Yanwen Wang: publication list 1989-March 2017

Wang, Yanwen

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Publication List --- Yanwen Wang

Intellectual Property

1. Yanwen Wang, Jacques Gagnon, Junzeng Zhang & Stephen Ewart. Shrimp protein as a naturally-occurring anti-diabetic agent. *NRC Form-1 in 2015.*
2. Yanwen Wang, Jacques Gagnon, Junzeng Zhan & Stephen Ewart. Herring milt and/or protein hydrolysate as naturally-occurring anti-diabetic agents. *NRC Form-1 in 2014*.
3. **Yanwen Wan & Jeffrey Zidichouski. Combinations of Botanical Extracts for Promoting Cardiovascular Health. *Granted in Canada and EU in 2013, USA in 2014 .*
4. Handunkutti Pathirannehalage Vasantha Rupasinghe, Yanwen Wang, & Surangi Kumari Priyadarshani Heenetimulla Thilakarathna. Apple skin extracts for treating cardiovascular disease. Granted. *Filed a PCT application in 2011.*
5. Yanwen Wang, Marianna Kulka, Junzeng Zhang & Jeff Zidichouski. Tunicate extracts and uses thereof in anti-allergy applications. *Filed a PCT application in 2011.*
6. Yanwen Wang, Marianna Kulka, Junzeng Zhang & Jeff Zidichouski. Tunicate extracts and uses thereof in wound healing. *Filed a PCT application in 2011.*
7. Yanwen Wang, Junzeng Zhang, Stephen Ewart & Jeff Zidichouski. Tunicate extracts and uses thereof for treating metabolic disorders. *Filed a PCT application in 2011.*
8. Jianhui Liu, Fei Yin, Yanwen Wang, Jeff Zidichouski & Junzeng Zhang. Use of natural compound for diabetes prevention. *Filed a PCT application in 2010 and transferred to Chongqing Technology and Business University, Chongqing, China.*
9. Xiuhong Ji, Jianhui Liu, Yanwen Wang, Jeff Zidichouski & Junzeng Zhang. Plant extracts for neurodegenerative diseases. *Filed a PCT application in 2010.*

Peer-reviewed Publications: Journals & Peer-Reviewed Conference Proceedings

1. Nair S, Gagnon J, Pelletier C, Tchoukanova N, Zhang J, Ewart H.S, Ewart V, Jiao G, and **Wang Y**. 2017. Shrimp Oil Extracted from the Shrimp Processing Waste Reduces the Development of Insulin Resistance and Metabolic Phenotypes in Diet-induced Obese Rats. Appl Phyiol Nutr Metab (accepted).
2. **Wang Y**, Sha Y, Nair S, Gagnon J, Srinivasan P, Albert D, Ewart S, Zhang J, and Hanna P. 2016. Shrimp Protein Improves Oral Glucose Tolerance in High-Fat Diet-Induced Obese Mice. BAOJ Nutrition, 2: 020.
3. **Wang Y**, Fofana B, Roy M, Ghose K, Yao XH, Nixon MS, Nair S, and Nyomba GBL. 2015. Flaxseed Lignan Secoisolariciresinol Diglucoside Improves Insulin Sensitivity through Upregulation of GLUT4 Expression in Diet-Induced Obese Mice. Journal of Functional Foods 18 (Part A): 1-9.
4. Zhang Y, Yin F, Liu J, and **Wang Y**. 2015. Geniposide protects pancreatic INS-1E β cells from hIAPP-induced cell damage: potential involvement of insulin degrading-enzyme. Cell Biology international 39:373-8.
5. Sekhon-Loodu S, Ziaullah Z, Rupasinghe HP, **Wang Y**, Kulka M, Shahidi F. 2015 Novel quercetin-3-O-glucoside eicosapentaenoic acid ester ameliorates inflammation and hyperlipidemia. Inflammopharmacology 23:173-185.
6. Sekhon-Loodu L, Rupasinghe V, **Wang Y**, Shahidi F. 2014. Apple flavonols and n-3 polyunsaturated fatty acid-rich fish oil lowers blood C-reactive protein in rats with hypercholesterolemia and acute inflammation. Nutrition Research 34:535-543.

