

Publications List

1. Randolph K and Kornman K. A nutrigenetics proof-of-principle study: 12 years of molecular genetics meets 70 years of nutrition science. *Nutrition*.2009;25(3):258-260.
2. Corren J, Lemay M, Lin Y, Rozga L, Randolph K. Clinical and biochemical effects of a combination botanical product (Clearguard™) for allergy: a pilot randomized double-blind placebo-controlled trial. *Nutrition Journal*. 2008;7:20.
3. Herman D, Vargas M, Lin Y. Strategies for successful weight management programs: what are the options? *Nutrition in Complementary Care*.2008;10(3):41, 44-48.
4. Kornman K, Rogus J, Roh-Schmidt H, Krempin D, Davies A, Grann K, Randolph K. Interleukin-1 genotype-selective inhibition of inflammatory mediators by a botanical: a nutrigenetics proof of concept. *Nutrition*. 2007;23(11-12):844-852.
5. Meskin M, Bidlack W, Randolph K (eds.). *Phytochemicals: Nutrient-Gene Interactions*. CRC Press, 2006.
6. Lemay M, et al. Anti-inflammatory phytochemicals: in vitro and ex vivo evaluation. In: *Phytochemicals: Nutrient-Gene Interactions*, CRC Press, 2006.
7. Randolph R, et al. Proof of concept for a nutrigenomic botanical for inflammation associated with genetic overexpression of IL-1. In: *Phytochemicals: Nutrient-Gene Interactions*, CRC Press, 2006.
8. Rozga L, et al. Proof of concept bioassay and clinical evidence for a botanical anti-allergy intervention. In: *Phytochemicals: Nutrient-Gene Interactions*, CRC Press, 2006.
9. Yuan Xiang-Nan, Shen Xiao-Yi, Li Ke-J i, et al. Multivitamin and mineral supplements on the quality of life of healthy persons. *China Mental Hygiene Journal*. 2006;20(8):506-509.
10. Brovelli E, Boucher A, Arnason J, Menon G, Johnson R. Effects of expression technology on physical parameters and phytochemical profile of Echinacea purpurea juice. *HortScience*. 2004; 39(1):146-148.
11. Lemay M, Murray M, Davies A, Roh-Schmidt H, Randolph R. In vitro and ex vivo cyclooxygenase inhibition by a hops extract. *Asia Pacific Journal of Clinical Nutrition*. 2004; 13:S110.
12. Meskin M, Bidlack W, Davies A, Lewis D, Randolph K (eds.). *Phytochemicals: Mechanisms of Action*. CRC Press, 2004.

13. Lemay M. Clinical research on dietary supplements. In: *Phytochemicals: Mechanisms of Action*, CRC Press, 2004.
14. Bone R, Landrum J, Guerra L, Ruiz C. Lutein and zeaxanthin dietary supplements raise macular pigment density and serum concentrations of these carotenoids in humans. *Journal of Nutrition*. 2003; 133(4):992-998.
15. Botero Omary M, Brovelli E, Pusateri D, David P, Rushing J, Fonseca J. Sulforaphane potential and vitamin C concentration in developing heads and leaves of broccoli (*Brassica oleracea* var. *italica*). *Journal of Food Quality*. 2003;26:523-530.
16. Brovelli E, Li Y, Chui K. Image analysis and cichoric acid level reflect drying conditions of *Echinacea purpurea*. *Journal of Herbs, Spices & Medicinal Plants*. 2003;10(2):19-24.
17. Johnson P. Acerola (*Malpighia glabra* L., *M. punicifolia* L., *M. emarginata* D.C.): agriculture, production & nutrition. *World Review in Nutrition & Dietetics*. 2003;91:67-75.
18. Randolph R, Gellenbeck K, Stonebrook K, Brovelli E, Qian Y, Bankaitis-Davis D, Cheronis J. Regulation of human immune gene expression as influenced by a commercial blended *Echinacea* product: preliminary studies. *Experimental Biology & Medicine*. 2003;228(9):1051-1056.
19. Meskin M, Bidlack W, Davies A, Omaye S (eds.). *Phytochemicals in Nutrition and Health*. CRC Press, 2002.
20. Murray M. A closer look at supplement bioavailability. *American Dietetic Association Nutrition in Complementary Care Newsletter*. Summer, 2002.
21. Veltri R, Marks L, Miller M, Bales W, Fan J, Macairan M, Epstein J, Partin A. Saw Palmetto alters nuclear measurements reflecting DNA content in men with symptomatic BPH: evidence for a possible molecular mechanism. *Urology*. 2002;60(4): 617-622.
22. Chandra A, Rana J, and Li Q. Separation, identification, quantification, and method validation of anthocyanins in botanical supplement raw materials by HPLC and HPLC-MS. *Journal of Agricultural & Food Chemistry*. 2001;49:3515-21.
23. David P. Separation of phytoestrogens in red clover by reverse phase HPLC with UV-visible and fluorescence detection. *Agilent Technologies*. March, 2001.
24. Hwang J, Hodis H, Sevanian A. Soy and alfalfa phytoestrogen extracts become potent low-density lipoprotein antioxidants in the presence of acerola cherry extract. *Journal of Agricultural & Food Chemistry*. 2001;49:308-14.

