

QING-LI WU

Department of Plant Biology and Pathology
Rutgers University, 59 Dudley Road, New Brunswick, NJ 08901

E-Mail: qlwu@aesop.rutgers.edu

Telephone: (732) 932-9711 ext. 367

Fax: (732) 932-9441

EDUCATION

Postdoctoral Fellow in Department of Psychiatry, Harvard Medical School, 1999-2001.

Ph.D. in natural products chemistry and chemtaxonomy, Peking Union Medical College and Chinese Academy of Medical Sciences, China, 1997

PROFESSIONAL EXPERIENCE

2005-present, Assistant Research Professor, New Use Agriculture & Natural Plant Products Program and Department of Plant Biology and Pathology, Rutgers University

2001-2005, Research Associate, Department of Plant Sciences, Rutgers University.

1997-1999, Assistant professor, Institute of Medicinal Plant Development, Peking Union Medical College and Chinese Academy of Medical Sciences, China

AWARDS AND HONOR

2005-current: Developed collaboration with Prof. P.G. Xiao in Key Laboratory, Institute of Medicinal Plant Development (IMPLAD), Chinese Academy of Medical Sciences in investigation on Traditional Chinese Medicine and involving co-training graduate students, and in 2008, I was honored as visiting professor.

State Administration of Traditional Chinese Medicine (SATCM), Awarded Silver Prize for Master's Thesis: *Species Systematization and Quality Evaluation of Common used Traditional Chinese Drugs* (12/1995).

AFFILIATION

Sino-American Pharmaceutical Professionals Association (SAPA)

American Chemical Society (ACS)

GRANTS

Federal Competitive Grants:

2007-2012. Complementary and Alternative Medicine (CERC) for Alzheimer's disease With an Emphasis on grape derived polyphenol. National Institute of Health (NIH). Prime Award No. 1 PO1 AT004511-01. 09/30/07-09/29/2012.

As team member of Bioanalytical and Bioavailability research program with Purdue University and NY Mt. Sinai Medical Center, Rutgers provides the leadership in (1) characterizing and screening the raw materials used in this CERC project, for the polyphenols in the grape samples (grape fruit, grape seed, grape extracts, grape juice, grape fractions); (2) provide assistance to Purdue in chemical analysis of the grape metabolites in human plasma; and (3) archiving and authentication of the raw materials from grape and wine and providing quality control oversight and guidelines for the botanical products. Simon, J.E. and WQL Wu (PI's at Rutgers). Rutgers research as subcontract with Purdue University from Mt. Sinai. \$372,625.

2005-2010. National Botanical Center for Age-Related Diseases (with Purdue University and University of Alabama as the lead institutions). NIH-OD-00-04. Project Period: 04/15/2005-4/14/2010. Research focus is on botanical authentication, chemical analyses and natural product characterization and standardization for botanicals and extracts used in the research cores of this national botanical center. Our Rutgers unit leads the Botanical and Educational core of this center. We identify new and alternative plant sources for specific polyphenols, characterize new anti-inflammatory and provide the leadership in the botanical authentication using botanical taxonomic, molecular and chemical approaches, and technical support and advice on products, plant species, and botanical standardization. Simon, J.E. (PI) and Wu, Q-L. (Co-PI).

2008-2011. Chin, K.L. High Value Specialty and Ethnic Medicinal Crops for the Fresh and Processing Produce and Nutraceutical Industries. USDA SCRI grant to Southern University. Cooperators: Simon, J.E. (PI) and Q.L. Wu (co-PI) at Rutgers have subcontract for the chemistry work within this project. \$137,500.00. As the co-PI in this project, Wu will provide leadership in plant sampling and chemical analysis.

2006-current. Now working as a research team member in Partnership in Food Industry Development for Natural Products, a USAID sponsored research and development program in sub-Saharan Africa. Wu's leadership is in development of standards and chemical characterization of new and traditional African medicinal plant products (Griffonia, Voacanga, Kombo); flavorings, spices and herbal teas (Grains of Paradise, hibiscus, paprika and chilis) anti-malarials (*Artemisia annua*) and nutritional dietary supplements to improve human nutrition (Moringa). Wu leads the analytical core of this team.

2005.-2007. Moudgil, K (PI). Modulation of Autoimmunity by Green tea Polyphenols. National Institute of Health SBIR Phase II Grant to University of Maryland. Cooperators: Simon, J.E. (PI) and Q.L. Wu (co-PI) at Rutgers have subcontract for the chemistry and botanical standardization work within this project. Subcontract between Univ. Of Maryland and Rutgers. \$82,516.00.

2002. Wu, Q.L. and Simon, J.E. et al. Pilot grant of \$10,000.00 from NIH sponsored Purdue-UAB Botanical Center for purchasing laboratory facility.

2001-2005. Botanical Center and Age-Related Diseases founded by NIH (OD-00-004, Amount: \$8 million, Period: 01/01/00-12/31/05). The Center focused the diverse basic research and educational strengths on characterization the active ingredients in botanical with the emphasis on polyphenolics and determine their efficiency in reducing risk of age-related diseases including osteoporosis, cancer, cardiovascular disease, and neurodegeneration. As a member of Botanical Core, my responsibilities were to provide the leadership in plant identification, plant sample sourcing and processing, and providing quality control and method development for biological ingredients in the plant samples used in the Botanical Center. (Simon, J.E. as co-PI in Rutgers).

2006. USAID and Foundation grants to support research in anti-malarials (*Artemisia*) and nutritional dietary supplements to improve human nutrition (moringa).