7. ** He Y, Li W, Li Y, Zhang S, **Wang Y**, Sun C. 2014. Ursolic acid stimulates glucose uptake through the PI3K signaling pathway in adipocytes. PLoS ONE 9:e110711.
8. Perry B, Zhang J, Saleh T, **Wang Y**. 2014. Liuwei Dihuang, a traditional Chinese herbal formula, suppresses chronic inflammation and oxidative stress in obese rats. Journal of Integrative Medicine 12:447-54.
9. ****Wang Y**, Yi X, Ghanam K, Zhang S, Zhao T, Zhu X. 2014. Berberine decreases cholesterol levels in rats through multiple mechanisms, including inhibition of cholesterol absorption. Metabolism 63:1167-77.
10. Nair SV, Zhang J, **Wang Y**. 2014. Ethanol extract of Liuwei Dihuang reduces weight gain and visceral fat in obese-prone CD rats fed a high-fat diet. Experimental Biology and Medicine 239:552-558.
11. Liu J, Guo L, Yin F, Zhang Y, Liu Z, **Wang Y**. 2013. Geniposide regulates glucose-stimulated insulin secretion through controlling glucose metabolism in INS-1 cells. PLoS ONE 8:e78135.
12. Guo F, Yang X, Li X, Feng R, Guan C, **Wang Y**, Li Y, Sun C. 2013. Nuciferine prevents hepatic steatosis and injury induced by high-fat diet in hamsters. PLoS ONE 8:e63770.
13. He Y, Li Y, Zhao T, **Wang Y**, Sun C. 2013. Ursolic acid inhibits adipogenesis in 3T3-L1 adipocytes through LKB1/AMPK pathway. PLoS ONE 8:e70135.
14. Li S, Li Y, Ning H, Na L, Niu Y, Wang M, Feng R, Liu L, Guo F, Hou S, Chu X, **Wang Y**, Zhang Y, Zhang H, Huang L, Bi M, Huang Y, Hao L, Zhao Y, Wang C, Wang Y, He Y, Sun C. 2013. Calcium supplementation increases endogenous circulating cholesterol by reducing its catabolism via GPER and TRPC1-dependent pathway in estrogen deficiency. International Journal of Cardiology 168:2548-60.
15. He Y, Li Y, Zhang S, Perry B, Zhao T, **Wang Y**, Sun C. 2013. Radicicol, a heat shock protein 90 inhibitor, inhibits differentiation and adipogenesis in 3T3-L1 preadipocytes. Biochemical Biophysical Research Communications 436:169-174.
16. Gunathilake KD, **Wang Y**, and Rupasinghe VH. 2013. Hypocholesterolemic and hypotensive effects of a fruit-based functional beverage in spontaneously hypertensive rats fed with cholesterol-rich diet. Journal of Functional Foods 5:1392-1401.
17. Nair SV, Zhang J, Ji X. **Wang Y**. 2013. Water extract of Liuwei Dihuang reduces weight gain and visceral fat in obese rats. Journal of US-China Medical Science 10:1-12.
18. **Perry B, Zhang J, Sun C, Saleh T, **Wang Y**. 2012. Liuwei Dihuang lowers body weight and improves insulin and leptin sensitivity in obese rats. Evidence Based Complementary and Alternative Medicine 2012:847167.
19. Sangha JS, Sun X, Wally OS, Zhang K, Ji X, Wang Z, **Wang Y**, Zidichouski J, Prithiviraj B, Zhang J. 2012. Liuwei Dihuang (LWDH), a traditional Chinese medicinal formula, protects against b-Amyloid toxicity in transgenic Caenorhabditis elegans. PLoS ONE 7: e43990.
20. Thilakarathn SH, **Wang Y**, Rupasinghe HP, Ghanam K. 2012. Apple peel flavonoid- and triterpene-enriched extracts differentially affect cholesterol homeostasis in hamsters. Journal of Functional Foods 4:963-971.

