

1. B. A. Burke and M. G. Nair. Phenylpropene, benzoic acid and flavonoid derivatives from fruits of Jamaican *Piper* species, *Phytochemistry*, 25, 1427-1430, 1986.
2. M. G. Nair, A. P. Mansingh and B. A. Burke. Insecticidal properties of some metabolite of Jamaican *Piper* Spp., and the amides synthesized from 5,6-Z- and E-butenolides of *Piper fadyenii*, *Agric. Biol. Chem.*, 50(12), 3053-3060, 1986.
3. M. G. Nair, B. A. Burke, K. M. Manning and D. G. Lynn. A novel diterpene diglucoside from Jamaican *Turbina corymbosa*: The application of 2D-NMR in its structure elucidation, *J. Chem. Res.*, (S) 318-319, 1987; *J. Chem. Res.*, (M) 2701-2742, 1987.
4. S. K. Mishra, J. E. Keller, J. R. Miller, R. M. Heisey, M. G. Nair and A. R. Putnam. Insecticidal and nematicidal properties of microbial metabolites, *J. Ind. Microbiol.*, 2, 267-276, 1987.
5. M. G. Nair, M. D. Epp and B. A. Burke. Ferulate esters of higher fatty alcohols and allelopathy in *Kalanchoe daigremontiana*, *J. Chem. Ecol.*, 14 (2), 585-603, 1988.
6. M. G. Nair and B. A. Burke. A new fatty acid methyl ester and other biologically active compounds from *Aspergillus niger* V. Tieghem, *Phytochemistry*, 27 (10), 3169-3173, 1988.
7. M. G. Nair and B. A. Burke. Phenyl propenoids from the roots of *Piper Auritum*, *Phytochemistry*, 28 (2), 684-685, 1989.
8. M. G. Nair, A. R. Putnam, S. K. Mishra, M. K. Mulks, J. F. Keller, W. H. Taft, J. R. Miller, P. P. Zhu, D. Meinhart and D. G. Lynn. Faeriefungin: A broad spectrum antibiotic from *Streptomyces griseus* v. autotrophicus, *J. Nat. Prod.*, 52 (4), 797-809, 1989.
9. M. G. Nair and A. R. Putnam. Allelochemicals- herbicides of the future? *Pesticide Science*, 27 (2), 229-231, 1989.
10. M. G. Nair, C. J. Whitenack and A. R. Putnam. '2,2'-Oxo-1,1'azobenzene, an Allelopathic compound from Rye (*Secale cereal* L.), *J. Chem. Ecol.*, 16, 353-364, 1990.
11. A. Hartung, M. Nair and A. Putnam. Isolation and characterization of phytotoxic compounds from *Asparagus officinalis*, *J. Chem. Ecol.* 16, 1707-1733, 1990.
12. M. G. Nair and B. A. Burke. Antimicrobial *Piper* metabolite and related compounds, *J. Agric. Food Chem.*, 38, 1093-1096, 1990.
13. Y. Wang, V. Wert, M.G. Nair and S.K. Ries. Isolation and characterization of a chemical from tomato apices that stimulates plant growth, *HortScience*, 25(7), 769-771, 1990.
14. M. G. Nair, B. A. Burke and J. B. Mudd. Separation of bitter and non-bitter glucolipid from *Lycopersicon pennellii*, *Phytochem. Anal.*, 1, 31-35, 1990.
15. M. H. Mulks, M. G. Nair and A. R. Putnam. *In vitro* antibacterial activity of faeriefungin, a new broad spectrum Polyene macrolide antibiotic, *Antimicrobial Agents and Chemotherapy*, 34, 1762-1765, 1990.
16. J. Smith, A. Putnam and M. G. Nair. *In vitro* control of fusarium diseases of *Asparagus officinalis* L. with a *Streptomyces* or its polyene antibiotic, faeriefungin, *J. Agric. Food Chem.*, 38, 1729-1733, 1990.
17. S. K. Ries, V. Wert, N. F. D. O'Leary and M. G. Nair. 9- $\beta$ -L (+) adenosine: A new naturally occurring growth substance elicited by triacontanol in rice, *Plant Growth Regulation*, 9, 263-273, 1990.
18. A. R. Putnam and M. G. Nair. Allelopathy: A valuable weed control strategy. In New Directions in Biological Control. Alternatives for suppressing agricultural pests and diseases. 1990. Alan R. Liss, Inc.