External Industry and/or NGO Grants:

2008. Novartis Company. Provided leadership in obtaining a donation of an

excellent LC/MS system including a Triple Quadrupole MicroMass Ultima, Waters HPLC and operation software, approximately value of \$500,000.00 and led to install the instrument. (Wu served as PI and core contact that led to the procurement of this instrument)

2008. Continue providing leadership in quality control (QC) research and service for Herbalist and Alchemist, Inc., \$18,000. (Wu serves as PI and Simon serves as co-PI)

2008, Xechem, Inc. Support of Natural Products Chemistry and Product Standardization. \$35,000.
(J.E. Simon and Q.L. Wu)

2008. Sleepy Hollow Farms. Provided leadership in quality control in goldenseal for alkaloids. \$1,450. 00. (Wu and Simon, co-PIs)

2008. A.M. Todd Company. Provided leadership in quality control for 5-HTP products. \$1,000.00. (Wu and Simon, co-PIs)

2008. Response Products. Participated to developed processing method for Enrichment of CMO from Kombo Butter. \$17,000.00. (Simon and Wu, co-PIs)

2008. Wenbin Den's Lab, Department of Cell Biology and Human Anatomy, UC Davis. Provided leadership in collaboration on quality control on natural products for biological study and obtain donation of various supplies of value \$6,000.00.

2007, Xechem, Inc. Participated to obtain donation of various laboratory instruments of value \$210,450.00 and grant of \$75,000.00.

2007, Response Products, Inc. Provided leadership in method development for enriching CMO from kombo butter, \$25,000.00

2007. Herbalist and Alchemist, Inc. Continue to provided leadership in quality control (QC) research and service, \$18,000.

2007, Provid, Inc. Provided leadership in chemical analysis based upon

utilization of the HPLC/UV/MS System, \$5,000.00.

2006. Herbalist and Alchemist, Inc. Provided leadership in quality control (QC) research and service, \$18,000.

2006. Covance Company. Provided leadership in obtaining a donation of an excellent TRIPLE QUAD MS instrument, approximately value of \$400,000 and led to install the instrument.

2004. New Jersey Soy Council. Participated to help analysis of soy is flavones in different soy varieties collected from New Jersey farm, \$3,500.

2004-2005. Sleepy Hollow Farms. USDA-SBIR Phase II. Provided leadership in quality control in goldenseal for alkaloids. \$25,000.

TEACHING AND TRAINING RESPONSIBILITY

Medicinal Plant (Fall Semester 11:776:312).

Plant and Human health (Spring Semester 11:015:408).

Herbal Medicines and Nutraceuticals (Fall Semester 30:715:453).

Supervise graduate students and postdoctoral fellows

PUBLICATION LIST

Journal Articles:

1. Vingdeux, V., H. Zhao, P. Chandakkar, Q. Wu, J. E. Simon, E. M. Janle, J. Lobo, M. G. Ferruzzi, P. Davies, and P. Marambaud. 2009. AMPK signaling activation by resveratrol controls Abeta accumulation *in vivo*. Submitted for publication.
2. Qing-Li Wu, Yong-Hong Yang and James E. Simon (2009). Chemical profiling and quantification of isoflavones in kudzu by LC/UV/MS. Journal of chromatography A. (ready to submit, internally reviewed).
3. Coppin, J.P., Xu, Y.P., Chen, H., Juliani, J., Wu Q.L., Simon, J.E (2009). Determination of flavonoids in *Moringa oleifera* by LC/UV/MSD. J. Agricultural and Food Chemistry, (ready to submit, internally reviewed)
4. Shen, D., M.H. Pan, Q.L. Wu, C.H. Park, H.R. Juliani, C.K. Welch and J.E. Simon (2009). Identification of the Anti-Inflammatory bioactive Compounds in Oregano (*Origanum spp.*) and their simultaneous quantitation by LC/MS.

- J. Agric. Food Chemistry (ready to submit, internally reviewed).
5. M.F.Wang, Shen, H.R. Juliani, C.H. Park, L. Zhang, Q.L. Wu and J.E. Simon (2009). HPLC Method on Phenolic Compound Determination in Different Mints (*Mentha* spp.). J. Agric. Food Chemistry (ready to submit, internally reviewed).
 6. Diandian Shen, Qing-Li Wu, William J. Sciarappa, Edmond Lavoie J. and Jame E. Simon (2009), An Analytical Survey of Isoflavones in Tofu-type Soybeans Cultivated in North America, Food chemistry, (submitted).
 7. Mario G. Ferruzzi, Jessica K. Lobo, Elsa Janle, Bruce Cooper, James E. Simon, Qing-Li Wu, Cara Welch, Lap Ho, Connie Weaver and Giulio M. Pasinetti (2009). Bioavailability of catechins and gallic acid from grape seed extract is improved by repeated dosing in rats. Journal of Alzheimer Disease (in press).
 8. H. Rodolfo Juliani, Cara R. Welch, Qing-Li Wu, Babou Diouf, Diatta Malainy, James E. Simon (2008). Chemistry and quality of hibiscus (*Hibiscus sabdariffa*) for developing the natural product industry in Senegal, Journal of Food Science (proof returned, in press).
 9. Min-Hui Li, Jian-Min Chen, Yong Peng, Qingli Wu, Pei-Gen Xiao (2008). Investigation of Danshen and related medicinal plants in China. Journal of Ethnopharmacology 120:419
 10. H.R. Kim, R. Rajaiah, Q.L. Wu, S.R. Satpute, J.E. Simon, B.M. Berman and K.D. Moudgil (2008). Modulation of autoimmune arthritis by polyphenols of green tea (*Camellia sinensis*) involves the suppression of pro-inflammatory IL-17 and the induction of immunoregulatory IL-10 cytokine response. Journal of Nutrition, 138(11):2111-2116.
 11. Cara Welch, Qing-Li Wu and James E. Simon (2007). Recent Advances on Anthocyanin Analysis and Characterization. Current Analytical Chemistry, 4: 75-101. **(Wu was invited as senior author)**.
 12. Cheng, K.W., Q.L. Wu, J.E. Simon, F. Chen and M. Wang (2007). Inhibitory Effect of Fruit Extract on the Formation of Heterocyclic Amines. J. Agricultural and Food Chemistry, 55(25):10359-65.
 13. Qing-Li Wu, Yong-Hong Yang and Jame E. Simon (2007). Determination of Proanthocyanidins in Areca Nuts by High-performance Liquid Chromatography Combined with Mass Spectrometry, Chemistry and Biodiversity, 4, 2817.
 14. Wang, M., K.W. Cheng, Qing-Li Wu and J.E. Simon (2007). Quantification

of nepetalactones in catnip (*Nepeta cataria* L.) by HPLC coupled with ultraviolet and mass spectrometric detection. Phytochemical Analysis. 18 (2): 157-160.

