function*. 2017. 8(9):3276-3287. (SCI IF= 3.459. rank: 21/125=16.8% in Food Science & Technology, JCR 2016) Times Cited: **1**
12. Kimura S, Tung YC, **Pan MH**, Su NW, Lai YJ, Cheng KC. Black garlic: A critical review of its production, bioactivity, and application. *Journal of Food and Drug Analysis*. 2017. 25(1):62-70. (SCI IF= 1.685. rank: 59/125=47.20% in Food Science & Technology, JCR 2016) Times Cited: **5**
13. Tung YC, Hsieh PH, **Pan MH***, Ho CT. Cellular models for the evaluation of the antiobesity effect of selected phytochemicals from food and herbs. *Journal of Food and Drug Analysis*. 2017. 25(1): 100-110. (SCI IF= 1.685. rank: 59/125=47.20% in Food Science & Technology, JCR 2016) Times Cited: **1**
14. Wu JC, Lai CS, Tsai ML, Ho CT, Wang YJ, **Pan MH***. Chemopreventive effect of natural dietary compounds on xenobiotic-induced toxicity. *Journal of Food and Drug Analysis*. 2017. 25(1): 176-186. (SCI IF= 1.685. rank: 59/125=47.20% in Food Science & Technology, JCR 2016) Times Cited: **5**
15. Weerawatanakorn M, **Pan MH**. Phytochemical components of *Carissa carandas* and the inhibitory effects of fruit juice on inducible nitric oxide synthase and cyclooxygenase-2. *Journal of Food Biochemistry*. 2017. 41(3): e12343. Times Cited: 0
16. Lin IY, **Pan MH**, Lai CS, Lin TT, Chen CT, Chung TS, Chen CL, Lin CH, Chuang WC, Lee MC, Lin CC, Ma N. CCM111, the water extract of *Antrodia cinnamomea*, regulates immune-related activity through STAT3 and NF- κ B pathways. *Scientific Reports*. 2017. 7(1):4862. (SCI IF= 4.847. rank: 8/64=12.5% in Multidisciplinary Sciences, JCR 2016) Times Cited: 0
17. Lee PS, Lee CH, **Pan MH***. Cancer chemopreventive effects of phytochemicals by suppressing cancer metastasis. *Journal of Analytical & Pharmaceutical Research*. 2017. 5(6): 00157.
18. Chen RJ, Wu PH, Ho CT, Way TD, **Pan MH**, Chen HM, Ho YS, Wang YJ. P53-dependent downregulation of hTERT protein expression and telomerase activity induces senescence in lung cancer cells as a result of pterostilbene treatment. *Cell Death and Disease*. 2017. 8(8):e2985. doi: 10.1038/cddis. (SCI IF= 6.147. rank: 37/189=17.58% in Cell Biology, JCR 2016) Times Cited: **3**
19. **Pan MH***, Yang G, Li S, Li MY, Tsai ML, Wu JC, Badmaev V, Ho CT, Lai CS. Combination of citrus polymethoxyflavones, green tea polyphenols and Lychee extracts suppresses obesity and hepatic steatosis in high-fat diet induced obese mice. *Molecular Nutrition & Food Research*. 2017. doi: 10.1002 /mnfr.201601104. (SCI IF= 4.518. rank: 6/130=4.6% in Food Science & Technology, JCR 2016) Times Cited: **3**
20. **Pan MH***, Wu JC, Ho CT, Badmaev V. Effects of water extract of *Curcuma longa* (L.) roots on immunity and telomerase function. *Journal of Complementary and Integrative Medicine*. 2017. doi: 10.1515/jcim-2015-0107.
21. Chou YC, Suh JH, Wang Y, Pahwa M, Badmaev V, Ho CT, **Pan MH***. *Boswellia serrata* resin

- extract alleviates azoxymethane (AOM)/dextran sodium sulfate (DSS)-induced colon tumorigenesis. *Molecular Nutrition & Food Research*. 2017. doi: 10.1002/mnfr.201600984. (SCI IF= 4.518. rank: 6/130=4.6% in Food Science & Technology, JCR 2016) Times Cited: **1**
22. **Pan MH***. Introduction to the Special Issue: Dietary Natural Compounds. *Journal of Food and Drug Analysis*. 2017. 25(1): 1–2. (SCI IF= 1.685. rank: 59/125=47.20% in Food Science & Technology, JCR 2016) Times Cited: 0
23. Chen HP, **Pan MH**, Chou YY, Sung C, Lee KH, Leung CM, Hsu PC. Effects of di(2-ethylhexyl)phthalate exposure on 1,2-dimethylhydrazine-induced colon tumor promotion in rats. *Food and Chemical Toxicology*. 2017. 103: 157–167. (SCI IF= 3.628. rank: 14/125=11.20% in Food Science & Technology, JCR 2016) Times Cited: **1**
24. Tu SH, Chiou YS, Kalyanam N, Ho CT, Chen LC, **Pan MH***. Garcinol sensitizes breast cancer cells to Taxol through the suppression of caspase-3/iPLA2 and NF- κ B/Twist1 signaling pathways in a mouse 4T1 breast tumor model. *Food & Function*. 2017. 22;8(3):1067-1079. (SCI IF= 3.459. rank: 21/125=16.8% in Food Science & Technology, JCR 2016) Times Cited: **3**
25. Tang W, Li S, Liu Y, Wu JC, **Pan MH**, Huang MT, Ho CT. Anti-diabetic activities of cis- and trans-2,3,5,4'-tetrahydroxystilbene 2-O- β -glucopyranoside from *Polygonum multiflorum*. *Molecular Nutrition & Food Research*. 2017. doi: 10.1002/mnfr.201600871. (SCI IF= 4.518. rank: 6/130=4.6% in Food Science & Technology, JCR 2016) Times Cited: 0
26. Yang GL, Li SM, Li Y, Yang Y, **Pan, MH***. Effect of nobelitin on the MAPK/NF- κ B signaling pathway in the synovial membrane of rats with arthritis induced by collagen. *Food and Function*. 2017. doi: 10.1039/c7fo01311f. (SCI IF= 3.459. rank: 21/125=16.8% in Food Science & Technology, JCR 2016) Times Cited: 0
27. Wang, SY, Wang, Y, **Pan, MH**, Ho, CT. Anti-obesity molecular mechanism of soy isoflavones: weaving the way to new therapeutic routes. *Food and Function*. 2017. doi: 10.1039/c7fo01094j. (SCI IF= 3.459. rank: 21/125=16.8% in Food Science & Technology, JCR 2016) Times Cited: 0
28. Lai CS, Yang GL, Li SM, Lee PS, Wang BN, Chung MC, Nagabhusanam K, Ho CT, **Pan MH***. 3'-Hydroxypterostilbene suppresses colitis-associated tumorigenesis by inhibition of IL-6/STAT3 signaling in mice. *Journal of Agricultural and Food Chemistry*. 2017. doi: 10.1021/acs.jafc.7b03712. (SCI IF= 3.504. rank: 2/56=3.57% in Agriculture, Multidisciplinary, JCR 2016) Times Cited: 0
- 2016**
29. Lai CS, Wu JC, Ho CT, **Pan MH***. Chemoprevention of obesity by dietary natural compounds targeting mitochondrial regulation. *Molecular Nutrition & Food Research*. 2016. 61(6). doi: 10.1002. (SCI IF= 4.518. rank: 6/130=4.6% in Food Science & Technology, JCR 2016) Times Cited: **2**
30. **Pan MH***, Tung YC*, Yang G, Li S, Ho CT. Molecular mechanisms of the anti-obesity effect of bioactive compounds in tea and coffee. *Food & Function*. 2016. 7(11): 4481-4491. (SCI IF= 3.459. rank: 21/125=16.8% in Food Science & Technology, JCR 2016) Times Cited: **9**

31. Tung YC, Lin YH, Chen HJ, Chou SC, Cheng AC, Kalyanam N, Ho CT, **Pan MH***. Piceatannol exerts anti-obesity effects in C57BL/6 mice through modulating adipogenic proteins and gut microbiota. *Molecules*. 2016. 21(11): 1419. (SCI IF= 2.988. rank: 15/59=25.42% in Chemistry, Organic, JCR 2016) Times Cited: **10**
32. Weerawatanakorn M, **Pan MH**. Phytochemical components of *Carissa carandas* and the inhibitory effects of fruit juice on inducible nitric oxide synthase and cyclooxygenase-2. *Journal of Food Biochemistry*. 2016. 1-8. Times Cited: 0
33. Liou WS, Lin C, Lee PS, Kalyanam N, Ho CT, **Pan MH***. Calebin-A induces cell cycle arrest in human colon cancer cells and xenografts in nude mice. *Journal of Functional Foods*. 2016. 26:781-791. (SCI IF= 3.460. rank: 20/125=16.0% in Food Science & Technology, JCR 2016) Times Cited: **1**
34. Chiou YS, John JA, Ho CT, **Pan MH***, Shahidi FS. Evaluation of chemopreventive effects in colitis-associated colon tumorigenesis and oral toxicity of the lipophilic epigallocatechin gallate-docosahexaenoic acid. *Journal of Functional Foods*. 2016. 24:48-56. (SCI IF= 3.460. rank: 20/125=16.0% in Food Science & Technology, JCR 2016) Times Cited: 0
35. Wu JC, Lai CS, Lee PS, Ho CT, Liou WS, Wang YJ, **Pan MH***. Anti-cancer efficacy of dietary polyphenols is mediated through epigenetic modifications. *Current Opinion in Food Science*. 2016. 8:1-7. Times Cited: **8**
36. Hunga WL, Hwang LS, Shahidi F, **Pan MH**, Wang Y, Ho CT. Endogenous formation of trans fatty acids: Health implications and potential dietary intervention. *Journal of Functional Foods*. 2016. 25:14-24. (SCI IF= 3.460. rank: 20/125=16.0% in Food Science & Technology, JCR 2016) Times Cited: **9**
37. Wang Y, Lee PS, Chen YF, Ho CT and **Pan MH***. Suppression of Adipogenesis by 5-Hydroxy-3,6,7,8,3',4'-Hexamethoxyflavone from Orange Peel in 3T3-L1 Cells. *Journal of Medicinal Food*. 2016. 19(9): 830-835. (SCI IF= 2.060. rank: 46/125=36.80% in Food Science & Technology, JCR 2016) Times Cited: **1**
38. Tsai JH, Hsu LS, Huang HC, Lin CL, **Pan MH**, Hong HM and Chen WJ. 1-(2-Hydroxy-5-methylphenyl)-3-phenyl-1,3-propanedione induces G1 cell cycle arrest and autophagy in hela cervical cancer cells. *International Journal of Molecular Sciences*. 2016. 17(8):1274. (SCI IF= 3.482. rank: 50/163=30.67% in Chemistry, Multidisciplinary, JCR 2016) Times Cited: **8**
39. Chena LC, Chen MY, Tu SH, **Pan MH**, Lo CY, Ho CT, Wu CH, Ho YS. Pu-erh tea attenuates smoking-induced foam cell formation through inhibition of the α 9-nicotinic-acetylcholine receptor expression in monocytes: An ex vivo study. *Journal of Functional Foods*. 2016. 22:132-144. (SCI IF= 3.460. rank: 20/125=16.0% in Food Science & Technology, JCR 2016) Times Cited: **1**
40. Lai CS, Chen YY, Lee PS, Kalyanam N, Ho CT, Liou WS, Yu RC, **Pan MH***. Bisdemethoxycurcumin Inhibits Adipogenesis in 3T3-L1 Preadipocytes and Suppresses Obesity

- in High-Fat Diet-Fed C57BL/6 Mice. *Journal of Agricultural and Food Chemistry*. 2016. 64 (4):821-830. (SCI IF= 3.504. rank: 2/56=3.57% in Agriculture, Multidisciplinary, JCR 2016) Times Cited: **7**
41. Zhen J, Villani TS, Guo Y, Qi Y, Chin K, **Pan MH**, Ho CT, Simon JE, Wu Q. Phytochemistry, antioxidant capacity, total phenolic content and anti-inflammatory activity of *Hibiscus sabdariffa* leaves. *Food Chemistry*. 2016. 190:673-680. (SCI IF= 4.498. rank: 7/125=5.6% in Food Science & Technology, JCR 2016) Times Cited: **29**
 42. Chiou YS, Huang Q, Ho CT, Wang YJ, **Pan MH***. Directly interact with Keap1 and LPS is involved in the anti-inflammatory mechanisms of (-)-epicatechin-3-gallate in LPS-induced macrophages and endotoxemia. *Free Radical Biology and Medicine*. 2016. 94:1-16. (SCI IF= 5.886. rank: 17/138=12.32% in Endocrinology & Metabolism, JCR 2016) Times Cited: **5**
 43. Chen W, Jia Z, **Pan MH**, Babu PVA. Natural Products for the Prevention of Oxidative Stress-Related Diseases: Mechanisms and Strategies. *Oxidative Medicine and Cellular Longevity*. 2016. (SCI IF= 4.879. rank: 53/189=28.04% in Cell Biology, JCR 2016) Times Cited: **2**
 44. Tu SH, Chen MY, Chen LC, Mao YT, Ho CH, Lee WJ, Lin YK, **Pan MH**, Lo CY, Chen CL. Pu-erh Tea Extract Attenuates Nicotine-Induced Foam Cell Formation in Primary Cultured Monocytes: An in Vitro Mechanistic Study. *Journal of Agricultural and Food Chemistry*. 2016. 64 (16):3186-3195. (SCI IF= 3.504. rank: 2/56=3.57% in Agriculture, Multidisciplinary, JCR 2016) Times Cited: **2**
 45. Tung YC, Li S, Huang Q, Hung WL, Ho CT, Wei GJ, **Pan MH***. 5-Demethylnobiletin and 5-Acetoxy-6, 7, 8, 3', 4'-pentamethoxyflavone Suppress Lipid Accumulation by Activating the LKB1-AMPK Pathway in 3T3-L1 Preadipocytes and High Fat Diet-Fed C57BL/6 Mice. *Journal of Agricultural and Food Chemistry*. 2016. 64 (16):3196-3205. (SCI IF= 3.504. rank: 2/56=3.57% in Agriculture, Multidisciplinary, JCR 2016) Times Cited: **3**
 46. **Pan MH**, Maresz K, Lee PS, Wu JC, Ho CT, Popko J, Mehta DS, Stohs SJ, Badmaev V. Inhibition of TNF- α , IL-1 α , and IL-1 β by Pretreatment of Human Monocyte-Derived Macrophages with Menaquinone-7 and Cell Activation with TLR Agonists *In Vitro*. *Journal of Medicinal Food*. 2016. 19(7):663-669. (SCI IF= 2.060. rank: 46/125=36.80% in Food Science & Technology, JCR 2016) Times Cited: **6**
- 2015**
47. Lai CS, Liao SN, Tsai ML, Kalyanam N, Majeed M, Majeed A, Ho CT, **Pan MH.*** Calebin-A inhibits adipogenesis and hepatic steatosis in high-fat diet-induced obesity via activation of AMPK signaling. *Molecular Nutrition and Food Research*. 2015. 59(10):1883-1895. (SCI IF= 4.518. rank: 6/130=4.6% in Food Science & Technology, JCR 2016) Times Cited: **10**
 48. Wang Y, Tsai ML, Chiou LY, Ho CT, **Pan MH***. Antitumor Activity of Garcinol in Human Prostate Cancer Cells and Xenograft Mice. *Journal of Agricultural and Food Chemistry*. 2015. 63(41):9047-9052. (SCI IF= 3.504. rank: 2/56=3.57% in Agriculture, Multidisciplinary, JCR