21. Perry B, **Wang Y**. 2012. Appetite regulation and weight control: the role of gut hormones. Nutrition and Diabetes 2:e26.
22. Sun X, Zhang K, Ji X, **Wang Y**, Zidichouski J, Tong Y, Gao H, Zhang J, Wang Z. 2012. Screening of pancreatic lipase and α-glucosidase inhibitors from Chinese dietary herbs. China Journal of Chinese Materia Medica 37:1319-1323.
23. Ji X, Rivers L, Zielinski Z, Xu M, MacDougall E, Stephen J, Zhang S, **Wang, Y**. Chapman B, Keddy P, Robertson G, Kirby C, Embleton J, Worrall K, Murphy A, Koeyer DD, Tai H, Yu L, Charter E, Zhang J. 2011. Quantitative analysis of phenolic components and glycoalkaloids from 20 potato clones and in vitro evaluation of antioxidant, cholesterol uptake, and neuroprotective activities. Food Chemistry 133:1177-1187.
24. Chen Y, Zhang J, Sun C. **Wang Y**. 2011. Berberine improves glucose homeostasis in streptozotocin-induced diabetic rats through altering multiple factors associated with insulin resistance. ISRN Endocrinology 2011:519371.
25. Yin F, Liu J, Ji X, **Wang Y**, Zidichouski J, Zhang J. 2011. Silibinin: a novel inhibitor of Aβ aggregation. Neurochemistry International 58:399-403.
26. Yin F, Liu J, Ji X, **Wang Y**, Zidichouski J, Zhang J. 2011. Baicalin prevents the production of hydrogen peroxide and oxidative stress induced by Aβ aggregation in SH-SY5Y cells. Neuroscience Letter 492:76-79.
27. Fu Z, Zhang W, Zhen W, Jia Z, Lum H, Bassaganya-Riera J, Nadler J, **Wang Y**, Misra H, Liu D. 2010. Genistein induces pancreatic β-cell proliferation through activation of multiple signaling pathways and prevents insulin-deficient diabetes in mice. Endocrinology 151:3026-37.
28. **Wang Y**, Campbell A, Perry B, Beaurepaire C, Qin L. 2010. Hypoglycemic and insulin sensitizing effects of berberine in high-fat diet- and streptozotocin-induced diabetic rats. Metabolism 60:298-305.
29. ****Wang Y**, Jia X, Ghanam K, Beaurepaire C, Zidichouski J, Miller L. 2010. Berberine and plant stanols synergistically inhibit cholesterol absorption in hamsters. Atherosclerosis 209:111-117.
30. Chen Y, Li Y, **Wang Y**, Wen Y, Sun C. 2009. Berberine improves free-fatty-acid-induced insulin resistance through inhibiting peroxisome proliferator-activated receptor gamma and fatty acid transferase expressions in L6 myotubes. Metabolism 58:1694-1702.
31. Jia X, Chen Y, Zidichouski J, Zhang J, Sun C, **Wang Y**. 2008. Co-administration of berberine and plant stanols synergistically reduces plasma cholesterol in rats. Atherosclerosis 201:101-107.
32. Jia X, Ebine N, Demonty I, **Wang Y**, Beech R, Muise V, Marc FG, Jones PJ. 2007. Hypocholesterolemic effects of plant sterol analogs are independent of ABCG5 and ABCG8 transporter expressions in hamsters. British Journal of Nutrition 98: 550-555.
33. **Wang Y**, Jones PJ, Woollett LA, Buckley DD, Yao L, Granholm NA, Tolley EA, Heubi JE. 2006. Effects of chenodeoxycholic acid and deoxycholic acid on cholesterol absorption and metabolism in humans. Translational Research 138: 37-45.