25. Jang Y, Lee J, Cho E, Chung N, Topham D, Balderston B. Differences in body fat distribution and antioxidant status in Korean men with cardiovascular disease and diabetes. *American Journal of Clinical Nutrition*. 2001;73:68-74.
26. Marks L, Hess D, Dorey F, Macairan L, Santos P, Tyler V. Tissue effects of saw palmetto and finasteride: use of biopsy cores for *in situ* quantification of prostatic androgens. *Urology*. 2001;57:999-1005.
27. Bidlack W, Meskin M, Omaye S, Topham D (eds.). *Phytochemicals as Bioactive Agents*. Technomic Publishing, 2000.
28. Bubrick P, Stonebrook K, Johnson P. Saw palmetto: critical review, chemistry and application. In: Bidlack W, Meskin M, Omaye S, Topham D (eds.). *Phytochemicals as Bioactive Agents*. Technomic Publishing, 2000.
29. Bone R, Landrum J, Dixon Z, Chen Y, and Llerena C. Lutein and zeaxanthin in the eyes, serum and diet of human subjects. *Experimental Eye Research*. 2000;71:239-45.
30. Conaway C, Getahun S, Liebes L, Pusateri D, Topham D, Botero-Omary M, Chung F. Disposition of glucosinolates and sulforaphane in humans after ingestion of steamed and fresh broccoli. *Nutrition & Cancer*. 2000;38(2):168-178.
31. Jang Y, Lee J, Kim O, Huh K, Topham D, Balderston B. Influence of alcohol consumption and smoking habits on cardiovascular risk factors and antioxidant status in healthy Korean men. *Nutrition Research*. 2000;20:1213-29.
32. Marks L, Partin A, Epstein J, Tyler V, Simon I, Macairan M, Chan T, Dorey F, Garris J, Veltri R, Santos P, Stonebrook K, DeKernion J. Effects of saw palmetto herbal blend in men with symptomatic benign prostatic hyperplasia. *Journal of Urology*. 2000;163:1451-56.
33. Schroder H, Navarro E, Tramullas A, Mora J, Galiano D. Nutrition antioxidant status and oxidative stress in professional basketball players: effects of a three compound antioxidative supplement. *International Journal of Sports Medicine*. 2000;21(2):145-50.
34. Bubrick P. Spinach alternatives for home use. *The Business of Herbs*. March, 1999.
35. Jang Y, Lee J, Kim O, Huh K, Topham D, Balderston B. Influence of age and obesity on visceral fat, muscle mass and cardiovascular risk factors in healthy Korean men. *Korean Journal of Lipidology*. 1999;9(4):393-405.
36. Jang Y, Lee J, Kim O, Huh K, Topham D, Balderston B. Relationship between plasma homocysteine levels and cardiovascular risk factors in healthy men. *Korean Circulation Journal*. 1999;92:135-145.