- 2016) Times Cited: 8
49. Hung WL, Liu CM, Lai CS, Ho CT, **Pan MH***. Inhibitory effect of garcinol against 12-O-tetradecanoylphorbol 13-acetate-induced skin inflammation and tumorigenesis in mice. *Journal of Functional Foods*. 2015. 18:432-444. (SCI IF= 3.460. rank: 20/125=16.0% in Food Science & Technology, JCR 2016) Times Cited: 3
 50. Weerawatanakorn M, Wu JC, **Pan MH**, Ho CT. Reactivity and stability of selected flavor compounds. *Journal of Food and Drug Analysis*. 2015. 23(2):176-190. (SCI IF= 1.685. rank: 59/125=47.20% in Food Science & Technology, JCR 2016) Times Cited: 13
 51. Yuwen Ting, Chiou YS, Jiang Y, **Pan MH**, Lin Z, Huang Q. Safety evaluation of tangeretin and the effect of using emulsion-based delivery system: Oral acute and 28-day sub-acute toxicity study using mice. *Food Research International*. 2015. 74:140-150. (SCI IF= 3.856. rank: 11/125=8.8% in Food Science & Technology, JCR 2016) Times Cited: 2
 52. Tung YC, Tsai ML, Kuo FL, Lai CS, Badmaev V, Ho CT, **Pan MH***. Se-Methyl-L-selenocysteine Induces Apoptosis via Endoplasmic Reticulum Stress and the Death Receptor Pathway in Human Colon Adenocarcinoma COLO 205 Cells. *Journal of Agricultural and Food Chemistry*. 2015. 63(20):5008-5016. (SCI IF= 3.504. rank: 2/56=3.57% in Agriculture, Multidisciplinary, JCR 2016) Times Cited: 4
 53. Weerawatanakorn M, Lee YL, Tsai CY, Lai CS, Wan X, Ho CT, Li S, **Pan MH***. Protective effect of theaflavin-enriched black tea extracts against dimethylnitrosamine-induced liver fibrosis in rats. *Food & Function*. 2015. 6: 1832-1840. (SCI IF= 3.459. rank: 21/125=16.8% in Food Science & Technology, JCR 2016) Times Cited: 9
 54. Bai N, He K, Roller M, Lai CS, Bai L, **Pan MH***. Flavonolignans and other constituents from *Lepidium meyenii* with activities in anti-inflammation and human cancer cell lines. *Journal of Agricultural and Food Chemistry*. 2015. 63(9):2458-2463. (SCI IF= 3.504. rank: 2/56=3.57% in Agriculture, Multidisciplinary, JCR 2016) Times Cited: 27
 55. Hsu PC, Kuo YT, Leon Guo Y, Chen JR, Tsai SS, Chao HR, Teng YN, **Pan MH***. The adverse effects of low-dose exposure to Di(2-ethylhexyl) phthalate during adolescence on sperm function in adult rats. *Environmental Toxicology*. 2014. 31(6):706-712. (SCI IF= 2.738. rank: 14/87=16.09% in Water Resources, JCR 2016) Times Cited: 10
 56. **Pan MH***, Chiou YS, Chen LH, Ho CT. Breast cancer chemoprevention by dietary natural phenolic compounds: specific epigenetic related molecular targets. *Molecular Nutrition and Food Research*. 2015. 59(1):21-35. (SCI IF= 4.518. rank: 6/130=4.6% in Food Science & Technology, JCR 2016) Times Cited: 10
 57. Huang CY, Hsieh NT, **Pan MH**, Li CI, Chou YH, Chiou YS, Lee MF. Resveratrol and pterostilbene regulate MED28 (magicin/EG1) expression and cell growth in MCF7 human breast cancer cells. *Journal of Functional Foods*. 2015. 12:158-167. (SCI IF= 3.460. rank: 20/125=16.0% in Food Science & Technology, JCR 2016) Times Cited: 3
 58. Ting Y, Chiou YS, **Pan MH**, Ho CT, Huang Q. *In vitro* and *in vivo* anti-cancer activity of

- tangeretin against colorectal cancer was enhanced by emulsion-based delivery system. *Journal of Functional Foods*. 2015. 15:267-273. (SCI IF= 3.460. rank: 20/125=16.0% in Food Science & Technology, JCR 2016) Times Cited: **9**
59. Badmaev V, Hatakeyama Y, Yamazaki N, Noro A, Mohamed F, Ho CT, **Pan MH***. Preclinical and clinical effects of *Coleus forskohlii*, *Salacia reticulata* and *Sesamum indicum* modifying pancreatic lipase inhibition in vitro and reducing total body fat. *Journal of Functional Foods*. 2015. 15:44-51. (SCI IF= 3.460. rank: 20/125=16.0% in Food Science & Technology, JCR 2016) Times Cited: **7**
60. Ravishankar B, Dound YA, Mehta DS, Ashok BK, Souza A, **Pan MH***, Ho CT, Badmaev V, Vaidya ADB. Safety assessment of menaquinone-7 for use in human nutrition. *Journal of Food and Drug Analysis*. 2015. 23:99-108. (SCI IF= 1.685. rank: 59/125=47.20% in Food Science & Technology, JCR 2016) Times Cited: **1**
61. Lai CS, Wu JC, **Pan MH***. Molecular mechanism on functional food bioactives for anti-obesity. *Current Opinion in Food Science*. 2015. 2:9-13. Times Cited: **8**
62. Lee MF, Lai CS, Cheng AC, Hou JS, Badmaev V, Ho CT, **Pan MH***. Krill oil and xanthigen separately inhibit high fat diet induced obesity and hepatic triacylglycerol accumulation in mice. *Journal of Functional Foods*. 2015. 19:913-921. (SCI IF= 3.460. rank: 20/125=16.0% in Food Science & Technology, JCR 2016) Times Cited: **3**
63. Janporn S, Ho CT, Chavasit V, **Pan MH**, Chittrakorna S, Ruttarattanamongkola K, Weerawatanakorn M. Physicochemical properties of Terminalia catappa seed oil as a novel dietary lipid source. *Journal of Food and Drug Analysis*, 2015. 23(2):201-209. (SCI IF= 1.685. rank: 59/125=47.20% in Food Science & Technology, JCR 2016) Times Cited: **3**
- 2014**
64. Cheng TC, Lai CS, Chung MC, Kalyanam N, Majeed M, Ho CT, Ho YS, **Pan MH***. Potent Anti-Cancer Effect of 3'-Hydroxypterostilbene in Human Colon Xenograft Tumors. *PLoS One*. 2014. 9(11):1-8. (SCI IF= 3.394. rank: 14/64=21.88% in Multidisciplinary Sciences, JCR 2016) Times Cited: **11**
65. Hung WL, Tsai ML, Sun PP, Tsai CY, Yang CC, Ho CT, Cheng AC, **Pan MH***. Protective effects of garcinol on dimethylnitrosamine-induced liver fibrosis in rats. *Food & Function*. 2014. 5:2883-2891. (SCI IF= 3.459. rank: 21/125=16.8% in Food Science & Technology, JCR 2016) Times Cited: **3**
66. Ma N, Lai CS, Chung CH, Yang JM, Hsu KC, Chen CY, Chung TS, Li S, Ho CT, **Pan MH***. 5-Demethyltangeretin is more potent than tangeretin in inhibiting dimethylbenz(a)anthracene (DMBA)/12-O-tetradecanoylphorbol-13-acetate (TPA)-induced skin tumorigenesis. *Journal of Functional Foods*. 2014. 11:528-537. (SCI IF= 3.460. rank: 20/125=16.0% in Food Science & Technology, JCR 2016) Times Cited: **4**
67. Tsai ML, Chiou YS, Chiou LY, Ho CT, **Pan MH***. Garcinol suppresses inflammation -associated colon carcinogenesis in mice. *Molecular Nutrition and Food Research*. 2014. 58(9):1820-1829.

- (SCI IF= 4.518. rank: 6/130=4.6% in Food Science & Technology, JCR 2016) Times Cited: 12
68. Chiou YS., Wu JC, Huang Q, Shahidi F, Wang YJ, Ho CT, **Pan MH***. Metabolic and colonic microbiota transformation may enhance the bioactivities of dietary polyphenols. *Journal of Functional Foods*. 2014 7:3-25. (SCI IF= 3.460. rank: 20/125=16.0% in Food Science & Technology, JCR 2016) Times Cited: 31
 69. Weerawatanakorn M, Hsieh SC, Tsai ML, Lai CS, Wu LM, Badmaev V, Ho CT, **Pan MH***. Inhibitory effect of tetrahydrocurcumin on dimethylnitrosamine-induced liver fibrosis in rats. *Journal of Functional Foods*. 2014. 7:305-313. (SCI IF= 3.460. rank: 20/125=16.0% in Food Science & Technology, JCR 2016) Times Cited: 1
 70. Weerawatanakorn M, Yang JR, Tsai ML, Lai CS, Ho CT, **Pan MH***. Inhibitory effects of *Momordica grosvenori* Swingle extracts on 12-O-tetradecanoylphorbol-13-acetate-induced skin inflammation and tumor promotion in mouse skin. *Food & Function*. 2014. 5(2):257-264. (SCI IF= 3.459. rank: 21/125=16.8% in Food Science & Technology, JCR 2016) Times Cited: 3
 71. **Pan MH***, Lai CS, Tsai ML, Ho CT. Chemoprevention of nonalcoholic fatty liver disease by dietary natural compounds. *Molecular Nutrition and Food Research*. 2014. 58(1):147-171. (SCI IF= 4.518. rank: 6/130=4.6% in Food Science & Technology, JCR 2016) Times Cited: 36
 72. Wu JC, Tsai ML, Lai CS, Wang YJ, Ho CT, **Pan MH***. Chemopreventative effects of tetrahydrocurcumin on human diseases. *Food & Function*. 2014. 5(1):12-17. (SCI IF= 3.459. rank: 21/125=16.8% in Food Science & Technology, JCR 2016) Times Cited: 15
 73. Chu HF, **Pan MH**, Ho CT, Tseng YH, Wang WW, Chau CF. Variations in the Efficacy of Resistant Maltodextrin on Body Fat Reduction in Rats Fed Different High-Fat Models. *Journal of Agricultural and Food Chemistry*, 2014. 62(1),192-197. (SCI IF= 3.504. rank: 2/56=3.57% in Agriculture, Multidisciplinary, JCR 2016) Times Cited: 4

2013

74. Wang CH, Lin JH, Lu TJ, Chiang AN, Chiou ST, Chen YA, **Pan MH**, Hsieh SC. Establishment of reporter platforms capable of detecting NFkappaB mediated immuno-modulatory activity. *Journal of Agricultural and Food Chemistry*. 2013. 1(51):12582-12587.
75. Hsu CH, Ho YS, Lai CS, Hsieh SC, Chen LH, Lin E, Ho CT, **Pan MH***. Hexahydro-b-acids potently inhibit 12-O-tetradecanoylphorbol 13-acetate-induced skin inflammation and tumor promotion in mice. *Journal of Agricultural and Food Chemistry*. 2013. 61(47):11541-11549.
76. Tsai JH, Hsu LS, Lin CL, Hong HM, **Pan MH**, Way TD, Chen WJ. 3,5,4'-Trimethoxystilbene, a natural methoxylated analog of resveratrol, inhibits breast cancer cell invasiveness by downregulation of PI3K/Akt and Wnt/b-catenin signaling cascades and reversal of epithelial-mesenchymal transition. *Toxicology and Applied Pharmacology*. 2013. 272(3):746-756.
77. Coppin J, Xu Y, Chen H, **Pan MH**, Ho CT, Juliani R, Simon JE, Wu Q. Determination of flavonoids by LC/MS and anti-inflammatory activity in *Moringa oleifera*. *Journal of Functional Foods*. 2013. 5(4):1892-1899.