34. Woollett LA, **Wang Y**, Buckley DD, Yao L, Chin S, Granholm N, Jones PJ, Setchell KD, Tso P, Heubi JE. 2006. Micellar solubilisation of cholesterol is essential for absorption in humans. Gut 55: 197-204.
35. Demmers TA, Jones PJ, **Wang Y**, Krug S, Creutzinger V, Heubi JE. 2005. Effects of early cholesterol intake on cholesterol biosynthesis and plasma lipids among infants until 18 months of age. Pediatrics 115:1594-1601.
36. **Wang Y**, Ebine N, Jia X, Jones PJ, Fairow C, Jaeger R. 2005. Very long chain fatty acids (policosanols) and phytosterols affect plasma lipid levels and cholesterol biosynthesis in hamsters. Metabolism 54: 508-514.
37. Jia X, Ebine N, Wang Y, Awad AB, Jones PJ. 2005. Effect of different phytosterol analogs on colonic mucosal cell proliferation in hamsters. Journal of Nutritional Biochemistry 17:396-401.
38. Ebine N, Jia X, Demonty I, Wang Y, Jones PJ. 2005. Effects of a water-soluble phytostanol ester on plasma cholesterol levels and red blood cell fragility in hamsters. Lipids 40:175-180.
39. **Wang Y, Jones PJ. 2004. Conjugated linoleic acid and body weight and composition. American Journal of Clinical Nutrition 79:1153S-1158S.
40. Wang Y, Jones PJ. 2004. Conjugated linoleic acid and obesity control: Efficacy and mechanisms. International Journal of Obesity and Related Metabolic Disorders 28:941-955.
41. Wollin SD, Wang Y, Kubow S, Jones PJ. 2004. Effects of a medium chain triglyceride oil mixture and alpha-lipoic acid diet on body composition, antioxidant status, and plasma lipid levels in the Golden Syrian hamster. Journal of Nutritional Biochemistry 15:402-410.
42. Wang Y, Jones PJ, Ausman LM, Lichtenstein AH. 2004. Soy protein reduces triglyceride levels and triglyceride fatty acid fractional synthesis rate in hypercholesterolemic subjects. Atherosclerosis 173:269-275.
43. Wang Y, Vanstone CA, Parsons WD, Jones PJ. 2004. Validation of single-isotope-labeled cholesterol tracer approach for measuring human cholesterol absorption. Lipids 39:87-91.
44. Nakano T, Wang Y, Ozimek L, Sim JS. 2004. Chemical composition of the infrapatellar fat pad of swine. Journal of Anatomy 204:301-306.
45. Wang Y, Sunwoo H, Cherian G, Sim JS. 2004. Maternal dietary ratio of linoleic acid to alpha-linolenic acid affects the passive immunity of hatching chicks. Poultry Science 83:2039-2043.
46. Varady KA, Wang Y, Jones PJ. 2003. Role of policosanols in the prevention and treatment of cardiovascular disease. Nutrition Review 61:376-383.
47. Wang Y, Jones PJ, Pischel I, Fairow C. 2003. Effects of policosanols and phytosterols on lipid levels and cholesterol biosynthesis in hamsters. Lipids 38:165-170.
48. Ajuyah AO, Cherian G, Wang Y, Sunwoo H, Sim JS. 2003. Maternal dietary FA modulate the long-chain n-3 PUFA status of chick cardiac tissue. Lipids 38:1257-1261.
49. Ajuyah AO, Wang Y, Sunwoo H, Cherian G, Sim JS. 2003. Maternal diet with diverse omega-6/omega-3 ratio affects the brain docosahexaenoic acid content of growing chickens. Biology of the Neonate 84:45-52.

50. Wang Y, Ajuyah AO, Sunwoo H, Cherian G, Sim JS. 2002. Maternal dietary N-3 fatty acids alter the spleen fatty acid composition and bovine serum albumin-induced wing web swelling in broilers. Poultry Science 82:1722-1727.
51. Wang Y, Cherian G, Sunwoo H, Sim JS. 2000. Dietary polyunsaturated fatty acids significantly affect laying hen lymphocyte proliferation and immunoglobulin G concentration in serum and egg yolk. Canadian Journal of Animal Science 80:597-604.
52. Wang Y, Field CJ, Sim JS. 2000. Dietary polyunsaturated fatty acids alter lymphocyte subset proportion and proliferation, serum IgG concentration and immune tissue development in chicks. Poultry Science 80:1741-1748.
53. Wang Y, Sunwoo H, Sim JS, Cherian G. 2000. Lipid characteristics of emu meat and tissues. Journal of Food Lipids 7:71-82.
54. Wang Y, Sunwoo H, Cherian G, Sim JS. 2000. Fatty acid determination in chicken egg yolk: A comparison of different methods. Poultry Science 79:1168-1171.
55. Wang Y, Song Z. 1996. Effect of dietary levels of metabolic energy and protein on the performance of broilers. Journal of Gansu Agricultural University 26:1-4.
56. Wang Y, Shi Z, Song Z. 1995. Effect of β-agonist on the meant production and quality of broilers. Journal of Chinese Feeds 1995 (14):17-18.
57. Wang Y, Song Z. 1995. Effect of different dietary energy and protein on the meat production and quality of broilers. Feed Research 1995(7):4-5.
58. Wang Y, Shi Z,. Song Z. 1995. Effect of β-agonist on the body weight gain and feed efficiency of broilers, Journal of Gansu Agricultural University 25:13-15.
59. Wang Y, Song Z. 1995. Effect of different dietary formulas on the growth performance and body composition of broilers. Chinese Feeds 1995 (8):11-14.
60. Wang Y, He Z. 1991. Effects of dietary levels of linseed meal, heat-treated ground bean and fish meal on the growth performance and feed efficiency of broilers. Chinese Journal of Animal Nutrition 3:63-64.
61. Wang Y, He Z. 1989. Optimization of feed formulas for broiler production. Journal of Gansu Agricultural University 58:97-101.
62. Wang Y, He Z. 1989. Optimization of linseed meal, heat-treated ground bean and fish meal in broiler diet. Journal of Gansu Agricultural University 58:17-25.