15. Diandian Shen, Qing-Li Wu, Ming-Fu Wang, Yong-Hong Yang, Edmond Lavoie J. and Jame E. Simon (2006), Quantification of the Predominant Catechins in Leaves of *Acacia Catechu* by LC/ESI-MS. Journal of Food and Agricultural Chemistry, 54: 3219-3224.
16. Zhongze Ma, Qing-Li Wu, David Y. W. Lee, Micheal Tracy and Scott E. Lukas. (2005): Determination of puerarin in human plasma by high performance liquid chromatography. Journal of chromatography B, 823: 108-114.
17. Mingfu Wang, ChungHeon Park, Qing-Li Wu, and James E. Simon. (2005): Analysis of Artemisin in *Artemisia annua* L. by LC-MS with selected Ion monitoring. Journal of Food and Agricultural Chemistry, 53: 7010-7013.
18. Qing-Li Wu, Mingfu Wang and James E. Simon. (2005): Liquid chromatographic/mass spectrometric determination of proanthocyanidins in fresh grape and grape products. Rapid Communications in Mass Spectrometry, 19: 2062-2068.
19. Qing-Li Wu, Mingfu Wang and James E. Simon. (2004): Analytical methods to determine phytoestrogenic compounds. Journal of chromatography B, 812: 325-355 (**Wu was invited as senior author**).
20. Qing-Li Wu, Mingfu Wang, William J. Sciarappa and James E. Simon. (2004): LC/UV/ESI-MS analysis of isoflavones in Edamame and Tofu soybeans. Journal of Agricultural and Food Chemistry, 52: 2763-2769.
21. Qing-Li Wu, Mingfu Wang and James E. Simon. (2003): Determination of isoflavones in red clover and related species by high-performance liquid chromatography combined with ultraviolet and mass spectrometric detection. Journal of chromatography A, 1016: 195-209.
22. Mingfu Wang, Yaakov Tadmor, Qing-Li Wu, Chee-Kok Chin, Stephen A. Garrison and James E. Simon (2003). Quantification of protodioscin and rutin in asparagus shoots by LC/MS and HPLC Methods, Journal of Agricultural and Food Chemistry, 51: 6132-6136.
23. Qing-Li Wu, Mingfu Wang and James E. Simon. (2003): Determination of Proanthocyanidins in Grape Products by Liquid Chromatography/Mass Spectrometric Detection under Low Collision Energy, Analytical Chemistry, 75: 2440-2444.

24. David E. Zaurov, James E. Simon, Chungheon Park, Wudeneh Letchamo, Qing-Li Wu, Ming-Fu Wang, Igor V. Belolipov and Ishenbay Sodobekov. (2002): Medicinal plants from central and western Asia, Korean J. Medicinal Crop Sci. 10: 277-283.
25. Shi-chun Yu, Qing-Li Wu, Li-wei Wang and Pei-gen Xiao. (1999): Flavonoid Glycosides from *Thalictrum przewalskii*. Journal of Asian Natural Products Research, 1: 301-306.
26. Shi-chun Yu, Qing-Li Wu, Li-wei Wang and Pei-gen Xiao. (1999): Constituents from *Thalictrum smithii*. Zhong Cao Yao, 30 (5): 321-323.
27. Shi-chun Yu, Qing-Li Wu, Li-wei Wang and Pei-gen Xiao. (1999): New Triterpene Glycosides from *Thalictrum smithii*. Chinese Chemical Letters, 10 (6): 485-486.
28. Shi-chun Yu, Qing-Li Wu, Li-wei Wang and Pei-gen Xiao. (1998): New Flavonoid Glycosides from *Thalictrum przewalskii*. Chinese Chemical Letters, 10 (4): 295-296.
29. Qing-Li Wu, Sheng-ping Wang, Li-jun Du, Jun-shan Yang and Pei-gen Xiao. Constituents of *Hypericum*, (1998): Phytotherapy Research, 12, S164-S168.
30. Qing-Li Wu, Sheng-ping Wang, Jun-shan Yang and Pei-gen Xiao. Flavonoids from *Hypericum henryi*, (1998): Natural Products Research and Development, 10 (4): 15-18.
31. Qing-Li Wu, Sheng-ping Wang, Li-jun Du, Jun-shan Yang and Pei-gen Xiao. (1998): xanthenes from *Hypericum japonicum* and *H. henryi*. Phytochemistry, 49(5): 1395-1402.
32. Qing-Li Wu, Sheng-ping Wang, Yong-hong Liao, Li-jun Du, Jun-shan Yang and Pei-gen Xiao. (1998): New Phloroglucinol Glycosides from *Hypericum japonicum*. Chinese Chemical Letters, 9 (5): 469-470.
33. Qing-Li Wu, Sheng-ping Wang, Li-jun Du, Jun-shan Yang and Pei-gen Xiao. (1998): Chromone Glycosides and Flavonols from *Hypericum japonicum* Thunb. ex Murray. Phytochemistry, 49(5), 1417-1420.
34. Qing-Li Wu, Yong-hong Liao, Sheng-ping Wang, Li-wei Wang, Yu-xiu Feng, Jun-shan Yang, Pei-gen Xiao and Shao-liang Hong. (1997): New Prenylatedflavonol from *Hypericum japonicum*. Chinese Chemical Letters, 8(4): 317-318.
35. Qing-Li Wu, Sheng-ping Wang, Guang-zhong Tu, Jun-shan Yang and Yu-xiu Feng. (1997): Alkaloids from *Piper puberulum*. Phytochemistry, 44(4): 727-730.