78. Lai CS, Ho MH, Tsai ML, Li S, Badmaev V, Ho CT, **Pan MH***. Suppression of adipogenesis and obesity in high-fat induced mouse model by hydroxylated polymethoxyflavones. *Journal of Agricultural and Food Chemistry*. 2013. 61(43):10320-10328.
79. Ting Y, Li CC, **Pan MH**, Ho CT, Huang Q. Effect of a labile methyl donor on the transformation of 5-demethyltangeretin and the related implication on bioactivity. *Journal of Agricultural and Food Chemistry*. 2013. 61(34):8090-8097.
80. Tseng LH, Hsu PC, Lee CW, Tsai SS, **Pan MH**, Li MH. Developmental exposure to decabrominated diphenyl ether (BDE-209): effects on sperm oxidative stress and chromatin DNA damage in mouse offspring. *Environmental Toxicology*. 2013. 28(7):380-389.
81. Chiou YS, Sang S, Cheng KH, Ho CT, Wang YJ, **Pan MH***. Peracetylated (-)-epigallocatechin-3-gallate (AcEGCG) potently prevents skin carcinogenesis by suppressing the PKD1- dependent signaling pathway in CD34+ skin stem cells and skin tumors . *Carcinogenesis*. 2013. 34(6):1315-1322.
82. Lai CS, Li S, Miyauchi Y, Suzawa M, Ho CT, **Pan MH***. Potent anticancer effects of citrus peel flavonoids in human prostate xenograft tumors. *Food & Function*. 2013. 4(6):944-9.
83. Lee MF, Liu ML, Cheng AC, Tsai ML, Ho CT, Liou WS, **Pan MH***. Pterostilbene inhibits dimethylnitrosamine-induced liver fibrosis in rats . *Food Chemistry*. 2013. 138(2-3):802-807.
84. Huang CS, Ho CT, Tu SH, **Pan MH**, Chuang CH, Chang HW, Chang CH, Wu CH, Ho YS. Long-term ethanol exposure-induced hepatocellular carcinoma cell migration and invasion through lysyl oxidase activation are attenuated by combined treatment with pterostilbene and curcumin analogues. *Journal of Agricultural and Food Chemistry*. 2013. 61(18):4326-4335.
85. Lai CS, Li S, Liu CB, Miyauchi Y, Suzawa M, Ho CT, **Pan MH***. Effective suppression of azoxymethane-induced aberrant crypt foci formation in mice with citrus peel flavonoids. *Molecular Nutrition and Food Research*. 2013. 57(3):551-555.
86. **Pan MH***, Lai CS, Wang H, Lo CY, Ho CT, Li S. Black tea in chemoprevention of cancer and other human diseases. *Food Science and Human Wellness*. 2013. 2(1):12-21.
87. Lee MF, Tsai ML, Sun PP, Chien LL, Cheng AC, Ma NJ, Ho CT, **Pan MH***. Phyto-power dietary supplement potently inhibits dimethylnitrosamine induced liver fibrosis in rats. *Food & Function*. 2013. 4(3):470-475.
88. Li S, Lo CY, **Pan MH**, Lai CS, Ho CT. Black tea: chemical analysis and stability. *Food & Function*. 2013. 4(1):10-18.
89. **Pan MH***, Lai CS, Wu JC, Ho CT. Epigenetic and disease targets by polyphenols. *Current Pharmaceutical Design*. 2013. 19(34):6156-6185.

2012

90. **Pan MH***, Li S, Lai CS, Miyauchi Y, Suzawa M, Ho CT. Inhibitory effect of citrus flavonoids on 12-O-tetradecanoylphorbol 13-acetate-induced skin inflammation and tumor promotion in mice. *Food Science and Human Wellness*. 2012. 1(1):65-73.
91. Chen RJ, Tsai SJ, Ho CT, **Pan MH**, Ho YS, Wu CH, Wang YJ. Chemopreventive effects of pterostilbene on

- urethane-induced lung carcinogenesis in mice via the inhibition of EGFR-mediated pathways and the induction of apoptosis and autophagy. *Journal of Agricultural and Food Chemistry*. 2012. 60(46):11533-11541.
92. Tsai ML, Lai CS, Chang YH, Chen WJ, Ho CT, **Pan MH***. Pterostilbene, a natural analogue of resveratrol, potently inhibits 7,12-dimethylbenz[a]anthracene (DMBA)/ 12-O-tetradecanoylphorbol -13-acetate (TPA)-induced mouse skin carcinogenesis. *Food & Function*. 2012. 3(11):1185-1194.
 93. Chang LH, Huang HS, Wu PT, Jou IM, **Pan MH**, Chang WC, Wang DD, Wang JM. Role of Macrophage CCAAT/Enhancer Binding Protein Delta in the Pathogenesis of Rheumatoid Arthritis in Collagen-Induced Arthritic Mice. *PLoS One*. 2012. 7(9):1-14.
 94. Zhong Y, Chiou YS, **Pan MH**, Shahidi F. Anti- inflammatory activity of lipophilic epigallocatechin gallate (EGCG) derivatives in LPS-stimulated murine macrophages. *Food Chemistry*. 2012. 134(2):742-748.
 95. Kuo YC, Lai CS, Tsai CY, Nagabhushanam K, Ho CT, **Pan MH***. Inotilone suppresses phorbol ester-induced inflammation and tumor promotion in mouse skin. *Molecular Nutrition and Food Research*. 2012. 56(8):1324-1332.
 96. Lin VC, Tsai YC, Lin JN, Fan LL, **Pan MH**, Ho CT, Wu JY, Way TD. Activation of AMPK by pterostilbene suppresses lipogenesis and cell cycle progression in p53 positive and negative human prostate cancer cells. *Journal of Agricultural and Food Chemistry*. 2012. 60(25):6399-6407.
 97. Chiou YS, Ma NJ, Sang S, Ho CT, Wang YJ, **Pan MH***. Peracetylated (-)-epigallocatechin-3-gallate (AcEGCG) potently suppresses dextran sulfate sodium-induced colitis and colon tumorigenesis in mice. *Journal of Agricultural and Food Chemistry*. 2012. 60(13):3441-3451.
 98. Lai CS, Tsai ML, Badmaev V, Jimenez M, Ho CT, **Pan MH***. Xanthigen suppresses preadipocyte differentiation and adipogenesis through down-regulation of PPAR α and C/EBPs, and modulation of SIRT-1, AMPK and FOXO pathways. *Journal of Agricultural and Food Chemistry*. 2012. 60(4):1094-1101.
 99. Ou JL, Tu CC, Hsu PI, **Pan MH**, Lee CC, Tsay FW, Wang HM, Cheng LC, Lai KH, Yu HC. Prevalence and risk factors of erosive esophagitis in Taiwan. *Journal of the Chinese Medical Association*. 2012. 75(2):60-64.
 100. Hsieh WJ, Chiou ST, **Pan MH**, Hsieh SC. Establishment and Evaluation of Biotechnological Platform for Screening Health Food with Antiinflammation Ability. *Journal of Traditional and Complementary Medicine*. 2012. 2(1):76-80.
 101. **Pan MH***, Lai CS, Tsai ML, Wu JC, Ho CT. Molecular mechanisms for anti-aging by natural dietary compounds. *Molecular Nutrition and Food Research*. 2012. 56(1):88-115.
 102. Zhong Y, Chiou YS, **Pan MH**, Ho CT, Shahidi F. Protective effects of epigallocatechin gallate (EGCG) derivatives on azoxymethane-induced colonic carcinogenesis in mice. *Journal of Functional Foods*. 2012. 4(1):323-330.
 103. Ho, CT, **Pan MH**, Lai, CS, Li, S. Polymethoxyflavones as food factors for the management of inflammatory diseases. *Journal of Food and Drug Analysis*. 2012. 20:337-341.
 104. Kuo, JM, Yang, JI, Chen, WM, **MH Pan**, Tsai, ML, Lai YJ, Hwang, A, Pan BS, Lin CY. Purification and

characterization of a thermostable keratinase from *Meiothermus* sp. I40. *International Biodeterioration and Biodegradation*. 2012. 70:111-116.

2011

105. Lai, CS, Wu, JC, Yu, SF, Badmaev, V, Nagabhushanam, K, Ho, CT, **Pan MH***. Tetrahydrocurcumin is more effective than curcumin in preventing azoxymethane-induced colon carcinogenesis. *Molecular Nutrition and Food Research*. 2011. 55(12):1819-1828.
106. Lai CS, **Pan MH**. Mechanism for Possible Chemopreventive Effects of Natural Dietary Compounds on Smoking-induced Tumorigenesis. *Journal of Experimental & Clinical Medicine*. 2011. 3(6):262-271.
107. Wu, JC, Lai, CS, Badmaev, V, Nagabhushanam, K, Ho, CT, **Pan MH***. Tetrahydrocurcumin, a major metabolite of curcumin, induced autophagic cell death through coordinative modulation of PI3K/Akt-mTOR and MAPK signaling pathways in human leukemia HL-60 cells. *Molecular Nutrition and Food Research*. 2011. 55(11):1646-1654.
108. **Pan MH***, Chiou, YS, Tsai ML, Ho CT. Anti-inflammatory activity of traditional Chinese medicinal herbs. *Journal of Traditional and Complementary Medicine*. 2011. 1(1):8-24.
109. Qiu P, Guan H, Dong P, Guo S, Zheng J, Li S, Chen Y, Ho CT, **Pan MH**, McClements DJ, Xiao H. The inhibitory effects of 5-hydroxy- 3,6,7,8,3',4'-hexamethoxyflavone on human colon cancer cells. *Molecular Nutrition and Food Research*. 2011. 55(10):1523-1532.
110. Shen D, **Pan MH**, Wu QL, Park CH, Juliani HR, Ho CT, Simon JE. A Rapid LC/MS/MS Method for the Analysis of Nonvolatile Antiinflammatory Agents from *Mentha* spp. *Journal of Food Science*. 2011. 76(6):900-908.
111. Kuo DH, Tsai SW, **Pan MH***. Magnolol blocks homocysteine-induced endothelial dysfunction in porcine coronary arteries. *Food Chemistry*. 2011. 127:135- 140.
112. Lai CS, Lai YS, Kuo DH, Wu CH, Ho CT, **Pan MH***. Magnolol potently suppressed lipopolysaccharide-induced iNOS and COX-2 expression via downregulating MAPK and NF-κB signaling pathways. *Journal of Functional Foods*. 2011. 3(3):198-206.
113. Kong ZL, Yu SC, Dai SA, Tu CC, **Pan MH**, Liu YC. Polyoxygenated Sterols from Freshwater Clam. *Helvetica Chimica Acta*, 2011, 94(5):892-896.
114. **Pan MH***, Hong HM, Lin CL, Jhang AZ, Tsai JH, Badmaev V, Nagabhushanam K, Ho CT, Chen WJ. Se-methylselenocysteine inhibits lipopolysaccharide-induced NF-κB activation and iNOS induction in RAW 264.7 murine macrophages. *Molecular Nutrition and Food Research*. 2011. 55(5):723-32.
115. Tang W, Chen LH, Daun H, Ho CT, **Pan MH***. Inhibitory effects of hexahydro-bata-acids in LPS-stimulated murine macrophage. *Journal of Functional Foods*. 2011. 3:215-222.
116. Yen JH, Weng CY, Li S, Lo YH, **Pan MH**, Fu SH, Ho CT, Wu MJ. Citrus flavonoid, 5-demethylnobiletin, suppresses scavenger receptor expression in THP-1 cells and alters lipid homeostasis in HepG2 liver cells. *Molecular Nutrition and Food Research*. 2011. 55(5):733-748.
117. Liu CB, Chen LH, Cheng AC, Chen WJ, Tsai ML, Liu Y, Ho CT, **Pan MH***. Hexahydro-b-acids induce apoptosis through mitochondrial pathway, GADD153 expression, and caspase activation in human