SECTION 3 - List of non-peer-reviewed conference proceedings

1. Wang Y, Jia X. 2009. Combination of berberine and plant stanols improves cholesterol-lowering efficacy and lowers plasma triacylglycerols in hamsters. Proceedings of the 8th International Congress on Coronary Artery Disease. Pages 53-57.
2. Ajuyah AO, Wang Y, Cherian G, Sunwoo H, Sim JS. 2003. The effect of maternal dietary omega (ω)-3 fatty acids on hatchability and growth of broiler chickens. Proceedings - Australia Poultry Science Symposium 15:154-158.
3. Ajuyah AO, Wang Y, Cherian G, Sunwoo H, Sim JS. 2002. Impact of maternal dietary ω-3 fatty acid composition on the brain, heart and spleen docosahexaenoic fatty acid status in young broilers. Proceedings - Australia Poultry Science Symposium 14:148-151.

SECTION 4 - Books and book chapters

1. Balasuriya N, Rupasinghe V.H.P, Wang Y. 2017. Prevention of Type 2 Diabetes by Phenolic Constituents of Fruits. In: Nutritional Antioxidant Therapies: treatments and perspectives.
2. Nair S, Wang Y. 2013. A new Perspective on the development of cholesterol-lowering products. In: Using Old Solutions to new Problems – Natural Drug Discovery in the 21st Century. Editor: Marianna Kulka. Intech, Croatia, European Union.
3. Wang Y. 2010. Obesity and related disorders In: Functional Food Product Development. Editors: by Jim Smith and Edward Charter. Wiley Blackwell, OX, UK.
4. Demmers T, Jones P, Wang Y, Krug S, Creutzinger V, Heubi. 2006. Longer Term Effects of Early Cholesterol Intake on Cholesterol Biosynthesis and Plasma Lipids: A Randomized Clinical Trial. In: Early Nutrition and Its Later Consequences: New opportunities. Editors: Berthold Koletzko, Peter Dodds, Hans Akerblom, Margaret Ashwell. Springer Science, Houten, Netherlands.

SECTION 5 - Technical Reports

1. Wang Y. and Anil Puttaswamy. March 2017. Final project report "Effect of four diets on energy metabolism in adult rat model (2)". Nestle PetCare Research Centre, St. Louis, Missouri, USA.
2. Wang, Y. March 2017. Project final report "In vivo Evaluation of Antidiabetic Effects of Six Plant Extracts in Mice". True Spring Pharmaceuticals Inc. Charlottetown, PEI, Canada.
3. Wang, Y. March 2017. Project final report "In vitro evaluation of six lead extracts on protein synthesis and degradation. OmniActives Health Technologies Inc. Canada, Charlottetown, PEI, Canada.
4. Wang Y. and Locke S. October 2016. Final project report "The 2nd stability evaluation of ginsenosides and catechins in a product of ginsenosides complex". Neurodyn, Charlottetown, PEI, Canada.
5. Wang Y. and Locke S. April 2016. Final project report "The 1st stability evaluation of ginsenosides and catechins in a product of ginsenosides complex". Neurodyn, Charlottetown, PEI, Canada.
6. Wang Y. and Huang J. June 2015. Final project report "Effect of four diets on energy metabolism in adult rat model". Nestle PetCare Research Centre, St. Louis, Missouri, USA.
7. Wang Y. and Huang J. November 2015. Final project report "Effect of four diets on energy metabolism in rat model". Nestle PetCare Research Centre, St. Louis, Missouri, USA.
8. Wang Y. and Locke S. September 2015. Final project report "Analysis of ginsenosides in rat and mouse brain samples". Neurodyn, Charlottetown, PEI, Canada,
9. Wang Y. Huang J. and Puttaswamy A. March 2015. Final project report "Evaluation of indirect calorimetry system". NHP program, ACRD portfolio, National Research Council, Canada.
10. Wang Y. and Locke S. August 2015. Final project report: "Lipidomic analysis of resolvins, protectins and lipoxins in biological samples by LC-ESI tandem MS". NHP program, ACRD portfolio, National Research Council, Canada.