36. Qing-Li Wu, Yong-hong Liao, Sheng-ping Wang, Li-wei Wang, Yu-xiu Feng, Jun-shan Yang, Pei-gen Xiao and Shao-liang Hong. (1997): New Chromone Glycosides from *Hypericum japonicum*. Chinese Chemical Letters, 8(1): 41-42.
37. Qing-Li Wu, Yong-hong Liao, Sheng-ping Wang, Li-wei Wang, Yu-xiu Feng, Jun-shan Yang, Pei-gen Xiao and Shao-liang Hong. (1996): Novel Pyrones from *Hypericum japonicum*. Chinese Chemical Letters, 7(11): 1011-1012.
38. Qing-Li Wu, Sheng-ping Wang, Jun-shan Yang and Yu-xiu Feng. Chemical Study on *Piper* (Piperaceae). (1998): Natural Products Research and Development, (Review). 10(2): 84-89.
39. Qing-Li Wu, Sheng-ping Wang, Jun-shan Yang and Pei-gen Xiao. (1998): Pharmacological Study on *Hypericum* (Clusiaceae). Zhong Cao Yao, (a review). 29, supplement 135-137.
40. Qing-Li Wu, Sheng-ping Wang, Yong-hong Liao, Li-wei Wang, Yu-xiu Feng, Jun-shan Yang, Pei-gen Xiao and Shao-liang Hong. (1996): New Constituents from *Hypericum japonicum*. Chinese Chemical Letters, 7(12): 1095-1096.
41. Qing-Li Wu, Jun-shan Yang and Yu-xiu Feng. (1994): Two New Alkaloids from *Piper puberulum*. Chinese Chemical Letters, 5 (3): 203-206.
42. Qing-Li Wu and Yu-xiu Feng. (1994): Comparative Study on Constituents of Essential Oil from Traditional Chinese Drugs Haifenteng Attributed to *Piper*. Natural Products Research and Development, 6 (3): 9-16.
43. Qing-Li Wu and Yu-xiu Feng. Lignans from *Piper* Genus (Piperaceae) and their Bioactivity. 1994. World Notes on Plant Medicine. (Review). 9 (2): 51-56
44. Zhu-hua Wu, Chuan-fu Cheng and Qing-Li Wu. (1991): Pharmacognostic study of "Xin-Yi" (*Magnolia*) in Anhui. China Journal of Chinese Materia Medica. 16: 13-17.

Patent:

45. 2009. Wu, Qing-Li, Wenbin Deng and James E. Simon. Office of Corporate Liaison and Technology Transfer, Rutgers University Docket Number. 09-041 Uses of African Plant Extract and Derived Compounds as Novel Neuroprotective Agents. 37 pages. Provisional patent being filed by Rutgers OTL.

46. 2009. Wu, Qing-Li, Cara Welch and James E. Simon. Office of Corporate Liaison and Technology Transfer, Novel Type Alkaloids as Lowering Blood Glucose Agents and Their Preparation from African Herb Tea (in preparation).

Book Chapters:

47. Swami Nathan, Prema Tripathy, Qingli Wu, and Faith C. Belanger (2008). In, Juliani H.R., J.E. Simon and C.T. Ho (eds). African Natural Plant Products: New Discoveries and Challenges in Chemistry and Quality. American Chemical Society ACS Symposium Series of Herbs, ACS Press, Washington, D.C. USA: (accepted).
48. Liang Zhou, Qing-Li Wu, James E. Simon, Chun-Yu Liu, Jun-Shan Yang, Yong-Hong Liao (2008), Phytochemistry and Quality Control of Black Cohosh, other Medicinal *Cimicifuga* species and Their Derived Products, pp. 59-99. In: 2008. Ho, C.T., J.E. Simon, F. Shahidi and Y. Shao (eds). Dietary Supplements. American Chemical Society Symposium Series 987. American Chemical Society, Washington, D.C. USA. Pp. 59-99
49. William J. Sciarappa, Laura K. Hunsberger, Diandian Shen, Qing-Li Wu, Jim Simon, and Brian Hulme, (2007): Evaluation of Edamame Cultivars in New Jersey and Maryland, New Crops and New Uses, Editor by J. Janick and A Whipkey, Published by ASHS Pres. Pp.223-227.
50. Chung-Heon Park, Pirre Tannous, H. Rodolfo Juliani, Qing-Li Wu, William J. Sciarappa, Rick Van Vranken, Peter Nitzsche, Dennis Dalponte, and Jim Simon, (2007): Catnip as Source of Essential Oils, New Crops and New Uses, Editor by J. Janick and A Whipkey, Published by ASHS Pres. Pp. 311-315.
51. Mingfu Wang, Chia-pei Liang, Qing-Li Wu, James E. Simon and Chi-Tang Ho, (2006): Instrumental Analysis of Popular Botanical Products in the US Market, ACS Symposium Series of Herbs: Challenges in Chemistry and Biology, Editor by Mingfu Wang, Shengming Sang, Chi-Tang Ho, Published by ACS. pp. 39-54.
52. Mingfu Wang, Yi Jin, Qing-Li Wu, James E. Simon and Chi-Tang Ho. Chemistry, Pharmacology and quality control of selected popular oriental

herbs in the US market in Asian Functional Foods, CRC Press, 2005.