37. Jang Y, Lee J, Kim O, Huh K, Topham D, Balderston B. Changes in body fat distribution and antioxidant system in patients with coronary heart disease. *Korean Circulation Journal*. 1999;29(1):55-66.
38. Jang Y, Lee J, Kim O, Huh K, Topham D, Balderston B. Influence of alcohol consumption and smoking habits on cardiovascular risk factors and antioxidant status in healthy men. *Korean Journal of Medicine*. 1999;56(4):437-449.
39. Alcantara C. Drying rate effect on the properties of whey protein films. *Journal of Food Process Engineering*. 1998;21:387-405.
40. Bidlack W, Omaye S, Meskin M, Jahner D (eds.). *Phytochemicals: A New Paradigm*. Technomic Publishing, 1998.
41. Brovelli E, Brecht J, Cherman W, Sims C, Harrison J. Sensory and compositional attributes of melting and nonmelting flesh peaches for the fresh market. *Journal of Science in Food and Agriculture*. 1998;79:707-712.
42. Brovelli E, Cuppett S, Uhlinger R, Brecht J. Textural quality of green and white asparagus. *Journal of Food Quality*. 1998;21:497-504.
43. Bubrick P. Seed germination results. *The Business of Herbs*. November/December, 1998.
44. Calvert G, Jahner D, Stonebrook K. Research interest with botanicals. In: Nose H, Nadel ER, Morimoto T (eds.). *The 1997 Nagano Symposium on Sports Science*. Cooper Publishing Group, 1998.
45. Chiang W, Pusateri D, Leitz R. Gas chromatography/mass spectrometry method for the determination of sulforaphane and sulforaphane nitrite in broccoli. *Journal of Agricultural and Food Chemistry*. 1998;46:1018-21.
46. Gellenbeck K. Carotenoids: more than just beta-carotene. *Asia Pacific Journal of Clinical Nutrition*. 1998;7:277-81.
47. Magee, M, Jahner, D. Macronutrient fuels for sports and athletic performance. In: Nose H, Nadel ER, and Morimoto T (eds). *The 1997 Nagano Symposium on Sports Science*. Cooper Publishing Group, 1998.
48. Bubrick P. Acerola. *California Rare Fruit Growers - Fruit Facts* (www.crfg.org), 1996.
49. Buddington R, Williams C, Chen S, Witherly S. Dietary supplement of neosugar alters the fecal flora and decreases activities of some reductive enzymes in human subjects. *American Journal of Clinical Nutrition*. 1996;63:709-16.

50. Williams C, Witherly S, and Buddington R. Influence of dietary neosugar on selected bacterial groups in human faecal microbiota. *Microbial Ecology in Health and Disease*. 1994;7:91-7.
51. Lehto K, Bubrick P, Dawson WO. Time Course of TMV 30K protein accumulation in intact leaves. *Virology*. 1990;174:290-3.
52. Pusateri D, Roth W, Ross J, Shultz T. Dietary and hormonal evaluation of men at different risks for prostate cancer: plasma and fecal hormone-nutrient interrelationships. *American Journal of Clinical Nutrition*. 1990;51:371-7.
53. Ross J, Pusateri D, Schultz T. Dietary and hormonal evaluation of men at different risks for prostate cancer: fiber intake, excretion, and composition, with *in vitro* evidence for an association between steroid hormones and specific fiber components. *American Journal of Clinical Nutrition*. 1990;51:365-70.
54. Chapman D, Gellenbeck K. An historical perspective of algae biotechnology. *ALGOL and Cyanobacterial Biotechnology*. 1989;1:1-27.
55. Edwards D, Beegle B. No till liming effects on soil pH, corn grain yield and earleaf nutrient content. *Communications in Soil Science and Plant Analysis*. 1988;19:543-562.
56. Gellenbeck K, Kraemer G, McMurtry L, Chapman D. An experimental culture system for macroalgae and other aquatic life. *Aquaculture*. 1988;74:385-91.
57. Gellenbeck K, Chapman D. Feasibility of mariculture of the brown seaweed, *Sargassum muticum* (phaeophyta): growth and culture conditions, alginic acid content and conversion to methane. *Beihefte Zur Nova Hedwigia*. 1986;1:107-15.
58. Gellenbeck K, Chapman D. Seaweed uses: the outlook for mariculture. *Endeavour*. 1983;7:31-7.
59. Hall I, Dulmage H, Arakawa K. The susceptibility of the eye gnat *Hippelates collusor* to entomogenous bacteria and fungi. *Journal of Invertebrate Pathology*. 1972;19:28-31.
60. Chauthani A, Rehnberg C. Dosage mortality data on the nuclear polyhedrosis viruses of *Spodoptera exigua*, *Trichoplusia ni*, and *Prodenia ornithogalli*. *Journal of Invertebrate Pathology*. 1972;17:234-7.
61. Chauthani A, Snideman M, Rehnberg C. Comparison of commercially produced *Bacillus thuringiensis* var. *thuringiensis* with two bioassay techniques based on toxicity units. *Journal of Economic Entomology*. 1971;64:1291-3