19. W. R. Chase, M. G. Nair and A. R. Putnam. 2,2'-Oxo-1,1'-azobenzene: Selective toxicity of rye (*Secale cereale* L.) allelochemicals to weed and crop species., *J. Chem. Ecol.*, 17,9-

- 19, 1991.
20. M. G. Nair, J. O. Siqueira and G. R. Safir. Isolation and identification of vesicular-arbuscular mycorrhiza stimulatory compounds from clover (*Trifolium repens*) roots, *Applied and Environmental Microbiology*, 57, 434-439, 1991.
21. J. K. Nitao, M. G. Nair, K. S. Johnson, D. L. Thorogood and J. M. Scriber. Bioactive neolignans from the leaves of *Magnolia virginiana* (Magnoliaceae), *Phytochemistry*, 30, 2193-2195, 1991.
22. W. R. Chase, M. G. Nair, A. R. Putnam and Saroj K. Mishra. 2,2'-Oxo-1,1'-azobenzene: microbial transformation of rye (*Secale cereale* L.) allelochemical in field soils by *Acinetobacter calcoaceticus*., *J. Chem. Ecol.*, 17, 1575-1584, 1991.
23. J. O. Siqueira, G. R. Safir and M. G. Nair. VA-mycorrhizae and mycorrhiza stimulating isoflavanoid compounds reduce plant herbicide injury, *Plant and Soil*, 134, 233-242, 199.
24. J. O. Siqueira, G. R. Safir and M. G. Nair. Stimulation of vesicular-arbuscular mycorrhizal formation by flavonoid compounds, *The New Phytologist*, 118, 87-93 1991.
25. J. O. Siqueira, M. G. Nair, R. Hammerschmidt and G. R. Safir. Significance of phenolic compounds in plant-soil-microbial systems. *Critical Reviews in Plant Sciences*, 10, 63-121, 1991.
26. A. Chandra, M. G. Nair and A. Iezzoni. Evaluation and characterization of the anthocyanin pigments in tart cherries (*Prunus cerasus* L.), *J. Agric. Food Chem.*, 40, 967-969, 1992.
27. J. K. Nitao, K. S. Johnson, J. M. Scriber and M. G. Nair. *Magnolia virginiana* neolignan compounds as chemical barriers to swallowtail butterfly host use, *J. Chem. Ecol.* 18, 1661-1671, 1992.
28. M. G. Nair, S. K. Mishra, A. R. Putnam and R. C. Pandey. Antifungal anthracycline antibiotics, spartanamicins A and B from *Micromonospora* spp, *J. Antibiotic.*, 45, 1738-1745, 1992.
29. B. P. Melvin, M. G. Nair, J. M. Vargas and A. R. Detweiler, Controlling annual bluegrass (*Poa annua* L) summer patch disease with faeriefungin, *HortScience*, 28, 195-196, 1993.
30. A. Chandra and M. G. Nair. Quantification of benzaldehyde and its precursors from Montmorency cherry (*Prunus cerasus* L.) kernels, *Phytochemical Analysis*, 4, 120-123, 1993.
31. A. Chandra and M. G. Nair. Chemical characterization of pit oil from Montmorency (*Prunus cerasus* L.) cherry, *J. Agric. Food Chem.*, 41, 879-881, 1993.
32. A. Chandra, M. G. Nair and A. Iezzoni. Novel process for the isolation and stabilization of anthocyanin pigments from Montmorency cherry (*Prunus cerasus* L.), *J. Agric. Food Chem.*, 41, 1063-1065, 1993.
33. M. G. Nair, A. Chandra and D. L. Thorogood, Griseulin. a new nitro-containing bioactive metabolite produced by *Streptomyces* spp, *J. Antibiotic.*, 46, 1762-1763, 1993.
34. M. G. Nair. Recent studies on natural products as a source for potential agrochemicals. In: Natural and engineered pest management agents. P. Hedin, J. J. Menn and R. M. Hollingworth, eds., American Chemical Society Symposium Series 551, Chap. 10, pp. 143-161, 1993.
35. W.A. Dunlap, M. Karacorlu, G. A. Peyman, M.G. Nair, M. Rahimy and L. Pedroza. Retinal toxicity of intravitreally injected faeriefungin, *Ophthalmic Surgery*, 25, 303-306, 1994.