53. Qing-Li Wu, Mingfu Wang, James E. Simon Shi-Chun Yu, Pei-Gen Xiao and Chi-Tang Ho, (2003): Studies on the chemical Constituents of Loquat Leaves (*Eriobotrya japonica*), ACS Symposium Series of Oriental Herbs, Editor by Chi-Tang Ho, Published by ACS. pp. 292-306.
54. Qing-Li Wu and Yu-Xiu Feng, (2002): Haifengteng (*Kiper kadsura*) in Species Systematization and Quality Evaluation of Commonly used Chinese Traditional Drugs, Volume IV, People Health Press, Beijing, China. Pp. 455-522
55. Mingfu Wang, Qing-Li Wu, Yaakov Tadmor, James E. Simon, Sengmin Sang and Chi-Tang Ho, (2002): *Schisandra chinensis*: Chemistry and Analysis, ACS Symposium Series of Oriental Herbs, Editor by Chi-Tang Ho, Published by ACS. pp. 234-245.

Presentation on National and International Conferences and Invited Oral Presentation:

56. J.K. Lobo, M.G. Ferruzzi, E.M. Janle, N. Whittaker, B.R. Cooper, C.M. Weaver, J.E. Simon, Q. Wu, C. Welch, L. Ho, G.M. Pasinetti. [Bioavailability of gallic acid and catechins from neuroprotective grape seed extract is improved by repeated dosing in rats.](#) *Presented at Experimental Biology.* New Orleans, LA. **2009.**
57. Cara R. Welch, Qing-Li Wu, Slavko Komarnytsky, Ilya Raskin and James E. Simon. IDENTIFICATION OF THE BIOACTIVE CONSTITUENTS OF SENEGAL'S BUSH TEA, KINKELIBA (*COMBRETUM MICRANTHUM*). The 50th Anniversary Meeting of the American Society of Pharmacognosy (ASP). June 27, 2009. Honolulu, Hawaii, USA.
58. Qing-Li Wu, Cara R. Welch, Mario Ferruzzic, Lap Ho, Giulio Pasinetti and James E. Simon. Chemical Profiling of Polyphenols in Grape Wine and Grape Juice using LC/UV/MSD. The 50th Anniversary Meeting of the American Society of Pharmacognosy (ASP). June 27, 2009. Honolulu, Hawaii, USA.
59. Shen, D., Wu, Q. L. , Park, C. H. , Juliani, H. R. , Pan, M.H., Ho, C.T., Simon, J.E. .Investigation of Anti-inflammatory Compounds in *Origanum* spp. 236th ACS National Meeting & Exposition. Philadelphia, PA, USA,

August 17-21, 2008.

60. Welch, C.R., Wu Q.L., Pan, M.H., Ho, C.T., Simon, J.E. Complete Investigation into Kinkéliba (*Combretum micranthum*) for Bioactive compounds. 236th ACS National Meeting & Exposition. Philadelphia, PA, USA, August 17-21, 2008.
61. Xu, Y.P., Wu Q.L., Pan, M.H., Ho, C.T., Simon, J.E. Phytochemical Screening and Bioactive Properties of the Medicinal Plant Eyebright, *Euphrasia officinalis*. 236th ACS National Meeting & Exposition. Philadelphia, PA, USA, August 17-21, 2008. 236th ACS National Meeting & Exposition. Philadelphia, PA, USA, August 17-21, 2008.
62. Coppin, J.P., Xu, Y.P., Chen, H., Juliani, J., Wu Q.L., Simon, J.E. Determination of flavonoids in *Moringa Oleifera* by LC/UV/MSD. 236th ACS National Meeting & Exposition. Philadelphia, PA, USA, August 17-21, 2008. 236th ACS National Meeting & Exposition. Philadelphia, PA, USA, August 17-21, 2008.
63. Qing-Li Wu and James E. Simon. Development of Valuable Natural Products and Botanicals-*Case Studies on Polyphenol*. Invited oral presentation at Tea Research Institute, Chinese Academy of Agricultural Sciences, Hangzhou, China. July 15, 2008.
64. Qing-Li Wu and James E. Simon. The Status of Dietary Supplements, The Regulatory Environment and Phytomedicine Research in the USA. Invited oral presentation at School of Pharmacy, Jiaotong University, Shanghai, China. July 14, 2008.
65. Qing-Li Wu and James E. Simon. The Regulatory Environment, the Status of Dietary Supplements and Phytomedicines in the USA and Europe. Invited oral presentation at Institute of Medicinal Plant Development, Peking Union Medical College and Chinese Academy of Medical Sciences, Beijing, China. June 26, 2008.
66. Qing-Li Wu and James E. Simon. Medicinal Plants of Africa. Invited oral presentation at Institute of Medicinal Plant Development, Peking Union Medical College and Chinese Academy of Medical Sciences, Beijing, China. June 26, 2008.
67. Cara Welch, Qingli Wu, James E. Simon. Antioxidant Capacity and Anti-inflammatory Activity of Kinkéliba Polyphenols. Presented at the 8th Meeting of the Purdue/Alabama National Botanical Center. Birmingham, AL, March 2, 2008.