11. Wang Y. January 2015. Final report of technology review and recommendations on "Benefits of isomalto-oligosaccharides as a novel food ingredient". NHP program, ACRD portfolio, National Research Council, Canada.
12. Wang Y. July 2015. Final report of literature review on "Benefits of tamarind on diabetes, activity performance and sexual health". NHP program, ACRD portfolio, National Research Council, Canada and RPS Biologics, Charlottetown, PEI.
13. Wang Y. September 2015. Final report of literature review and recommended research for "Development of red lentil hulls as a functional ingredient for pet food". NHP program, ACRD portfolio, National Research Council, Canada. Submitted by Dr. Jeff Chisholm to Alliance Grain Traders (AGT), Regina, SK.
14. Wang Y, Roy M, Sha S and Nair S. 2015. Final project report "Development of antidiabetic and antiobese products from marine byproducts". Part of a team research grant "Development and commercialization of marine byproducts for use in animal and human nutrition and its application to the prevention of obesity, diabetes and neurodegeneration", funded by ACOA and led by Dr. Jacques Gagnon at CZRI, Shippagan, NB, Canada.
15. Wang Y, Puttaswamy A, Huang J. February 2014. Final project report "*In vivo* evaluation of weight-lowering effects of natural extracts". OmniActive Health Technologies Canada, Charlottetown, PEI, Canada.
16. Wang Y. July 2014. Final report "Review on berberine and phytosterols – information related to the product development for lipid-lowering and diabetes care". NHP program and BMS, ACRD portfolio, National Research Council, Canada.
17. Wang Y. October 2014. Final report "Patented products for metabolic syndrome of companion animals". NHP program and BMS, ACRD portfolio, National Research Council, Canada.
18. Yanwen Wang, October 2012. Final project report: "*In vitro* bioavailability evaluation of curcumin and its derivative products". OmniActive Health Technologies Canada, Charlottetown, PEI, Canada.
19. Wang Y. October 2012. Final project report: "Development of a cell-based bioassay for testing the inhibition of cholesterol absorption". Innovation PEI, Charlottetown, PEI, Canada.
20. Wang Y. 2012. Project report: "Effect of various rosehip products on obesity and and blood lipids in different rodent models". Part of the ICAN (AIF) team research grant funded by the ACOA, National Research Council of Canada, Charlottetown, PEI, Canada.
21. Wang Y, Kulka M, Zhang J, and Ewart S. 2011. Final project report: "Evaluation of tunicate extracts/fractions for their ability to modulate allergy/asthma, wound healing, and obesity-related disorders". Innovation PEI, Charlottetown, PEI, Canada.
22. Wang Y. March 2011. Final project report "Effect of flaxseed lignans on diabetes in mice of high-fat diet induced insulin resistance". Part of the TUFGEN grant "Bioavailability and synergistic health potentials of seleno-amino acids and other phytochemicals in soybean and flax seeds", funded by Genome Canada and led by Dr. Bourlaye Fofana at AAFC, Charlottetown, PEI, Canada.
23. Wang Y. 2010. Project final report "Screening of potato extracts on LDL cholesterol uptake". Part of the ABIP project, funded by AAFC and led by Drs. Tai and Pelletier at AAFC, Fredericton, NB, Canada.

24. Wang Y and Zhang J. 2010. Final project report "Chemical Profiling and Health Benefits of Haskap Berry Extracts". Innovation PEI and Phytocultures Ltd., Charlottetown, PEI, Canada.
25. Wang Y. Kulka M, Zhang J, Zidichouski J and Ewart S. 2009. Final project report "Discovery of Bio-products from Tunicates – phase II of III". Seafood Processors Association and PEI Agriculture and Fisheries Research Initiatives, Charlottetown, PEI, Canada.
26. Wang Y and Zidichouski J. 2009. Final project report: "Identification and Characterization of Bio-Active Compounds in PEI Mussels and Oysters". Seafood Processors Association, PEI Agriculture and Fisheries Research Initiatives, and PEI Shrimp Corporation, Charlottetown, PEI, Canada.
27. Wang Y. 2009-2012. Final project report: "*In vitro* Screening and verification of extracts from different potato varieties for their potentials of lowering blood cholesterol". Part of the team research grant "The Stream of Functional Food and Nutraceuticals" Funded by Agricultural and Agri-Food Canada (AAFC) - Agricultural Bioproducts innovation Program, led by Drs. Helen Tai and Yvan Pelletier at AAFC.
28. Wang Y and Ghanam K, 2006-11. Project final report: "Metabolic disorder platform - Development and validation of stable tracer methodology for measuring cholesterol absorption and synthesis as well as triacylglycerol fatty acid synthesis in hamster model". Part of the large team research grant "Atlantic Center for Bioproducts Valuation", funded by ACOA and led by Dr. Tarek Selah at UPEI, Charlottetown, PEI.