- leukemia cells. *Food and Chemical Toxicology*. 2011. 49(4):1033-1042.
118. Qiu P, Guan H, Dong P, Li S, Ho CT, **Pan MH**, McClements DJ, Xiao H. The p53, Bax, and p21-dependent inhibition of colon cancer cell growth by 5-hydroxy polymethoxyflavones. *Molecular Nutrition and Food Research*. 2011. 55(4):613-622.
119. Bai N, He K, Roller M, Lai CS, Shao X, **Pan MH**, Bily A, Ho CT. Flavonoid glycosides from *Microtea debilis* and their cytotoxic and anti-inflammatory effects. *Fitoterapia*. 2011. 82(2):168-172.
120. Tu SH, Ku CY, Ho CT, Chen CS, Huang CS, Lee CH, Chen LC, **Pan MH**, Chang HW, Chang CH, Chang YJ, Wei PL, Wu CH, Ho YS. Tea polyphenol (-)-epigallocatechin-3-gallate inhibits nicotine- and estrogen-induced α 9-nicotinic acetylcholine receptor upregulation in human breast cancer cells. *Molecular Nutrition and Food Research*. 2011. 55(3):455-466.
121. Cheng AC, Lee MF, Tsai ML, Lai CS, Lee JH, Ho CT, **Pan MH***. Rosmanol potently induces apoptosis through both the mitochondrial apoptotic pathway and death receptor pathway in human colon adenocarcinoma COLO 205 cells. *Food and Chemical Toxicology*. 2011. 49(2):485-493.
122. Chiou YS, Tsai ML, Nagabhushanam K, Wang YJ, Wu CH, Ho CT, **Pan MH***. Pterostilbene is more potent than resveratrol in preventing azoxymethane (AOM)-induced colon tumorigenesis via activation of the NF-E2-related factor 2 (Nrf2)-mediated antioxidant signaling pathway. *Journal of Agricultural and Food Chemistry*. 2011. 59(6):2725-2733.
123. Lai CS, Tsai ML, Cheng AC, Li S, Lo CY, Wang Y, Xiao H, Ho CT, Wang YJ, **Pan MH***. Chemoprevention of colonic tumorigenesis by dietary hydroxylated polymethoxyflavones in azoxymethane-treated mice. *Molecular Nutrition and Food Research*. 2011. 55(2):278-290.
124. **Pan MH***, Chiou YS, Wang YJ, Ho CT, Lin JK. Multistage carcinogenesis process as molecular targets in cancer chemoprevention by epicatechin-3-gallate. *Food & Function*. 2011. 2(2):101-110.
125. **Pan MH***, Lin YT, Lin CL, Wei CS, Ho CT, Chen WJ. Suppression of Heregulin- β 1/HER2-Modulated Invasive and Aggressive Phenotype of Breast Carcinoma by Pterostilbene via Inhibition of Matrix Metalloproteinase-9, p38 Kinase Cascade and Akt Activation. *Evidence-Based Complementary and Alternative Medicine*. 2011. 2011:1-12.
126. Chen CS, Lee CH, Hsieh CD, Ho CT, **Pan MH**, Huang CS, Tu SH, Wang YJ, Chen LC, Chang YJ, Wei PL, Yang YY, Wu CH, Ho YS. Nicotine-induced human breast cancer cell proliferation attenuated by garcinol through down-regulation of the nicotinic receptor and cyclin D3 proteins. *Breast Cancer Research and Treatment*. 2011. 125(1):73-87.
127. **Pan MH***, Lai CS, Wu JC, Ho CT. Molecular mechanisms for chemoprevention of colorectal cancer by natural dietary compounds. *Molecular Nutrition and Food Research*. 2011. 55(1):32-45.
128. Lee MF, **Pan MH**, Chiou YS, Cheng AC, Huang H. Resveratrol modulates MED28 (magicin/EG-1) expression and inhibits epidermal growth factor (EGF)-induced migration in MDA-MB-231 human breast cancer cells. *Journal of Agricultural and Food Chemistry*. 2011. 59(21):11853-11861.

2010

129. Cheng AC, Tsai ML, Liu CM, Lee MF, Nagabhushanam K, Ho CT, **Pan MH***. Garcinol inhibits cell

- growth in hepatocellular carcinoma Hep3B cells through induction of ROS-dependent apoptosis. *Food & Function*. 2010. 1(3):301-307.
130. Kuo DH, Kang WH, Shieh PC, Chen FA, Chang CD, Tsai ML, Ho CT, **Pan MH***. Protective effect of Pracparatum mungo extract on carbon tetrachloride-induced hepatotoxicity in rats. *Food Chemistry*. 2010. 123(4): 1007-1012.
131. **Pan MH**, Tsai ML, Chen WM, Hwang A, Sun Pan B, Hwang YR, Kuo JM. Purification and Characterization of a Fish Scale-Degrading Enzyme from a Newly Identified *Vogesella* sp. *Journal of Agricultural and Food Chemistry*. 2010. 58(23):12541–12546.
132. Pan YC, Li CF, Ko CY, **Pan MH**, Chen PJ, Tseng JT, Wu WC, Chang WC, Huang AM, Sterneck E, Wang JM (2010, Dec). CEBPD reverses RB/E2F1- mediated gene repression and participates in HMDB-induced apoptosis of cancer cells. *Clinical Cancer Research*. 2010. 16(23):5770-5780.
133. Bai N, He K, Zhou Z, Lai CS, Zhang L, Quan Z, Shao X, **Pan MH**, Ho CT. Flavonoids from *Rabdosia rubescens* exert anti-inflammatory and growth inhibitory effect against human leukemia HL-60 cells. *Food Chemistry*. 2010. 122(3):831-835.
134. **Pan MH***, Lai CS, Ho CT. Anti-inflammatory activity of natural dietary flavonoids. *Food & Function*. 2011. 1(1):15-31.
135. Wang BJ, Sheu HM, Guo YL, Lee YH, Lai CS, **Pan MH**, Wang YJ. Hexavalent chromium-induced ROS formation, Akt, NF- κ B, and MAPK activation, and TNF- α and IL-1 α production in keratinocytes. *Toxicology Letters*. 2011. 198(2):216-224.
136. Wu H, Hsieh MC, Lo CY, Liu CB, Sang S, Ho CT, **Pan MH***. 6-shogaol is more effective than 6-gingerol and curcumin in inhibiting 12-Otetradecanoylphorbol-13-acetate-induced tumor promotion in mice. *Molecular Nutrition and Food Research*. 2011. 54(9):1296-1306.
137. Chiou YS, Tsai ML, Wang YJ, Cheng AC, Lai WM, Badmaev V, Ho CT, **Pan MH***. Pterostilbene inhibits colorectal aberrant crypt foci (ACF) and colon carcinogenesis via suppression of multiple signal transduction pathways in azoxymethane-treated mice. *Journal of Agricultural and Food Chemistry*. 2011. 58(15):8833-8841.
138. Huang CY, Chen JY, Wu JE, Pu YS, Liu GY, **Pan MH**, Huang YT, Huang AM, Hwang CC, Chung SJ, Hour TC. Ling-Zhi Polysaccharides Potentiate Cytotoxic Effects of Anticancer Drugs against Drug-Resistant Urothelial Carcinoma Cells. *Journal of Agricultural and Food Chemistry*. 2010. 58(15):8798-8805.
139. Wang BJ, Guo YL, Chang HY, Sheu HM, **Pan MH**, Lee YH, Wang YJ. N-acetylcysteine inhibits chromium hypersensitivity in adjuvant chromium-sensitized albino guinea pigs by suppressing the effects of reactive oxygen species. *Experimental Dermatology*. 2010. 19(8):191-200.
140. Qiu P, Dong P, Guan H, Li S, Ho CT, **Pan MH**, McClements DJ, Xiao H. Inhibitory effects of 5-hydroxy polymethoxyflavones on colon cancer cells. *Molecular Nutrition and Food Research*. 2010. 54:1-9.
141. Shen D, **Pan MH**, Wu QL, Park CH, Juliani HR, Ho CT, Simon JE. LC-MS Method for the Simultaneous Quantitation of the Anti-inflammatory Constituents in Oregano (*Origanum* Species). *Journal of Agricultural and Food Chemistry*. 2010. 58(12):7119-7125.

142. Bai N, He K, Roller M, Lai CS, Shao X, **Pan MH**, Ho CT. Flavonoids and phenolic compounds from *Rosmarinus officinalis*. *Journal of Agricultural and Food Chemistry*. 2011. 58(9):5363-5367.
143. Kuo DH, Lai YS, Lo CY, Cheng AC, Wu H, **Pan MH***. Inhibitory effect of magnolol on TPA-induced skin inflammation and tumor promotion in mice. *Journal of Agricultural and Food Chemistry*. 2010. 58(9):5777-5783.
144. Shieh PC, Chen YO, Kuo DH, Chen FA, Tsai ML, Chang IS, Wu H, Sang S, Ho CT, **Pan MH***. Induction of apoptosis by [8]-shogaol via reactive oxygen species generation, glutathione depletion, and caspase activation in human leukemia cells. *Journal of Agricultural and Food Chemistry*. 2010. 58(6):3847-3854.
145. Bai N, He K, Zhou Z, Tsai ML, Zhang L, Quan Z, Shao X, **Pan MH**, Ho CT. Ent-kaurane diterpenoids from *Rabdosia rubescens* and their cytotoxic effects on human cancer cell lines. *Planta Medica*. 2010. 76(2):140-145.
146. Lo YH, **Pan MH**, Li S, Yen JH, Kou MC, Ho CT, Wu MJ. Nobiletin metabolite, 3',4'-dihydroxy-5,6,7,8-tetramethoxyflavone, inhibits LDL oxidation and down-regulates scavenger receptor expression and activity in THP-1 cells. *Biochimica et Biophysica Acta*. 2010. 1801(2):114-126.
147. **Pan MH***, Lin CL, Tsai JH, Ho CT, Chen WJ. 3,5,3',4',5'-Pentamethoxystilbene (MR-5), a Synthetically Methoxylated Analogue of Resveratrol, Inhibits Growth and Induces G1 Cell Cycle Arrest of Human Breast Carcinoma MCF-7 Cells. *Journal of Agricultural and Food Chemistry*. 2010. 58(1):226-234.
148. Shih YL, Liu HC, Chen CS, Hsu CH, **Pan MH**, Chang HW, Chang CH, Chen FC, Ho CT, Yang YY, Ho YS. Combination treatment with luteolin and quercetin enhances antiproliferative effects in nicotine-treated MDA-MB-231 cells by down-regulating. *Journal of Agricultural and Food Chemistry*. 2010. 58(1):235-241.

2009

149. Kuo YC, Lai CS, Wang JM, Badmaev V, Nagabhushanam K, Ho CT, **Pan MH***. Differential inhibitory effects of inotilone on inflammatory mediators, inducible nitric oxide synthase and cyclooxygenase-2, in LPS-stimulated murine macrophage. *Molecular Nutrition and Food Research*. 2009. 53(11):1386-1395.
150. Lai CS, Lee JH, Ho CT, Liu CB, Wang JM, Wang YJ, **Pan MH***. Rosmanol potently inhibits lipopolysaccharide-induced iNOS and COX-2 expression through downregulating MAPK, NF-kappaB, STAT3 and C/EBP signaling pathways. *Journal of Agricultural and Food Chemistry*. 2009. 57(22):10990-10998.
151. Sang S, Hong J, Wu H, Liu J, Yang CS, **Pan MH**, Badmaev V, Ho CT. Increased growth inhibitory effects on human cancer cells and anti-inflammatory potency of shogaols from *Zingiber officinale* relative to gingerols. *Journal of Agricultural and Food Chemistry*. 2009. 57(22):10645-10650.
152. Huang CH, Tsai SJ, Wang YJ, **Pan MH**, Kao JY, Way TD. EGCG inhibits protein synthesis, lipogenesis, and cell cycle progression through activation of AMPK in p53 positive and negative human hepatoma cells. *Molecular Nutrition and Food Research*. 2009. 53(9):1156-1165.
153. **Pan, MH.***; Chiou, YS.; Chen, WJ.; Wang, JM.; Badmaev, V, Ho, CT. Pterostilbene inhibited tumor invasion via suppressing multiple signal transduction pathways in human hepatocellular carcinoma cells.

Carcinogenesis. 2009. 30(7):1234-1242.

154. **Pan, MH***, Lai, CS.; Dushenkov, S, Ho, CT. Modulation of inflammatory genes by natural dietary bioactive compounds. *Journal of Agricultural and Food Chemistry*. 2009. 57 (11):4467-4477.
155. **Pan, MH***; Yang, JR.; Tsai, ML.; Sang, S, Ho, CT. Anti-inflammatory effect of Momordica grosvenori Swingle extract through suppressed lipopolysaccharide-induced up-expression of iNOS and COX-2 in murine macrophages. *Journal of Functional Foods*. 2009. 1(2):145-152.
156. Li S, **Pan, MH.**, Lo CY, Tan D, Wang Y, Shahidi F, Ho CT. Chemistry and health effects of polymethoxyflavones and hydroxylated polymethoxyflavones. *Journal of Functional Foods*. 2009. 1(1):2-12.

1997~2008

157. Li, S.; **Pan, M. H.**; Wang, Z.; Lambros, T.; Ho, C. T. Biological activity, metabolism and separation of polymethoxyflavones from citrus peels. *Tree and Forestry Science and Biotechnology*. 2008. 2:36-51.
158. **Pan, M. H.**; Ho, C. T. Chemopreventive effects of natural dietary compounds on cancer development. *Chemical Society Reviews*. 2008. 37(11):2558-2574.
159. Lai, C. S.; Li, S.; Chai, C. Y.; Lo, C. Y.; Dushenkov, S.; Ho, C. T.; **Pan, M. H.**; Wang, Y. J. Anti-inflammatory and antitumor promotional effects of a novel urinary metabolite, 3',4'-didemethylnobiletin, derived from nobiletin. *Carcinogenesis*. 2008. 29(12):2415-2424.
160. **Pan, M. H.**; Chang, Y. H.; Tsai, M. L.; Lai, C. S.; Ho, S. Y.; Badmaev, V.; Ho, C. T. Pterostilbene suppressed lipopolysaccharide-induced up-expression of iNOS and COX-2 in murine macrophages. *Journal of Agricultural and Food Chemistry*. 2008. 56(16):7502-7509.
161. Wang, Y. J.; Yang, M. C.; **Pan, M. H.** Dihydrolipoic acid inhibits tetrachlorohydroquinone -induced tumor promotion through prevention of oxidative damage. *Food and Chemical Toxicol*. 2008, 46(12):3739-3748.
162. **Pan, M. H.**; Hsieh, M. C.; Hsu, P. C.; Ho, S. Y.; Lai, C. S.; Wu, H.; Sang, S.; Ho, C. T. 6-Shogaol suppressed lipopolysaccharide-induced up-expression of iNOS and COX-2 in murine macrophages. *Molecular Nutrition & Food Research*. 2008. 52(12):1467-1477.
163. Chen, S. H.; Lin, J. K.; Liang, Y. C.; **Pan, M. H.**; Liu, S. H.; Lin-Shiau, S. Y. Involvement of activating transcription factors JNK, NF-kappaB, and AP-1 in apoptosis induced by pyrrolidine dithiocarbamate/Cu complex. *European Journal of Pharmacology*. 2008. 594(1-3):9-17.
164. Chen, W. J.; Huang, Y. T.; Wu, M. L.; Huang, T. C.; Ho, C. T.; **Pan, M. H.** Induction of apoptosis by vitamin D2, ergocalciferol, via reactive oxygen species generation, glutathione depletion, and caspase activation in human leukemia Cells. *Journal of Agricultural and Food Chemistry*. 2008. 56(9):2996-3005.
165. Lee, S. W.; **Pan, M. H.**; Chen, C. M.; Chen, Z. T. Withangulatin I, a new cytotoxic withanolide from *Physalis angulata*. *Chemical and Pharmaceutical Bulletin (Tokyo)*. 2008. 56(2):234-236.
166. **Pan, M. H.***; Ghai, G.; Ho, C. T. Food bioactives, apoptosis, and cancer. *Molecular Nutrition & Food Research*. 2008. 52(1):43-52.
167. **Pan, M. H.***; Hsieh, M. C.; Kuo, J. M.; Lai, C. S.; Wu, H.; Sang, S.; Ho, C. T. 6-Shogaol induces apoptosis