68. Yanping Xu, Qingli Wu, James E. Simon. Phytochemical investigation and Biactive Study on Eyebright (*Euphrasia officinalis*). Presented at the 8th Meeting of the Purdue/Alabama National Botanical Center. Birmingham, AL, March 2, 2008.
69. Diandian Shen, QingLi Wu, Chung-Heon Park, Rodolfo Juliani and James E. Simon. Development of Anti-inflammatory Agents from the Non-volatile Component of Oregano. Presented at the 8th Meeting of the Purdue/Alabama National Botanical Center. Birmingham, AL, March 2, 2008.
70. Simon, J.E., Q.L. Wu, R. Juliani, D. Acquaye, E. Jefthas. CHEMDRAWN XII. Stellenbosch University, Stellenbosch, South Africa. Dec. 03-07, 2007. The Role of Chemistry in Sustainable Agriculture and Human Wellbeing in Africa. Invited presentation on: Role of Chemistry and Natural Products to Improve Health and Nutrition in Africa.
71. Simon, J.E., Qing-Li Wu, Rodolfo Juliani. Future Role for Horticulture in Medicinal and Aromatic Plants. Keynote Speaker for the International Symposium on Medicinal and Nutraceutical Plants, Macon, Georgia. March 20, 2007.
72. Qing-Li Wu, and Jim Simon (2007), Chemical Analysis of Eyebright Using LC/UV/MS. Presented at the 7th Meeting of the Purdue/Alabama National Botanical Center. West Lafayette, IN, February 23, 2007.
73. Cara Welch, Qing-Li Wu, Rodolfo Juliani and Jim Simon (2007) Polyphenols from Hibiscus: A New Promising Source of Anthocyanins. Presented at the 7th Meeting of the Purdue/Alabama National Botanical Center. West Lafayette, IN, February 23, 2007.
74. Simon, J.E., Q.L. Wu, R. Juliani, D. Acquaye, E. Jefthas. CHEMDRAWN XII. 2007. Stellenbosch University, Stellenbosch, South Africa. Dec. 03-07, 2007. The Role of Chemistry in Sustainable Agriculture and Human Wellbeing in Africa. Invited presentation on: Role of Chemistry and Natural Products to Improve Health and Nutrition in Africa.
75. 2007. Simon, J.E., Qing-Li Wu, Rodolfo Juliani. Future Role for Horticulture in Medicinal and Aromatic Plants. Keynote Speaker for the International Symposium on Medicinal and Nutraceutical Plants, Macon, Georgia. March 20, 2007.
76. Simon, J.E., R. Juliani, M. Wang and Q.L. Wu. Botanicals for Energy in Beverages: Long Distance Learning sponsored by IFT. Feb, 2007.

77. Simon, J.E. R. Juliani, Q. L. Wu and R. Govindasamy. Natural Products for Health and Nutrition: Research Studies with Artemisia, Moringa and Kombo. Invited seminar, Departments of Food Science and Chemistry, University of Ghana, East Legon, Accra, Ghana. February, 2007.
78. William J. Sciarappa, Laura K. Hunsberger , Diandian Shen, Qing-Li Wu, Chung Park, Brian Hulme and Jim Simon. EVALUATION OF EDAMAME VARIETIES IN THE MID-ATLANTIC. 2006 AAIC Annual Meeting and 6th New Crops Symposium, San Diego, CA, October 14-18, 2006
79. J.E. Simon, C. Park, Q.L. Wu, M. Diatta, B. Diouf, B. Wilde, J. Asante-Dartey, D. Acquaye, C. Quansah, R. Akromah, C. Gibrain, G. Gbewonyo, J. Ferreira, P. Melillo de Magalhães, D. Shen, N. Hitimani, A. Daka, H. Malumo, J. Goliath, P. Langenhoven, R. Juliani and R. Govindasamy. ARTEMISIA ANNUA: PRODUCTION IN SUB-SAHARAN AFRICA. 2006 AAIC Annual Meeting and 6th New Crops Symposium, San Diego, CA, October 14-18, 2006.
80. James E. Simon, Chung Park, Qing-Li Wu, Pierre Tannous, William J. Sciarappa, Mingfu Wang, Rick W. Van Vranken , Peter Nitzsche and Rodolfo Juliani. CATMINT (*NEPETA* SPP.): AS A SOURCE OF ESSENTIAL OILS. 2006 AAIC Annual Meeting and 6th New Crops Symposium, San Diego, CA, October 14-18, 2006.
81. Qing-Li Wu and James E. Simon. Development of valuable natural products and botanicals-Case study of kudzu. Invited oral presentation on The 9th International Congress on Ethnopharmacology. Nanning, China, August 22-26, 2006.
82. Qing-Li Wu, Yong-hong Yang and James E. Simon. Chemical profiling and quantification of isoflavone phytoestrogens in kudzu using LC/UV/MSD. 54th ASMS Conference on Mass Spectrometry. Seattle, WA, may 28-June 1, 2006.
83. Qing-Li Wu, Yong-hong Yang and James E. Simon. Plant Sourcing of Isoflavone Enriched Kudzu Species (*Pueraria* spp.). Presented at the 6th Meeting of the Purdue/Alabama National Botanical Center. Birmingham, AL, March 3, 2006.

84. Diandian Shen, Qing-Li Wu and Jim Simon. Determination of the Predominant Catechins in *Acacia catechu* by LC/MS. Presented at the 6th Meeting of the Purdue/Alabama National Botanical Center. Birmingham, AL, March 3, 2006.
85. Diandian Shen, Qing-Li Wu and Jim Simon. An Analytical Survey of Isoflavones in Tofu-type Soybeans Cultivated in North America. Presented at the 6th Meeting of the Purdue/Alabama National Botanical Center. Birmingham, AL, March 3, 2006.
86. Qing-Li Wu and James E. Simon. Development of Natural Products and Botanicals for Health and medicine. Invited presentation at School of Chinese Medicine, Hong Kong Baptist University, Kowloon, HK. December 1, 2005.
87. Qing-Li Wu and James E. Simon. Modern Analytical Methodologies in Natural Products Chemistry, Case study on Phytoestrogens. Invited presentation at Institute of Medicinal Plant Development, Peking Union Medical College and Chinese Academy of Medical Sciences, Beijing, China. December, 2005.
88. Qing-Li Wu and James E. Simon. Modern Analytical Methodologies in Natural Products Chemistry, Purdue University-University of Alabama Botanical Center for Age Related Diseases, 2005 Workshop: Botanical Standardization of Medicinal Plants, Cook College, New Brunswick, NJ. October 20- 21, 2005.
89. Jim Simon, Qing-Li Wu, Mingfu Wang and Rodolfo Juliani. The World of Nutraceuticals- and Background of the New Use Agriculture & Natural Plant Products Program, Purdue University-University of Alabama Botanical Center for Age Related Diseases, 2005 Workshop: Botanical Standardization of Medicinal Plants, Cook College, New Brunswick, NJ. October 20- 21, 2005.
90. Jim Simon and Qing-Li Wu. Traceability and Botanical Standardization: Challenges and Approaches, Purdue University-University of Alabama Botanical Center for Age Related Diseases, 2005 Workshop: Botanical Standardization of Medicinal Plants, Cook College, New Brunswick, NJ.