SECTION 6 - Invited Lectures

1. Invited lecture, June 2013. A new strategy to develop lipid-lowering products. Institute of Zoology, Chinese Academy of Science, Kunming, Yunnan, China. Financial support was provided.
2. Invited lecture, July 2012. A new strategy to develop effective lipid-lowering natural products. InnoBio, Dalian, Liaoning, China. Financial support was provided.
3. Invited lecture, July 2012. Potential of using Liuwei Dihuang (LWDH) to prevent/treat metabolic syndrome/disorders. Wanxi Pharmaceutical Co., Ltd., Nanyang, Henan, China. Financial support was provided.
4. Keynote speaker, October 2011. A new approach to developing lipid-lowering products. The 3rd Practical Short Course: Functional Food Product Development: Market, Regulations, Bioactive Compounds and Their Utilization (together with SupplySide West Trade Show), Las Vegas, NV, USA. Financial support was provided.
5. Invited seminar, October 2011. Potential of herbal products for weight management. Department of Biology, University of Moncton, Moncton, NB, Canada. Financial support was provided.
6. Keynote speaker, December 2010. A potential new generation of natural products for lowering blood lipids. The International Conference on Functional Foods and Diabetes. Seoul, South Korea. Financial was provided.
7. Invited seminar, March 2010. A new approach to developing lipid-lowering products. Department of Pharmacology, University of Montreal, Montreal, QC, Canada. Financial support was provided.

8. Invited seminar, March 2010. A new approach to developing lipid-lowering products. The INAF, Laval University, Quebec, QC, Canada. Financial support was provided.
9. Invited lecture, September 2010. Cholesterol metabolism and regulation. The Nova Scotia Agricultural College, Truro, NS, Canada. Financial support was provided.
10. Invited lecture, July 2010. A potential new generation of natural products for lowering blood lipids. International Conference on Edible Plants. Wulumuqi, Xinjiang, China. Financial support was provided.
11. Invited seminar, July 2010. A new strategy of developing lipid-lowering products. Chongqing Technology and Business University, Chongqing, China. Financial support was provided.
12. Invited lecture, December 2009. Future approaches in heart disease risk reduction: A new strategy to develop lipid-lowering products. Functional Foods for Heart Health: Continuum between Science and Commercialization. Winnipeg, Manitoba, Canada. Financial support was provided.
13. Invited seminar, May 2008. Development of natural products for the management of hyperlipidemia. PEI Health Research Institute Forum. Charlottetown, PE, Canada.
14. Invited seminar, May 2007. Development of novel lipid-lowering natural products. PEI Health Research Institute Forum. Charlottetown, PE, Canada.
15. Invited seminar, November 2006. Application of stable isotope tracer technology in human metabolic research. Atlantic Veterinary College, University of Prince Edward Island, Charlottetown, PE, Canada. No financial was involved as it is on the same campus.
16. Invited seminar, November 2005. Natural health products for obesity-related disorders. The Institute for Marine Biosciences, Halifax, NS, Canada. Financial was provided by NRC.
17. Invited lecture. October 2003 (on behalf of Dr. Peter Jones at McGill University). Conjugated linoleic acids (CLA) and human body weight and composition. Conference on the Role of Conjugated Linoleic Acid in Human Health: Research Progress. Toronto, ON, Canada. Financial support was provided.
18. Invited lecture, March 2003 (on behalf of Dr. Peter Jones at McGill University). Conjugated linoleic acids and body weight/composition. Conference on the Role of Conjugated Linoleic Acid in Human Health. Winnipeg, MB, Canada. Financial support was provided.