- in human colorectal carcinoma cells via ROS production, caspase activation, and GADD 153 expression. *Molecular Nutrition & Food Research*. 2008. 52(5):527-537.
168. Chih-Yu Lo; Shiming Li; Yu Wang, D. T.; **Min-Hsiung Pan**; Shengmin Sang; Chi-Tang Ho Reactive Dicarbonyl Compounds and 5-(Hydroxymethyl)-2-furfural in Carbonated Beverages Containing High Fructose Corn Syrup. *Food Chemistry*. 2008. 107:1099-1105.
169. **Pan, M. H.**; Chen, C. M.; Lee, S. W.; Chen, Z. T. Cytotoxic triterpenoids from the root bark of *Helicteres angustifolia*. *Chemistry Biodiversity*. 2008. 5(4):565-574.
170. Tseng, L. H.; Li, M. H.; Tsai, S. S.; Lee, C. W.; **Pan, M. H.**; Yao, W. J.; Hsu, P. C. Developmental exposure to decabromodiphenyl ether (PBDE 209): effects on thyroid hormone and hepatic enzyme activity in male mouse offspring. *Chemosphere*. 2008. 70(4):640-647.
171. **Pan, M. H.**; Gao, J. H.; Lai, C. S.; Wang, Y. J.; Chen, W. M.; Lo, C. Y.; Wang, M.; Dushenkov, S.; Ho, C. T. Antitumor activity of 3,5,4'-trimethoxystilbene in COLO 205 cells and xenografts in SCID mice. *Molecular Carcinogenesis*. 2008. 47(3):184-196.
172. Lai, C. S.; Li, S.; Chai, C. Y.; Lo, C. Y.; Ho, C. T.; Wang, Y. J.; **Pan, M. H.*** Inhibitory effect of citrus 5-hydroxy-3,6,7,8,3',4'-hexamethoxyflavone on 12-O-tetradecanoylphorbol 13-acetate-induced skin inflammation and tumor promotion in mice. *Carcinogenesis*. 2007. 28(12):2581-2588.
173. **Pan, M. H.**; Chang, Y. H.; Badmaev, V.; Nagabhusanam, K.; Ho, C. T. Pterostilbene induces apoptosis and cell cycle arrest in human gastric carcinoma cells. *Journal of Agricultural and Food Chemistry*. 2007. 55(19):7777-7785.
174. Li, S.; Sang, S.; **Pan, M. H.**; Lai, C. S.; Lo, C. Y.; Yang, C. S.; Ho, C. T. Anti-inflammatory property of the urinary metabolites of nobiletin in mouse. *Bioorganic Medicinal Chemistry Letters*. 2007. 17(18): 5177-5181.
175. Chen, C. R.; Cheng, C. W.; **Pan, M. H.**; Liao, Y. W.; Tzeng, C. Y.; Chang, C. I. Lanostane-type triterpenoids from *Diospyros discolor*. *Chemical and Pharmaceutical Bulletin (Tokyo)*. 2007. 55(6):908-911.
176. **Pan, M. H.**; Lin, C. C.; Lin, J. K.; Chen, W. J. Tea polyphenol (-)-epigallocatechin 3-gallate suppresses heregulin-beta1-induced fatty acid synthase expression in human breast cancer cells by inhibiting phosphatidylinositol 3-kinase/Akt and mitogen-activated protein kinase cascade signaling. *Journal of Agricultural and Food Chemistry*. 2007. 55(13):5030-5037.
177. Hsu, P. C.; **Pan, M. H.**; Li, L. A.; Chen, C. J.; Tsai, S. S.; Guo, Y. L. Exposure in utero to 2,2',3,3',4,6'-hexachlorobiphenyl (PCB 132) impairs sperm function and alters testicular apoptosis-related gene expression in rat offspring. *Toxicology and Applied Pharmacology*. 2007. 221(1):68-75.
178. **Pan, M. H.**; Huang, Y. T.; Chang, C. I. ; Ho, C. H. ; Pan, B. S. Apoptotic-inducing epidioxysterols identified in Hard Clam. *Food Chemistry*. 2007. 102:788-795.
179. **Pan, M. H.**; Chiou, Y. S.; Cheng, A. C.; Bai, N.; Lo, C. Y.; Tan, D.; Ho, C. T. Involvement of MAPK, Bcl-2 family, cytochrome c, and caspases in induction of apoptosis by 1,6-O,O-diacetylbritannilactone in human leukemia cells. *Molecular Nutrition & Food Research*. 2007. 51(2):229-238.
180. Huang, T. C.; Fu, H. Y.; Ho, C. T.; Huang, Y. H.; **Pan, M. H.** Induction of apoptosis by cinnamaldehyde

- from indigenous cinnamon *Cinnamomum osmophloeum* Kaneh through reactive oxygen species production, glutathione depletion, and caspase activation in human leukemia K562 cells. *Food Chemistry*. 2007. 103:434-443.
181. Chen, C. R. ; Chao, L. H.; **Pan, M. H.**; Liao, Y. W.; Chang, C. I. Tocopherols and Triterpenoids from *Sida acuta*. *Journal of the Chinese Chemical Society*. 2007. 54:41-45.
182. Li, S.; **Pan, M. H.**; Lai, C. S.; Lo, C. Y.; Dushenkov, S.; Ho, C. T. Isolation and syntheses of polymethoxyflavones and hydroxylated polymethoxyflavones as inhibitors of HL-60 cell lines. *Bioorganic & Medicinal Chemistry*. 2007. 15(10):3381-3389.
183. **Pan, M. H.**; Lai, Y. S.; Lai, C. S.; Wang, Y. J.; Li, S.; Lo, C. Y.; Dushenkov, S.; Ho, C. T. 5-Hydroxy-3,6,7,8,3',4'-hexamethoxyflavone induces apoptosis through reactive oxygen species production, growth arrest and DNA damage-inducible gene 153 expression, and caspase activation in human leukemia cells. *Journal of Agricultural and Food Chemistry*. 2007. 55(13):5081-5091.
184. Ho, Y. S.; Lai, C. S.; Liu, H. I.; Ho, S. Y.; Tai, C.; **Pan, M. H.**; Wang, Y. J. Dihydrolipoic acid inhibits skin tumor promotion through anti-inflammation and anti-oxidation. *Biochemical Pharmacology*. 2007. 73(11):1786-1795.
185. Cheng, A. C.; Jian, C. B.; Huang, Y. T.; Lai, C. S.; Hsu, P. C.; **Pan, M. H.** Induction of apoptosis by *Uncaria tomentosa* through reactive oxygen species production, cytochrome c release, and caspases activation in human leukemia cells. *Food Chemical Toxicol.* 2007. 45(11):2206-2218.
186. **MH Pan**, CS Lai, CT Ho. Antioxidant activity of phytopolyphenols: Assessment in cell culture systems. *ACS Symposium Series*. 2007. 956:92-105.
187. Lo, C. Y.; Li, S.; Tan, D.; **Pan, M. H.**; Sang, S.; Ho, C. T. Trapping reactions of reactive carbonyl species with tea polyphenols in simulated physiological conditions. *Molecular Nutrition & Food Research*. 2006. 50(12):1118-1128.
188. **Pan, M. H.***; Lai, C. S.; Wang, Y. J.; Ho, C. T. Acacetin suppressed LPS-induced up-expression of iNOS and COX-2 in murine macrophages and TPA-induced tumor promotion in mice. *Biochemical Pharmacology*. 2006. 72(10):1293-1303.
189. Tseng, L. H.; Lee, C. W.; **Pan, M. H.**; Tsai, S. S.; Li, M. H.; Chen, J. R.; Lay, J. J.; Hsu, P. C. Postnatal exposure of the male mouse to 2,2',3,3',4,4',5,5',6,6'-decabrominated diphenyl ether: decreased epididymal sperm functions without alterations in DNA content and histology in testis. *Toxicology*. 2006. 224(1-2):33-43.
190. Kuo, J. M.; Hwang, A.; Yeh, D. B.; **Pan, M. H.**; Tsai, M. L.; Pan, B. S. Lipoygenase from banana leaf: purification and characterization of an enzyme that catalyzes linoleic acid oxygenation at the 9-position. *Journal of Agricultural and Food Chemistry*. 2006. 54(8):3151-3156.
191. Cheng, A. C.; Huang, T. C.; Lai, C. S.; Kuo, J. M.; Huang, Y. T.; Lo, C. Y.; Ho, C. T.; **Pan, M. H.** Pyrrolidine dithiocarbamate inhibition of luteolin-induced apoptosis through up-regulated phosphorylation of Akt and caspase-9 in human leukemia HL-60 cells. *Journal of Agricultural and Food Chemistry*. 2006. 54(12):215-4221.
192. **Pan, M. H.**; Huang, Y. T.; Ho, C. T.; Chang, C. I.; Hsu, P. C.; Sun, P. B. Induction of apoptosis by Meretrix

- lusoria through reactive oxygen species production, glutathione depletion, and caspase activation in human leukemia cells. *Life Sciences*. 2006. 79(12):1140-1152.
193. Huang, Y. T.; Huang, Y. H.; Hour, T. C.; Pan, B. S.; Liu, Y. C.; **Pan, M. H.** Apoptosis-inducing active components from *Corbicula fluminea* through activation of caspase-2 and production of reactive oxygen species in human leukemia HL-60 cells. *Food Chemical Toxicol.* 2006. 44(8):1261-1272.
194. Bai, N.; Lai, C. S.; He, K.; Zhou, Z.; Zhang, L.; Quan, Z.; Zhu, N.; Zheng, Q. Y.; **Pan, M. H.**; Ho, C. T. Sesquiterpene lactones from *Inula britannica* and their cytotoxic and apoptotic effects on human cancer cell lines. *Journal of Natural Products*. 2006. 69(4):531-535.
195. Hsu, P. C.; Chen, I. Y.; Pan, C. H.; Wu, K. Y.; **Pan, M. H.**; Chen, J. R.; Chen, C. J.; Chang-Chien, G. P.; Hsu, C. H.; Liu, C. S.; Wu, M. T. Sperm DNA damage correlates with polycyclic aromatic hydrocarbons biomarker in coke-oven workers. *International Archives of Occupational and Environmental Health*. 2006. 79(5):349-356.
196. TC Huang, CT Ho, HY Fu, **MH Pan.** Cytotoxic properties of leaf essential oil and components from indigenous cinnamon (*Cinnamomum osmophloeum* Kaneh). *ACS Symposium Series*. 2006. 925:299-313.
197. **Pan, M. H.**; Sin, Y. H.; Lai, C. S.; Wang, Y. J.; Lin, J. K.; Wang, M.; Ho, C. T. Induction of apoptosis by 1-(2-hydroxy-5-methylphenyl)-3-phenyl-1,3-propanedione through reactive oxygen species production, GADD153 expression, and caspases activation in human epidermoid carcinoma cells. *Journal of Agricultural and Food Chemistry*. 2005. 53(23):9039-9049.
198. Cheng, A. C.; Huang, T. C.; Lai, C. S.; **Pan, M. H.** Induction of apoptosis by luteolin through cleavage of Bcl-2 family in human leukemia HL-60 cells. *European Journal of Pharmacology*. 2005. 509(1):1-10.
199. **Pan, M. H.**; Lai, C. S.; Hsu, P. C.; Wang, Y. J. Acacetin induces apoptosis in human gastric carcinoma cells accompanied by activation of caspase cascades and production of reactive oxygen species. *Journal of Agricultural and Food Chemistry*. 2005. 53(3):620-630.
200. Hsu, P. C.; Huang, Y. T.; Tsai, M. L.; Wang, Y. J.; Lin, J. K.; **Pan, M. H.** Induction of apoptosis by shikonin through coordinative modulation of the Bcl-2 family, p27, and p53, release of cytochrome c, and sequential activation of caspases in human colorectal carcinoma cells. *Journal of Agricultural and Food Chemistry*. 2004. 52(20):6330-6337.
201. Lin, YP.; Zhu, BZ.; Yang, MC.; Frei, B.; **Pan, MH.**; Lin, JK.; Wang, YJ. Bcl-2 overexpression inhibits tetrachlorohydroquinone-induced apoptosis in NIH3T3 cells: A possible mechanism for tumor promotion. *Molecular Carcinogenesis*. 2004. 40:24-33.
202. Yu-Ping Lin, Ben-Zhan Zhu, Ming-Chen Yang, Balz Frei, **Ming-Hsiung Pan**, Jen-Kun Lin and Ying-Jan Wang Bcl-2 Overexpression Inhibits Tetrachlorohydroquinone-Induced Apoptosis in NIH3T3 Cells: A Possible Mechanism for Tumor Promotion. *Molecular Carcinogenesis*. 2004. 40(1):24-33
203. **Pan, M. H.**; Huang, M. C.; Wang, Y. J.; Lin, J. K.; Lin, C. H. Induction of apoptosis by hydroxydibenzoylmethane through coordinative modulation of cyclin D3, Bcl-X(L), and Bax, release of cytochrome c, and sequential activation of caspases in human colorectal carcinoma cells. *Journal of Agricultural and Food Chemistry*. 2003. 51(14):3977-3984.
204. **Pan, M. H.**; Chen, W. J.; Lin-Shiau, S. Y.; Ho, C. T.; Lin, J. K. Tangeretin induces cell-cycle G1 arrest