October 20- 21, 2005.

91. Qing-Li Wu and James E. Simon. Development of Valuable Natural Products and Botanicals. Presented at Institute of Medicinal Plant Development, Peking Union Medical College and Chinese Academy of Medical Sciences, Beijing, China. August 24, 2005.
92. James E. Simon, Qing-Li Wu, Mingfu Wang and Rodolfo Juliani. Research, Discovery and Application of Natural Products for Health and Medicine. Gordon Conference, NH, July 10, 2005.
93. Qing-Li Wu, Yong-Hong Yang, MingFu Wang and James E. Simon. Determination of isoflavones in kudzu by LC/UV/MSD. Presented at the 5th Meeting of the Purdue/Alabama National Botanical Center. February 25-26, 2005.
94. Simon, J.E., Q.L. Wu, M. Wang and R. Juliani. Research, Discovery and Application of Natural Products for Health and Medicine. Invited opening speaker in Plant Chemistry and EthnoBotany, Plant Metabolic Engineering. Gordon Conference, Tilton, New Hampshire, July 10, 2005.
95. Simon, J.E., R. Govindasamy, R. Juliani, D. Acquaye, E. Jefthas, N. Hitimana, J. Goliath, P. Langenhoven, A.E. Daka, M. Diatta, J.Astante-Dartey, D.Alipoe, Q.L. Wu and C. Quansah. Sustainable Development: Natural Products and Medicinal Plants Sector Using a Science and Market-Driven Approach to Strengthen Demand. Building New Partnerships in the Global Food Chain. Experiences from North Africa, the Near East and Asia. A USAID and Univ. of Illinois Post-IAMA Workshop, June 29-30, 2005. Chicago, Ill. Simon also served as a co-Moderator with Scott Christiansen, USAID for the natural products session. (a special symposia paper has been requested for all presenters for publication).
96. Simon, J.E., E. Jefthas, D. Acquaye, R. Juliani, H. Moharram, P. Langenhoven, P. Tannous & M. Wang, Q.L Wu, E. Renaud, B. Neimark, D. Alipoe, K. Chin, J. Dartey-Asante, C. Quansah, M. Diatta, N. Hitimana and A. Daka. Natural Products: From Bush to Processed Product: Natural Products and Medicinal Plants Sector Developing the Market for Natural Products Using a Sustainable Approach. A Model for International Development. Invited presentation for the session on Sustainable Development. Trading morsels, Growing Hunger, Decimating Nature: Linking Food and Trade Development and the Environment. Princeton

Institute for International and Regional Studies, Princeton University, Princeton, New Jersey, February 24-26, 2005. (all invited papers now invited to submit a special symposia paper on the ASNAPP model for J. Food, People, Culture and Society).

97. Simon, J.E., R. Juliani, Q.L. Wu and M. Wang. Processing Technologies and Packaging Systems – From the Simple to Complex. Making Quality Matter Workshop, ASNAPP, Accra, Ghana, June, 2005.
98. Simon, J.E., C.h. Park, Q.L. Wu and M. Wang. The anti-malarial *Artemesia annua*: From Botany and Biology, through Chemistry and Pharmacology to Production, Processing and Post-harvest handling. Making Quality Matter Workshop, ASNAPP, Accra, Ghana, June, 2005.
100. Simon, J.E., M. Wang, R. Juliani, Q.L. Wu, H. Moharram and M. Rafi. Research, Discovery and Application of Natural Products for Health and Medicine. Campinas, Brazil, 2004.
101. Simon, J.E., M. Wang and Q-L. Wu. New Trends in the Research, Discovery and Application of Natural Products for Health and Medicine. Presented at the Laboratorio de Fitofármacos. Hospital de Especialidades Centro Médico Nacional Siglo XXI, IMSS. April 28, 2004, Mexico City, Mexico.
102. Simon, J.E., M. Wang, Q-L. Wu, R. Juliani, H. Moharram and P. Tannous. Quality Control Issues Facing Botanicals and Dietary Supplements. Presented at the Laboratorio de Fitofármacos. Hospital de Especialidades Centro Médico Nacional Siglo XXI, IMSS. April 28, 2004, Mexico City, Mexico.
103. Simon, J.E., H. Moharram, M. Wang, Q.L. Wu, P. Tannous, and R. Juliani. Strategies for Commercializing Plants Targeted for Natural Products. April 01, 2004. Dupont Chemical Science and Engineering Division. Dupont Central Research and Development Experiment Station, Wilmington, Delaware (industry invitation).
106. 2004. Simon, J.E., M. Wang, Q.-L. Wu, C.K. Chin, S. Garrison, B. Sciarappa, P. Nitzsche, T.C. Lee, W. Kline and R. VanVranken. New Products from Asparagus, Artichokes, Edamame Soy and Herbs Presentation for the Annual Meeting of the New Jersey Vegetable Growers, New Jersey Farm Bureau. Atlantic City, NJ. January 12, 2004.
107. Qing-Li Wu, MingFu Wang and James E. Simon. LC/MS Determination of proanthocyanidins in fresh grape and grape products. Presented at the 4th