62. Dulmage H, Boening O, Rehnberg C, Hansen G. A proposed standardized bioassay for formulations of *Bacillus thuringiensis* based on the International Unit. *Journal of Invertebrate Pathology*. 1971;18:240-5.
63. Miller R, Pickens L, Gordon C. Effect of *Bacillus thuringiensis* in cattle manure on house fly larvae. *Journal of Economic Entomology*. 1971;64:902-3.
64. Ikeshoji T, Mulla M. Overcrowding factors of mosquito larvae. 2. Growth-retarding and bacteriostatic effects of the overcrowding factors of mosquito larvae. *Journal of Economic Entomology*. 1970;63:1737-43.
65. Chauthani A, Claussen D, Rehnberg C. Dosage-mortality data on a nuclear-polyhedrosis virus of the bollworm, *Heliothis zea*. *Journal of Invertebrate Pathology*. 1968;12:335-8.
66. Chauthani A, Claussen D. Rearing Douglas-fir tussock moth larvae on synthetic media for the production of nuclear-polyhedrosis virus. *Journal of Economic Entomology*. 1968;61:101-3.
67. Chauthani A, Murphy D, Claussen D, Rehnberg C. The effect of human gastric juice on the pathogenicity of *Heliothis zea* nuclear-polyhedrosis virus. *Journal of Invertebrate Pathology*. 1968;12:145-7.
68. Chauthani AR. Bioassay technique for insect viruses. *Journal of Invertebrate Pathology*. 1968;11:242-5.
69. Chauthani A, Hamm J. Biology of the exotic parasite *Drino munda* (Diptera: Tachinidae). *Annals of the Entomological Society of America*. 1967;60:373-6.
70. Weaver N, Chauthani A. An all-liquid pollen substitute for honey bee colonies *American Bee Journal*. 1967;107:134-5.
71. Dunn P, Hall I, Snideman M. Bioassay of *Bacillus thuringiensis*-based microbial insecticides. III - continuous propagation of the salt-marsh caterpillar, *Estigmene acrea*. *Journal of Economic Entomology*. 1964;57(3):374-7.
72. Mechalas B, Anderson N. Bioassay of *Bacillus thuringiensis* Berliner-based microbial insecticides II. Standardization. *Journal of Insect Pathology*. 1964;6:218-24.
73. Mechalas BJ, Dunn PH. Bioassay of *Bacillus thuringiensis* Berliner-based microbial insecticides I. Bioassay procedures. *Journal of Insect Pathology*. 1964;6:214-7.
74. Rehnberg C, Nichols A. The fate of cholesterol esters in human serum incubated in vitro at 38°. *Biochimica et Biophysica Acta*. 1964;84:596-603

75. Dunn P, Mechalas B. An easily constructed vacuum duster. *Journal of Economic Entomology*. 1963;56:899.
76. Dunn P, Mechalas BJ. The potential of *Beauveria bassiana* (Balsamo) Vuillemin as a microbial insecticide. *Journal of Insect Pathology*. 1963;5:451-9.
77. Mechalas B, Beyer O. Production and assay of extracellular toxins by *Bacillus thuringiensis*. *Developments in Industrial Microbiology*. 1963;4:142-7.
78. Nichols A, Rehnberg C, Lindgren F, Wills R. Effects of oil ingestion on lipoprotein fatty acids in man. *Journal of Lipid Research*. 1962;3:320-6.
79. Mechalas B. Microbiological insecticides. *Agrichemical West*. 1961;4:9-10.
80. Nichols A, Rehnberg C, Lindgren F. Gas chromatographic analysis of fatty acids from dialyzed lipoproteins. *Journal of Lipid Research*. 1961;2:203-7.
81. Westall E. Progress report on microbial insecticides. *Food Processing*. June, 1961.
82. Ershoff B, Hernandez H. An unidentified water-soluble factor in alfalfa which improves utilization of vitamin A. *Journal of Nutrition*. 1960;70:313-20.
83. Mechalas B, Rittenberg S. Energy coupling in *Desulfovibrio desulfuricans*. *Department of Bacteriology*. 1960;80:501-7.
84. Liles J, Dunn P. Preliminary laboratory results on the susceptibility of *Aedes aegypti* (Linnaeus) to *Bacillus thuringiensis*. *Journal of Insect Pathology*. 1959;1:309-10.
85. Macias F. Acetate stimulation of *Lactobacillus delbrueckii* and its replacement by nucleosides. *Journal of Bacteriology*. 1959;77:497-501.
86. Macias F. Effect of oleic acid on the response of *Lactobacillus fermenti* to thiamin and its moieties. *Journal of Bacteriology*. 1958;75:561-6.
87. McWilliams H. Vitamin-mineral deficiencies in the American diet. *Experimental Medicine & Surgery*. 1958;16(4):265-75.
88. Macias F. Improved medium for assay of thiamin with *Lactobacillus fermenti*. *Applied Microbiology*. 1957;5:249-52.
89. Novak A, Gama J, Liuzzo J, Rubloff E. Factors affecting the microbiological assay of pyridoxine in multivitamin products. *Journal of the American Pharmaceutical Association*. 1953;42:581-3.