- through inhibiting cyclin-dependent kinases 2 and 4 activities as well as elevating Cdk inhibitors p21 and p27 in human colorectal carcinoma cells. *Carcinogenesis*. 2002. 23(10):1677-1684.
205. Ho, Y. S.; Liou, H. B.; Lin, J. K.; Jeng, J. H.; **Pan, M. H.**; Lin, Y. P.; Guo, H. R.; Ho, S. Y.; Lee, C. C.; Wang, Y. J. Lipid peroxidation and cell death mechanisms in pulmonary epithelial cells induced by peroxynitrite and nitric oxide. *Archives of Toxicology*. 2002. 76(8):484-493.
206. Sang, S.; **Pan, M. H.**; Cheng, X.; Bai, N.; Stark, R. E.; Rosen, R. T.; Lin-Shiau, S. Y.; Lin, J. K.; Ho, C. T. Chemical studies on antioxidant mechanism of garcinol: analysis of radical reaction products of garcinol and their antitumor activities. *Tetrahedron*. 2001. 57:9931-9938.
207. **Pan, M. H.**; Chang, W. L.; Lin-Shiau, S. Y.; Ho, C. T.; Lin, J. K. Induction of apoptosis by garcinol and curcumin through cytochrome c release and activation of caspases in human leukemia HL-60 cells. *Journal of Agricultural and Food Chemistry*. 2001. 49(3):1464-1474.
208. Cheng, A. L.; Hsu, C. H.; Lin, J. K.; Hsu, M. M.; Ho, Y. F.; Shen, T. S.; Ko, J. Y.; Lin, J. T.; Lin, B. R.; Ming-Shiang, W.; Yu, H. S.; Jee, S. H.; Chen, G. S.; Chen, T. M.; Chen, C. A.; Lai, M. K.; Pu, Y. S.; **Pan, M. H.**; Wang, Y. J.; Tsai, C. C.; Hsieh, C. Y. Phase I clinical trial of curcumin, a chemopreventive agent, in patients with high-risk or pre-malignant lesions. *Anticancer Research*. 2001. 21(4B):2895-2900.
209. Lin, J. K.; **Pan, M. H.**; Lin-Shiau, S. Y. Recent studies on the biofunctions and biotransformations of curcumin. *Biofactors*. 2000. 13(1-4):153-158.
210. **Pan, M. H.**; Liang, Y. C.; Lin-Shiau, S. Y.; Zhu, N. Q.; Ho, C. T.; Lin, J. K. Induction of apoptosis by the oolong tea polyphenol theasinensin A through cytochrome c release and activation of caspase-9 and caspase-3 in human U937 cells. *Journal of Agricultural and Food Chemistry*. 2000. 48(12):6337-6346.
211. **Pan, M. H.**; Lin-Shiau, S. Y.; Lin, J. K. Comparative studies on the suppression of nitric oxide synthase by curcumin and its hydrogenated metabolites through down-regulation of IkappaB kinase and NFkappaB activation in macrophages. *Biochemical Pharmacology*. 2000. 60(11):1665-1676.
212. **Pan, M. H.**; Lin-Shiau, S. Y.; Ho, C. T.; Lin, J. H.; Lin, J. K. Suppression of lipopolysaccharide-induced nuclear factor-kappaB activity by theaflavin-3,3'-digallate from black tea and other polyphenols through down-regulation of IkappaB kinase activity in macrophages. *Biochemical Pharmacology*. 2000. 59(4):357-367.
213. **Pan, M. H.**; Lin, J. H.; Lin-Shiau, S. Y.; Lin, J. K. Induction of apoptosis by penta-O-galloyl-beta-D-glucose through activation of caspase-3 in human leukemia HL-60 cells. *European Journal of Pharmacology*. 1999. 381(2-3):171-183.
214. **Pan, M. H.**; Huang, T. M.; Lin, J. K. Biotransformation of curcumin through reduction and glucuronidation in mice. *Drug Metabolism & Disposition*. 1999. 27(4):486-494.
215. Wang, Y. J.; Ho, Y. S.; **Pan, M. H.**; Lin, J. K. Mechanisms of cell death induced by nitric oxide and peroxynitrite in Calu-1 cells. *Environmental Toxicology and Pharmacology*. 1998. 6(1):35-44.
216. Wang, Y. J.; **Pan, M. H.**; Cheng, A. L.; Lin, L. I.; Ho, Y. S.; Hsieh, C. Y.; Lin, J. K. Stability of curcumin in buffer solutions and characterization of its degradation products. *Journal of Pharmaceutical and Biomedical Analysis*. 1997. 15(12):1867-1876.
217. Kong, Z. L.; Chiang, L. C.; Fang, F.; Shinohara, K.; Pan, P. Immune bioactivity in shellfish toward

serum-free cultured human cell lines. *Bioscience, Biotechnology, and Biochemistry*. 1997. 61(1):24-28.

BOOK CHAPTERS

1. **Pan, Min-Hsiung**; Lai, Ching-Shu; Wu, Jia-Ching, and Ho, Chi-Tang. Effect of Flavonoids from Fruits and Vegetables in the Prevention and Treatment of Cancer. In *Cancer Chemoprevention and Treatment by Diet Therapy*, Edited by William C.S. Cho., Springer, **2013**, Chapter 2, pp. 23-54.
2. Bai, Naisheng; He, Kan; Roller, Marc; Lai, Ching-Shu; Shao, Xi; **Pan, Min-Hsiung**; Ho, Chi-Tang. Secoiridoid glucosides from *Fraxinus excelsior* with effects on LPS-induced nitrite production in RAW 264.7 macrophage and human cancer cell lines. In *African Natural Plant Products Volume II: Discoveries and Challenges in Chemistry, Health and Nutrition*, ACS Symposium Series 1127, Edited by H. Rodolfo Juliani, James E. Simon and Chi-Tang Ho, American Chemical Society, Washington DC., **2013**, pp. 115-126.
3. Chiou, Yi-Shiou; Ma, Nianhan Jia-Lin; Sang, Shengmin; Li, Shiming; Wang, Ying-Jan; Ho, Chi-Tang; **Pan, Min-Hsiung***. Peracetylated epigallocatechin-3-gallate, as an epigallocatechin-3-gallate prodrug, potently prevents human breast cancer cell metastasis by targeting the matrix metalloproteinases activity and fatty acid synthase expression. In *Nutrition, Functional and Sensory Properties of Foods*, Edited by Chi-Tang Ho, Cynthia Mussinan, Fereidoon Shahidi and Ellene Tratras Contis, Royal Society of Chemistry, Cambridge, UK, **2013**, pp. 291-302.
4. Lai, Ching-Shu; Zeng, Jun-Yan; Li, Shiming; Huang, Qingrong; Ho, Chi-Tang; **Pan, Min-Hsiung***. Inhibitory effects 5-demethyltangeretin and 5-acetyloxy-6,7,8,4'-tetramethoxyflavone on human colon cancer cells. In *Nutrition, Functional and Sensory Properties of Foods*, Edited by Chi-Tang Ho, Cynthia Mussinan, Fereidoon Shahidi and Ellene Tratras Contis, Royal Society of Chemistry, Cambridge, UK, **2013**, pp. 281-290.
5. Lai, Ching-Shu; Chang, Grace S.; Li, Shiming; Lo, Chih-Yu; Ho, Chi-Tang; **Pan, Min-Hsiung***. Comparison of anti-proliferative and anti-inflammatory effects of nobiletin and its urinary metabolite, 3',4'-didemethylnobiletin. In *Nutrition, Functional and Sensory Properties of Foods*, Edited by Chi-Tang Ho, Cynthia Mussinan, Fereidoon Shahidi and Ellene Tratras Contis, Royal Society of Chemistry, Cambridge, UK, **2013**, pp. 269-280.
6. Ho, Chi-Tang; **Pan, Min-Hsiung**; Ho, Yuan-Soon. The molecular targets of garcinol confer antitumor effects. In *Nutrition, Functional and Sensory Properties of Foods*, Edited by Chi-Tang Ho, Cynthia Mussinan, Fereidoon Shahidi and Ellene Tratras Contis, Royal Society of Chemistry, Cambridge, UK, **2013**, pp. 251-255.
7. Wu, Jia-Ching; Lai, Ching-Shu; Dushenkov, Slavik; Wang, Ying-Jan; Ho, Chi-Tang; **Pan, Min-Hsiung***. Impact on epigenetics in cancer chemoprevention by natural dietary compounds. In *Nutrition, Functional and Sensory Properties of Foods*, Edited by Chi-Tang Ho, Cynthia Mussinan, Fereidoon Shahidi and Ellene Tratras Contis, Royal Society of Chemistry, Cambridge, UK, **2013**, pp. 243-250.
8. Ho, Yuan-Soon; **Pan, Min-Hsiung**. Tea extracts confer its antiproliferating effects through inhibition of nicotine- and estrogen-induced 9-nicotinic acetylcholine receptor upregulation in human breast cancer cells. In *Nutrition, Functional and Sensory Properties of Foods*, Edited by Chi-Tang Ho, Cynthia Mussinan, Fereidoon Shahidi and Ellene Tratras Contis, Royal Society of Chemistry, Cambridge, UK, **2013**, pp. 257-268.

9. Pan, Min-Hsiung; Lia, Ching-Shu; Kuo Yu-Ching and Ho Chi-Tang. Comparative studies on biological activity of inotilone and methylinotilone from *Inonotus* Species. In *Recent Advances in Food and Flavor Chemistry: Food Flavor and Encapsulation, Health Benefits, Analytical Methods, and Molecular Biology of Functional Foods*. Edited by Ho, C.-T.; Mussinan C. J.; Shahidi F. and Tratras Contis E. Royal Society of Chemistry, Cambridge, UK, **2010**, page 448-456.
10. Wenping Tang, Min-Hsiung Pan, Shiming Li and Chi-Tang Ho. Garcinol from *Garcinia indica*: Chemistry and Health Beneficial Effects. In *Tropical and Subtropical Fruits: Flavors, Color, and Health Benefits*, **2011**, pp 133–145
11. Min-Hsiung Pan and Wei-Jen Chen. The cancer preventive potential of tea polyphenol EGCG in HER2-positive breast cancer. *Functional Foods. ACS Books*. Edited by Takayuki Shibamoto, Kazuki kanazawa, Fereidoon Shahidi and Ho, C, T. ACS Symposium Series 993, **2008**, Chapter 28, pp335-344, American Chemical Society.
12. Min-Hsiung Pan*, Hui-Jun Kang, Wei-Jen Chen, Chih-Yu Lo, Shiming Li, Shengmin Sang, and Chi-Tang Ho. Induction of apoptosis by acetylated black tea polyphenol through reactive oxygen species production, cytochrome c release, and caspases activation in human leukemia HL-60 cells. *ACS Books*. Edited by Takayuki Shibamoto, Kazuki kanazawa, Fereidoon Shahidi and Ho, C, T. ACS Symposium Series 993, **2008**, Chapter 29, pp345-361, American Chemical Society.

International Conference (* corresponding author)

2017

1. **Min-Hsiung Pan***. Chemopreventive effects of natural dietary compounds on human disease. The International Society for Nutraceuticals and Functional Foods (ISNFF) Conference, Oct 22-25, 2017. Gunsan, Jeonbuk, Korea. (Invited Speaker and Chairperson)
2. Jia-Ching Wu, Mei-Ling Tsai, Ching-Shu Lai, Chi-Tang Ho, Ying-Jan Wang and **Min-Hsiung Pan***. Polymethoxyflavones prevent benzo[a]pyrene/dextran sodium sulfate-induced colorectal carcinogenesis through modulate xenobiotic metabolism and improve autophagic defect in ICR mice. The International Society for Nutraceuticals and Functional Foods (ISNFF) Conference, Oct 22-25, 2017. Gunsan, Jeonbuk, Korea, P1-99.
3. Yen-Chen Tung, Wei-Tien Chang, Jia-Ching Wu, Wei-Lun Hung, Chi-Tang Ho, and **Min-Hsiung Pan***. Citrus peel extracts attenuated obesity and altered gut microbiota in high fat diet induced obese animal model. The International Society for Nutraceuticals and Functional Foods (ISNFF) Conference, Oct 22-25, 2017. Gunsan, Jeonbuk, Korea, P3-113.
4. Rong-Jane Chen, Pei-Hsuan Wu, Chi-Tang Ho, **Min-Hsiung Pan**, Yuan-Soon Ho, and Ying-Jan Wang*. P53-dependent down-regulation of hTERT protein expression and telomerase activity induces senescence in lung cancer cells as a result of pterostilbene treatment. The International Society for Nutraceuticals and Functional Foods (ISNFF) Conference, Oct 22-25, 2017. Gunsan, Jeonbuk, Korea.
5. Pei-Sheng Lee, Chia-Yi Teng, Kun-Feng Hsieh, Nagabhushanam Kalyanam, Chi-Tang Ho and **Min-Hsiung Pan***. Garcinol reduces obesity in C57BL/6 mice by modulating the composition of the gut microbiota. 3rd Global Summit on Herbals & Traditional Medicine, Oct 18-20, 2017. Osaka, Japan.
6. Yi-Shiou Chiou, Chi-Tang Ho and **Min-Hsiung Pan***. Garcinol sensitizes breast cancer cells to Taxol through suppression of caspase-3/IPLA₂ and NF- κ B/Twist1 signaling pathways in mouse 4T1 breast tumor model. 3rd Global Summit on Herbals & Traditional Medicine, Oct 18-20, 2017. Osaka, Japan.