- Meeting of the Purdue/Alabama National Botanical Center. February 25-26, 2004.
108. Qing-Li Wu, MingFu Wang and James E. Simon. LC/MS Determination of proanthocyanidins in areca nuts by high-performance liquid chromatography combined with electrospray ionization ion trap mass spectrometry. Presented at the 4th Meeting of the Purdue/Alabama National Botanical Center. February 25-26, 2004.
 109. Qing-Li Wu, MingFu Wang and James E. Simon. Determination of Isoflavones in Red Clover and Related Species by LC/UV/ESI-MS, American Chemical Society Annual Meetings, New York, NY, Sept. 8-11, 2003 (invited oral presentation).
 110. Qing-Li Wu, M. Wang, J. Kapteyn, R. Juliani, and J.E. Simon. Quality Control in Botanicals & Herbal Drugs and Issues Facing Botanicals Used in the Natural Products/Nutraceuticals Industry. Invited Lecture and Workshop. Sept 25-26, 2003, Purdue University, West Lafayette, IN.
 111. William J. Sciarappa, Peter Nitzsche, Qing-Li Wu, Ming-Fu Wang, Jim Simon and Tung-Ching Lee, Phytochemistry and Horticultural properties of 16 Edamame Soybean Varieties. Annual Meeting of the American Society for Horticultural Science, Providence, Rhode Island. October 06, 2003.
 112. MingFu Wang, Rodolfo Juliani, Qing-Li Wu and James E. Simon. Analysis of flavonoids and rosmarinic acid contents in different varieties of mint by HPLC and LC-MS Methods. American Chemical Society Annual Meetings, New York, NY, Sept. 8-11, 2003 (invited oral presentation).
 113. Ming-Fu Wang, Qing-Li Wu, Jerimy Kapteyn, Rodolfo Juliani and J.E.Simon. Health Promoting Components in Asparagus, Artichokes and Other Foods. Foods for Health: A Look To the Future. For Health Care Professionals, Nurses, Dieticians and Health Care and Extension Specialists. Rutgers University, New Brunswick, NJ. September 10, 2003.
 114. Qing-Li Wu, Ming-Fu Wang, James E. Simon. Determination of Isoflavones in Red Clover and Related Species by LC/UV/MSD. Presented at the 3rd Meeting of the Purdue/Alabama National Botanical Center. February 25-26, 2003.
 115. Zhong-zhe Ma, David Y. W. Lee, Qing-Li Wu, SE Lukas, Determination of Puerarin in Human Plasma and Urine. American Chemical Society Annual Meetings, New York, NY, Sept. 8-11, 2003.
 116. Qing-Li Wu, Ming-Fu Wang, James E. Simon. LC/UV/ESI-MS Analysis of

- Isoflavones in Immature Fresh Soy Seeds. Presented at the 3rd Meeting of the Purdue/Alabama National Botanical Center. February 25-26, 2003.
117. Qing-Li Wu, Mingfu Wang, and James E. Simon, The Botanical Core, Method Development, and Determination of Isoflavones by LC/MSD. Presented as a distance-learning seminar to the Botanical Center Seminar Series, Purdue/Alabama/Rutgers. November 14, 2002.
 118. Qing-Li Wu, Ming-Fu Wang, Rodolfo Juliani, Adolfin Koroch, Jeremy Kapteyn, ChungHeon Park, David Rotter, Cicero Dechamps, Insong Han, Kobi Tadmor, Erica Renaud, Kathleen Shimomura and James E. Simon: New Use Agriculture and Natural Plant Products Program. 43rd Annual Meeting of the American Society of Pharmacognosy and 3rd Monroe Wall Symposium, New Brunswick, NJ. July 27-31, 2002.
 119. Qing-Li Wu, Ming-Fu Wang and James E. Simon. Determination of Proanthocyanidins in grape products by LC/MSD. 43rd Annual Meeting of the American Society of Pharmacognosy and 3rd Monroe Wall Symposium, New Brunswick, NJ. July 27-31, 2002.
 120. Qing-Li Wu, MingFu Wang and James E. Simon. LC/MS Determination of proanthocyanidins in grape products by LC/MSD. Presented at the 2nd Meeting of the Purdue/Alabama National Botanical Center. February 25-26, 2002.
 121. Qing-Li Wu, Mingfu Wang, and James E. Simon. The Botanical Core and Quantitative Determination of Monoproanthocyanidins and Estimation of Oligoproanthocyanidins in Grape Products by LC/MSD. Presented as a distance-learning seminar to the Botanical Center Seminar Series, Purdue/Alabama/Rutgers. December 20, 2001.
 122. Qing-Li Wu, Ming-Fu Wang, Rodolfo Juliani, Adolfin Koroch, Jeremy Kapteyn, Wudeneh Letchamo and James E. Simon. (2001): New Use Agriculture and Natural Plant Products Program. 5th National Symposium New Crops and New Uses: Strenght in Diversity, Atlanta, Georgia. Nov. 10-12. 2001.
 123. David Zaurov, James E. Simon, Qing-Li Wu and Ming-Fu Wang. Medicinal Plant from Central and Western Asia. 5th National Symposium New Crops and New Uses: Strenght in Diversity, Atlanta, Georgia. Nov. 10-12. 2001.
 124. Qing-Li Wu, J.E. Simon, R. Juliani, A. Koroch, J. Kapteyn, K. Shawe, K. Shimomura, and C.Santerre. Botanical Center and Age-Related Diseases. Core B. Botanical and Educational Outreach. Presented at the 1st Meeting

of the Purdue/Alabama National Botanical Center. February 25-26, 2001.

125. J. L. Neumeyer, J. Bergman, N. S. Kula, Qing-Li Wu, G. Leclerc, P. Nguyen and R. J. R. J. Baldessarini. Characterization of Novel D1 Partial-Agonists for the Treatment of Psychostimulant Addiction. 2000 Annual Meeting of Society for Neuroscience, P2153, 809.2, New Orleans, LA. November 4, 2000.
126. Qing-Li Wu, Yu-xiu Feng, Shao-mei Shun and Yu-Mei Shong, (1994): Pharmacognostic Study on *Piper* Species. The 3rd International Congress on Ethnopharmacology, Beijing, China, Sept. 6, 1994, C-28.