2016

7. **Min-Hsiung Pan***. Chemopreventive effects of polymethoxyflavones on cancer development. The International Society for Nutraceuticals and Functional Foods (ISNFF) Conference, Oct 9-13, 2016. Orlando, Florida, USA. (Oral Presentation and Moderator)
8. **Min-Hsiung Pan*** and Chi-Tang Ho. Chemopreventive effects of stilbenoids on colon cancer development. BIT's 9th Annual World Cancer Congress -2016, May 14-16, 2016. Shanghai, China.

2015

9. **Min-Hsiung Pan***, Ching-Shu Lai, Chih-Yu Lo, Shiming Li and Chi-Tang Ho. Molecular mechanisms of disease chemoprevention by polymethoxyflavones. 205th ACS National Meeting, Aug 16-20, 2015. Boston, Massachusetts, USA. (Chairperson and Oral Presentation) Symposium Committee on Polymethoxyflavone Division of Agricultural and Food Chemistry.

10. **Min-Hsiung Pan***. Chemopreventive effects of dietary natural compounds on inflammation-associated human disease. 2nd International Symposium of Food Science and Human Wellness. July 25-26, 2015. Zhuzhou, Hunan, China. (Chairperson and Oral Presentation)
11. Ming-Yi Li, Mei-Ling Tsai, Vladimir Badmaev, Chi-Tang Ho and **Min-Hsiung Pan***. PLGE inhibited adipogenesis and obesity through activated AMPK signaling pathway in 3T3-L1 preadipocytes and high fat diet-induced obesity. The 6th International Conference on Food Factors 2015 (ICoFF 2015), Nov 22-25, 2015. Seoul, Republic of Korea, P-0383, P112
12. Jia-Ching Wu, Fang-Zong Wang, Mei-Ling Tsai, Chih-Yu Lo, Vladimir Badmaev, Chi-Tang Ho, Ying-Jan Wang, **Min-Hsiung Pan***. Se-allylselenocystein induced autophagy and cell cycle arrest through modulated PCDH17 promoter hypomethylation state and AMPK signaling pathway in HT-29 cell line. The 6th International Conference on Food Factors 2015 (ICoFF 2015), Nov 22-25, 2015. Seoul, Republic of Korea, P-0159, P77
13. Jia-Ching Wu, Vladimir Badmaev, Chi-Tang Ho, Ying-Jan Wang, **Min-Hsiung Pan***. (2015). Selenium-conjugated compound induce autophagic cell death through modulating PCDH17 expression by epigenetic regulation in HT-29 human colon cancer cell line. The 8th International Conference and Exhibition for Nutraceuticals and Functional Foods (ISNFF), Sep 20-23, 2015. Wuxi, China.
14. **Min-Hsiung Pan***, Tzu-Chun Cheng, Ching-Shu Lai, Min-Ching Chung, Chi-Tang Ho, Yuan-Soon Ho. Potent anti-cancer effect of 3'-hydroxypterostilbene in human colon xenograft tumors. (Eurotox 2015) 51th Congress of the European Societies of Toxicology, Sep 13-16, 2015. Porto, Portugal.

2014

15. Fang-Zong Wang, Jia-Ching Wu, Mei-Ling Tsai, **Min-Hsiung Pan**. Se-allyl- selenocysteine induced autophagy through modulating epigenetic mechanism in human colorectal adenocarcinoma HT-29 cells. Taiwan association of food science technology, Dec 5, 2014. National Kaohsiung Marine University, Kaohsiung, 811, Taiwan, No. 61.
16. Ming-Yi Lo, Chin-Shu Lai, Jia-Chin Wu, Chen-Yu Tsai, **Min-Hsiung Pan**, Mei-Ling Tsai. 3',4'-didemethylnobiletin is more effective than nobiletin suppressed lipopolysaccharide-induced iNOS and COX-2 expression through inhibit MAPK and NF-kB signaling pathways. Taiwan association of food science technology, Dec 5, 2014. National Kaohsiung Marine University, Kaohsiung, 811, Taiwan, No. 64.
17. Chia-Jung Teng, Wen-Tuan Hsiao, **Min-Hsiung Pan**, Chi-Tang Ho, Chih-Yu Lo. Anti-glycation activities of immature persimmon fruit (Diospyros kaki L. cv. Bull heart) extract. Cornucopian including AGFD abstracts for the 248th American Chemical Society National Meeting, Aug 10-14, 2014. San Francisco.
18. Shiming Li, Hui Zhao, **Min-Hsiung Pan**, Chih-Yu Lo, Chi-Tang Ho. Bioactive compounds in citrus fruits and chronic diseases. Cornucopian including AGFD abstracts for the 248th American Chemical Society National Meeting, Aug 10-14, 2014. San Francisco.
19. **Min-Hsiung Pan***. Cancer chemoprevention by dietary natural compounds. Cornucopian including AGFD abstracts for the 248th American Chemical Society National Meeting, Aug 10-14, 2014. San Francisco.
20. Yuwen Ting, Yi-Shiou Chiou, Yike Jiang, Colin C Li, Pei-Ti Chen, **Min-Hsiung Pan**, Chi-Tang Ho,

Qingrong Hunag. Toxicity evaluation for tangeretin in different oral formulations: In vivo 14-day acute and 30-day sub-chronic toxicity studies in mice. Cornucopian including AGFD abstracts for the 248th American Chemical Society National Meeting, Aug 10-14, 2014. San Francisco.

2013

21. **Min-Hsiung Pan***, Chieh-Han Chung, and Chi-Tang Ho. 5-demethyltangeretin (5-DTAN) is more effective than tangeretin in 7,12-dimethylbenz[a]anthracene (DMBA) /12-*O*-Tetradecanoylphorbol -13-acetate (TPA)-induced mouse skin carcinogenesis. Eurotox 2013 Interlaken Switzerland 49th Congress of the European Societies of Toxicology, Sep 1-4, 2013. Switzerland Interlaken.
22. Nianhan Ma, Chih-Han Chung, Tao-Sheng Chung, Shiming Li, Chi-Tang Ho, **Min-Hsiung Pan***. Chemoprevention of azoxymethane-induced colonic tumorigenesis by oral administration of tangeretin and 5-demethyltangeretin. 2013AIMECS (9th AFMC International Medicinal Chemistry Symposium in 2013), Oct 15-18, 2013. Grand Hotel Taipei, Taiwan.
23. Supatcha Janporn, Chi-Tang Ho, Visith Chavasit, **Min-Hsiung Pan**, Monthana Weerawatanakorn. Effect of extraction on physico-chemical properties, and shelf life study of new healthy oil from *Terminalia catappa Linn* seeds 2013 International Society for Nutraceuticals and Functional Foods (ISNFF), Nov 5-9, 2013. Howard Civil Service International House, Taipei, Taiwan, P25, p.145.
24. Bi-Ni Wang, Yang Liu, Wen-Ting Lao, Tian Zhang, **Min-Hsiung Pan***. Jujube extracts exhibit anti-inflammatory effects in murine RAW 264.7 cells. 2013 International Society for Nutraceuticals and Functional Foods (ISNFF), Nov 5-9, 2013. Howard Civil Service International House, Taipei, Taiwan, P185, p.226.
25. Pei-Hsuan Hsieh, **Min-Hsiung Pan***, Chi-Tang Ho*. Investigate the anti-inflammatory effect of resveratrol and its metabolite, δ -viniferin, in lipopolysaccharide-stimulated murine macrophage. 2013 International Society for Nutraceuticals and Functional Foods (ISNFF), Nov 5-9, 2013. Howard Civil Service International House, Taipei, Taiwan, P133, p.199.
26. Sih-Ning Liao, Mei-Ling Tsai, Chi-Tang Ho, **Min-Hsiung Pan***. Comparative study on the anti-inflammatory activity of polymethoxyflavones in vitro and in vivo. 2013 International Society for Nutraceuticals and Functional Foods (ISNFF), Nov 5-9, 2013. Howard Civil Service International House, Taipei, Taiwan, P186, p.226.
27. Yu-Nu Zheng, Mei-Ling Tsai, Chi-Tang Ho, **Min-Hsiung Pan***. Anti-inflammatory effect of 5-demethylnobiletin in LPS-stimulated murine macrophage and phorbol ester-treated mouse skin. 2013 International Society for Nutraceuticals and Functional Foods (ISNFF), Nov 5-9, 2013. Howard Civil Service International House, Taipei, Taiwan, P187, p.227.
28. Su-Yao Wang, Mei-Ling Tsai, Chi-Tang Ho, **Min-Hsiung Pan***. Effect of dietary administration of wheat bran extracts on azoxymethane-induced colorectal aberrant crypt foci formation in ICR mice. 2013 International Society for Nutraceuticals and Functional Foods (ISNFF), Nov 5-9, 2013. Howard Civil Service International House, Taipei, Taiwan, P188, p.227.
29. Pei-Shiaun Chen, Shu-Me Lin, **Min-Hsiung Pan**, Chi-Tang Ho, Chih-Yu Lo*. Polymethoxyflavones and

monodemethylated poly-methoxyflavones inhibit adipogenesis in 3T3-L1 adipocytes. 2013 International Society for Nutraceuticals and Functional Foods (ISNFF), Nov 5-9, 2013. Howard Civil Service International House, Taipei, Taiwan.

30. Lin, Han-Rong; Hsiao, Wen-Tuan; Pan, Min-Hsiung; Lai, Ching-Shu; Ho, Chi-Tang; Lo, Chih-Yu*. Studies on the antioxidative and anti-inflammatory activities of polyphenols from alpinia galangal. Abstract of Papers, 245th ACS National Meeting & Exposition, Apr 7-11, 2013. New Orleans, LA, United States.

2012

31. **Min-Hsiung Pan***, Min-Chi Hsieh and Chi-Tang Ho. Molecular targets of 6-shogaol: Its potential roles in cancer chemoprevention. INTERNATIONAL FLAVOR CONFERENCE XIII 5th GEORGE CHARALAMBOUS MEMORIAL SYMPOSIUM. 29 May - 1 June, 2012. AKS Hinita Bay Hotel. Porto Heli, Greece. (**Oral Presentation**).
32. Yuwen Ting*, Shiming Li, **Min-Hsiung Pan**, Chi-Tang Ho, Qingrong Huang. Viscous emulsions enhanced bioefficacy of poorly-soluble polymethoxyflavones (PMF) in colitis-related mouse colon carcinogenesis induced by AOM/DSS. INTERNATIONAL FLAVOR CONFERENCE XIII 5th GEORGE CHARALAMBOUS MEMORIAL SYMPOSIUM. 29 May - 1 June, 2012. AKS Hinita Bay Hotel. Porto Heli, Greece. (**Oral Presentation**).
33. **Min-Hsiung Pan***, Jia-Ching Wu, Ching-Shu Lai, Vladimir Badmaev, Kalyanam Nagabhushanam and Chi-Tang Ho. Tetrahydrocurcumin (THC) potently suppresses azoxymethane-induced colon carcinogenesis in mice. INTERNATIONAL FLAVOR CONFERENCE XIII 5th GEORGE CHARALAMBOUS MEMORIAL SYMPOSIUM. 29 May - 1 June, 2012. AKS Hinita Bay Hotel. Porto Heli, Greece. (**Oral Presentation**).
34. Yi-Shiou Chiou, Nianhan Jia-Lin Ma, Shengmin Sang, Chi-Tang Ho, Ying-Jan Wang and **Min-Hsiung Pan***. Peracetylated (-)-epigallocatechin-3-gallate (AcEGCG) potently suppresses dextran sulfate sodium-induced colitis and colon tumorigenesis in mice. INTERNATIONAL FLAVOR CONFERENCE XIII 5th GEORGE CHARALAMBOUS MEMORIAL SYMPOSIUM. 29 May - 1 June, 2012. AKS Hinita Bay Hotel. Porto Heli, Greece. (**Poster**).
35. Chieh-Han Chung, Shiming Li, Chi-Tang Ho and **Min-Hsiung Pan***. Hydroxylated form of 5,6,7,8,4-pentamethoxyflavone, exhibited higher anti-tumor-promoting activity in DMBA/TPA-induced mouse skin carcinogenesis. INTERNATIONAL FLAVOR CONFERENCE XIII 5th GEORGE CHARALAMBOUS MEMORIAL SYMPOSIUM. 29 May - 1 June, 2012. AKS Hinita Bay Hotel. Porto Heli, Greece. (**Poster**).
36. **Min-Hsiung Pan***. Dietary Administration of Citrus Hydroxylated Polymethoxyflavones Inhibits Azoxymethane-induced Colon Carcinogenesis in Mice. BIT's 5th Annual World Cancer Congress, May 18-20, 2012. Beijing International Convention Center (BICC), China. P202. (**Oral Presentation**).
37. Lin, Han-Rong; **Min-Hsiung Pan**; Lai, Ching-Shu; Ho, Chi-Tang; Lo, Chih-Yu. Determination of antioxidative and anti-inflammatory components in Alpinia galangal. Abstract of papers, The 2012 International Society for Nutraceuticals & Functional Foods (ISNFF), Dec 2-6, 2012. Kailua-Kona, HI,

United States.

38. Ho, Chi-Tang; Li, Shiming; Lo, Chih-Yu; **Min-Hsiung Pan**. Metabolites of food bioactives may exhibit stronger bioactivity. Abstracts of Papers, 243rd ACS National Meeting & Exposition, March 25-29, 2012. San Diego, CA, United States.

2011

39. **Min-Hsiung Pan**. Biological actions of garcinol on cancer chemoprevention. International Conference on Biopesticides 6 (ICOB6), Dec 11-16, 2011. Imperial Mae Ping Hotel, Chiangmai, Thailand. P137. (**Oral Presentation**).
40. **Min-Hsiung Pan**, Ching-Shu Lai, Shiming Li, Chi-Tang Ho. Cancer chemopreventive effects of hydroxylated polymethoxyflavones on cancer development. International Conference and Exhibition on Nutraceuticals and Functional Foods. International Society for Nutraceuticals and Functional Foods (ISNFF), Nov 14-17, 2011. Royton Sapporo Hotel, Sapporo, Japan. P99, O22-3. (**Oral Presentation**).
41. **Min-Hsiung Pan**. Ching-Shu Lai, Shiming Li, Hang Xiao, Ying-Jan Wang, Chi-Tang Ho. Chemoprevention of colonic tumorigenesis by dietary hydroxylated polymethoxyflavones in azoxymethane-treated mice. International Conference on Food Factors 2011 (ICoFF 2011), Nov 20-23, 2011. International Convention Center in Taipei, Taiwan, P129, S29-4. (**Invited Speaker**).
42. Jia-Ching Wu, Ching-Shu Lai, Vladimir Badmaev, Kalyanam Nagabhushanam, Chi-Tang Ho, and **Ming-Hsiung Pan**. Effect of dietary administration of tetrahydrocurcumin and curcumin on azoxymethane-induced colorectal aberrant crypt foci formation in ICR mice. International Conference on Food Factors 2011 (ICoFF 2011), Nov 20-23, 2011. International Convention Center in Taipei, Taiwan, P182, P1-51.
43. Li-Yu Chiou, Chi-Tang Ho, and **Ming-Hsiung Pan**. Dietary supplementation of garcinol inhibits colitis-associated colorectal carcinogenesis in mice. International Conference on Food Factors 2011 (ICoFF 2011), Nov 20-23, 2011. International Convention Center in Taipei, Taiwan, P182, P1-52.
44. Fang-Ling Guo, Chi-Tang Ho, and **Ming-Hsiung Pan**. Se-methyl-L-selenocysteine (MSC) induced apoptosis through mitochondrial and JNK signaling pathways in human colon adenocarcinoma COLO 205 cells. International Conference on Food Factors 2011 (ICoFF 2011), Nov 20-23, 2011. International Convention Center in Taipei, Taiwan, P182, P1-53.
45. Min-Ching Chung, Chi-Tang Ho, and **Ming-Hsiung Pan**. Differential effects of pterostilbene and 3'-hydroxypterostilbene on apoptosis and autophagy in human colon cancer cells COLO205. International Conference on Food Factors 2011 (ICoFF 2011), Nov 20-23, 2011. International Convention Center in Taipei, Taiwan, P182, P1-55.
46. Shengmin Sang, Huadong Chen, **Ming-Hsiung Pan**, Chung S. Yang, Chi-Tang Ho, and Vladimir Badmaev. Bioactive Components in Ginger: Biotransformation and Cancer Preventive Effects. International Conference on Food Factors 2011 (ICoFF 2011), Nov 20-23, 2011. International Convention Center in Taipei, Taiwan, P183, P1-76.
47. Ching-Shu Lai, You-Syuan Lai, Chi-Tang Ho, and **Ming-Hsiung Pan**. Magnolol potently suppressed

- lipopolysaccharide-induced iNOS and COX-2 expression via downregulating MAPK and NF- κ B signaling pathways. International Conference on Food Factors 2011 (ICoFF 2011), Nov 20-23, 2011. International Convention Center in Taipei, Taiwan, P184, P1-86.
48. Chen-yu Tsai, Bonnie Sun Pan, Mei Ling Tsai and **Ming-Hsiung Pan**. TGF- β -induced fibrogenic responses of hepatic stellate cells and its application to the screening of anti-hepatic fibrosis compounds from *Chlorella* (*Chlorella* sp.). International Conference on Food Factors 2011 (ICoFF 2011), Nov 20-23, 2011. International Convention Center in Taipei, Taiwan, P188, P1-173.
49. Ching-Shu Lai, Vladimir Badmaev, Miguel Jimenez, Chi-Tang Ho and **Ming-Hsiung Pan**. Xanthigen suppresses adipocyte differentiation through modulation of Sirt1 expression in 3T3-L1 cells. International Conference on Food Factors 2011 (ICoFF 2011), Nov 20-23, 2011. International Convention Center in Taipei, Taiwan, P190, P1-215.
50. Chieh-Han Chung, Shiming Li, Chi-Tang Ho and **Ming-Hsiung Pan**. Comparison of the effects of the Tangeretin and 5-hydroxytangeretin in 12-O- Tetradecanoylphorbol-13-acetate-treated human colorectal carcinoma cell. International Conference on Food Factors 2011 (ICoFF 2011), Nov 20-23, 2011. International Convention Center in Taipei, Taiwan, P193, P1-285.
51. Yi-Shiou Chiou, Yin-Jen Wang, Chi-Tang Ho and **Ming-Hsiung Pan**. AcEGCG is more potent to prevent DSS-induced colitis than EGCG by activation of the Nrf2-mediated anti-inflammatory signaling. International Conference on Food Factors 2011 (ICoFF 2011), Nov 20-23, 2011. International Convention Center in Taipei, Taiwan, P194, P1-304.
52. Min-Hau Ho, Mei-Ling Tsai, Chi-Tang Ho and **Ming-Hsiung Pan**. Inhibitory Effects of *Chlorella* (*Chlorella* sp.) Extract on adipogenesis in 3T3-L1 cells. International Conference on Food Factors 2011 (ICoFF 2011) , Nov 20-23, 2011. International Convention Center in Taipei, Taiwan, P199, P1-413.
53. **Min-Hsiung Pan**. Inhibitory effect of the urinary metabolites of citrus nobiletin on TPA-induced skin inflammation and tumor promotion in mice. (2011). Cancer Prevention Research and Department of Chemical Biology Ernest Mario School of Pharmacy, Rutgers University, USA. (**Invited Lecture**).
54. **Min-Hsiung Pan**. Inhibitory Effect of Magnolol on TPA-Induced Skin Inflammation and Tumor Promotion in Mice. The 241st ACS National Meeting & Exposition, Mar 27-31, 2011. Anaheim, California, USA. (**Oral**).
55. Grace S. Chang, Ching-Shu Lai, Jia-Ching Wu, Chen-Yu Chai, and **Ming-Hsiung Pan**. **Anti-Carcinogenic and Anti-Inflammatory Properties of Nobiletin and 3'4'-didemethylnobiletin**. The 241st ACS National Meeting & Exposition, Mar 27-31, 2011. Anaheim, California, USA. (Poster)

2010

56. **Min-Hsiung Pan**. Inhibitory effect of the urinary metabolites of citrus nobiletin on phorbol ester-induced skin inflammation and tumor promotion in mice. The 4th AFLAS Congress Meeting, Nov 9-11, 2010. Taipei, Taiwan. OS 12-08, P. 89. (**Invited Lecture**).
57. **Min-Hsiung Pan**. Chemoprevention of colonic tumorigenesis by dietary hydroxylated polymethoxyflavones in azoxymethane-treated mice. International Society for Nutraceuticals and Functional

- Foods (ISNFF) Conference, Oct 11-15, 2010. Bali, O52, P.11.
58. Peiju Qiu, Noppawat Charoensinphon, Ryan Riddle, Shiming Li, **Min-Hsiung Pan**, Chi-Tang Ho, hang Xiao. Novel strategies for cancer chemoprevention using polymethoxyflavones from orange. International Society for Nutraceuticals and Functional Foods (ISNFF) Conference, Oct 11-15, 2010. Bali, O49, P.10.
59. Chih-Yu Lo, Han-Rong Lin, Shiming Li, **Min-Hsiung Pan**, Chi-Tang Ho. Trapping of methylglyoxal, a maillard reaction generated bioactive compound, by anthocyanidins in blackcurrent fruit. International Society for Nutraceuticals and Functional Foods (ISNFF) Conference , Oct 11-15, 2010. Bali, O93, P.16.
60. **Min-Hsiung Pan**. Pterostilbene inhibits TPA-induced invasion and metastasis of human hepatoma cells through inactivating PKC, MAPK and PI3K/Akt signal transduction pathway. BIT's 3rd Annual World Cancer Congress, June 22-25, 2010. Singapore EXPO, Singapore, Track 2-7, p.018.
61. Lo, Chih-Yu; Chen, Xiu-Yu; Hsiao, Wen Tuan; Li, Shiming; **Pan, Min-Hsiung**; Ho, Chi-Tang. Trapping of methylglyoxal, a maillard reaction generated bioactive compound, by black current pigments. Abstracts of Papers, 239th ACS National Meeting, Mar 21-25, 2010. San Francisco, CA, United States, ch

2009

62. **Min-Hsiung Pan**. Pterostilbene inhibited tumor invasion via suppressing multiple signal transduction pathways in human hepatocellular carcinoma cells. ISNFF 2009, Oct 31-Nov 4, 2009. San Francisco. CA. O79, p.80.
63. Lee, Jonghun; Lai, Ching-Shu; **Pan, Min-Hsiung**; Ho, Chi-Tang. Anti-inflammatory activity of rosmanol transformed from carnosol of rosemary. Abstracts of Papers, 238th ACS National Meeting, Aug 16-20, 2009. Washington, DC.
64. Lo, Chih-Yu; Li, Shiming; Kuo, Yu-Ching; **Pan, Min-Hsiung**; Ho, Chi-Tang. Trapping of methylglyoxal, a Maillard reaction generated bioactive compound, by hydroxybenzene derivatives. Abstracts of Papers, 238th ACS National Meeting, Aug 16-20, 2009. Washington, DC.
65. Sang, Shengmin; **Pan, Min-Hsiung**; Hong, Jungil; Wu. Hou; Shao, Xi; Yang, Chung S.; Ho, Chi-Tang. Impact of process on the chemical profile and anti-inflammatory and anticancer activities of ginger. Abstracts of Papers, 238th ACS National Meeting, Aug 16-20, 2009. Washington, DC.
66. **Min-Hsiung Pan***, Ching-Shu Lai, Ying-Jan Wang, Shiming Li, Chi-Tang Ho. 3',4'-didemethylnobiletin inhibits 12-O-tetradecanoylphorbol-13-acetate – induced acute inflammation and two-stage mouse skin carcinogenesis by blocking the expression of ornithine decarboxylase, inducible nitric oxide synthase and cyclooxygenase-2. **12th International Flavor Conference and the 4th George Charalambous Memorial Symposium, May 25-29, 2009. Island of Skiathos, Greece, p27, O-III-04. (Oral presentation).**
67. Ying-Jan Wang, Ming-Chen Yang and **Min-Hsiung Pan**. Dihydrolipoic Acid Inhibits Tetrachlorohydroquinone-Induced Tumor Promotion through prevention of Oxidative Damage. **12th International Flavor Conference and the 4th George Charalambous Memorial Symposium, May 25-29, 2009. Island of Skiathos, Greece, p27, O-III-02.**
68. Ching-Shu Lai, Ying-Jan Wang, Jonghun Lee, Chi-Tang Ho, and **Min-Hsiung Pan**. Rosmanol suppressed lipopolysaccharide-induced up-expression of iNOS and COX-2 through down-regulating nuclear factor-κB

- pathway in murine macrophages. **12th International Flavor Conference and the 4th George Charalambous Memorial Symposium, May 25-29, 2009. Island of Skiathos, Greece, p19, P-31.**
69. Sheng-Yow Ho, You-Syuan Lai, Hou Wu, Chi-Tang Ho, and Min-Hsiung Pan. Anti-inflammatory effect of magnolol through suppressed lipopolysaccharide- induced expression of iNOS and COX-2 in murine macrophages. **12th International Flavor Conference and the 4th George Charalambous Memorial Symposium, May 25-29, 2009. Island of Skiathos, Greece, p20, P-33.**
70. Yu-Ching Kuo, Ching-Shu Lai, Chi-Tang Ho, and Min-Hsiung Pan. Diffeential inhibitory effects of inotilone on inflammatory mediator, iNOS and COX-2, in LPS-stimulated murine macrophage. **12th International Flavor Conference and the 4th George Charalambous Memorial Symposium , May 25-29, 2009. Island of Skiathos, Greece, p20, P-34.**
71. Lo, Chih-Yu; Pan, Min-Hsiung; Li, Shiming; Ho, Chi-Tang. Determination of dibenzoylmethane and reactive metabolites by liquid chromatography and linear ion trap mass spectrometry. **12th International Flavor Conference and the 4th George Charalambous Memorial Symposium, May 25-29, 2009. Island of Skiathos, Greece.**
72. Yi-Shiou Chiou, Chi-Tang Ho, Min-Hsiung Pan*. Pterostilbene, an active constituent of blueberries, suppresses aberrant crypt foci and tumor formation in azoxymethane-induced colon carcinogenesis model in mice. **Proceedings of 24th Joint Annual Conference of Biomedical Sciences, Mar 21-22, 2009. NDMC, Taipei: P584, pp297.**

Meeting Abstract

1. Cheng, AC, Lee, MF, Pan, MH*. Se-allylselenocysteine suppresses inflammation via inhibiting iNOS expression. *The FASEB Journal*. 2017. 31(1).
2. Cheng, AC, Lee, MF, Chiou, BH, Yen YZ, Pan, MH*. Curcumin metabolites induce autophagic cell death through PI3K/AKT-mTOR signaling in COLO205 human colon adenocarcinoma cells. *The FASEB Journal*. 2016. 30(10)