36. J. Yao, M.G. Nair and A. Chandra, Supercritical carbon dioxide extraction of scotch bonnet (*Capsicum annuum*) and quantification of capsaicin and dihydrocapsaicin, *J. Agric. Food Chem.*, 42, 1303-1305, 1994.

37. Y-C. Chang, M.G. Nair, R.C. Santell and W. Helferich. Microwave mediated synthesis of anticarcinogenic isoflavones from soybeans, *J.Agric. Food.Chem.*, 42, 1869-1871, 1994.
38. M.E. Elson, J.F. Kelly and M.G. Nair. Influence of antifungal compounds from a soil-borne actinomycete on *Fusarium* spp. in asparagus, *J. Chem. Ecology*, 20, 2555-2566, 1994.
39. R.E. Schutzki, A. Chandra and M.G. Nair. The influence of postharvest storage on taxol and cephalomannine concentrations in *Taxus x media* 'Hicksii' Rehd. (Taxaceae), *Phytochemistry*, 37, 405-408, 1994.
40. M. G. Nair, A. Chandra and D. L. Thorogood. Gopalamicin: An antifungal macrodiolide produced by soil actinomycete, *J. Agric. Food Chem.* 42, 2308-2310, 1994.
41. A. Chandra and M.G. Nair. Supercritical carbon dioxide extraction and quantification of bioactive neolignans from *Magnolia virginiana* L. flowers, *Planta Medica*. 61, 192-195, 1995.
42. M.G. Nair, A. Chandra, D.L. Williams and R.M. Giblin-Davis. Nematicidal aromatic nitro compounds produced by fermentation of streptomyces spp., *Pesticide Science.*, 43, 361-365, 1995.
43. A. Chandra and M.G. Nair. Azalomycin from Streptomyces hygroscopicus, MSU/MN-4-75B, *J. Antibiotic.*, 48, 896-898, 1995.
44. Y-C. Chang and M.G. Nair. Metabolism of daidzein and genestein by intestinal bacteria. *J. Nat. Prod.* 58, 1892-1896, 1995.
45. Y-C. Chang, M.G. Nair and J. L. Nitiss. Metabolites of anticancer daidzein and genestein and their biological activities. *J. Nat. Prod.* 58, 1901-1905, 1995.
46. A. Ozan, M.G. Nair and G.R. Safir. In vitro effects of plant phenolics on root response activity of *Trifolium repens*, *Allelopathy Journal*, 3, 59-64, 1996.
47. K.S. Johnson, J.M. Scriber and M. Nair. Phenylpropenoid phenolics in sweetbay magnolia as chemical determinants of host use in saturated silkworms (*Callosamia*), *J. Chem. Ecol.*, 11, 1965-1979, 1996.
48. A. Ozan, G.R. Safir and M.G. Nair. Isozyme activity of developing Trifolium-Glomus mycorrhiza and associated effects of the isoflavone formononetin, *Allelopathy Journal* 3, 217-228, 1996.
49. A. Chandra and M.G. Nair. Supercritical carbon dioxide extraction of daidzein and genestein from soybean products. *Phytochemical Analysis*. 7, 259-262, 1996.
50. A. Ozan, G.R. Safir and M.G. Nair. Recovery of exogenously applied isoflavones formononetin and biochanin A from soil and their effects on soil microbial populations, *J. Chem. Ecology*. 23, 247-258, 1997.
51. M. A. Kelm, M.G. Nair and R.A. Schutzki. Mosquitocidal compounds from Magnolia salicifolia. *International Journal of pharmacognosy*. 35, 84-90, 1997.
52. R.C. Santell, Y-C. Chang, M.G. Nair, and W. Helferich. Dietary genestein elicits estrogenic effects upon the uterus, mammary gland and the hypothalamic/pituitary axis in rats. *Journal of Nutrition*. 127, 263-269, 1997.
53. H. Wang, M.G. Nair, A.F. Iezzoni, G.M. Strasburg, A.M. Booren and J. I. Gray. Quantification and characterization of anthocyanins in Balaton tart cherries. *J. Agric. Food Chem.* 45, 2556-2560, 1997.
54. D. Zhang, M.G. Nair, M. Murry and Z. Zhang. An insecticidal metabolite from nitrogen fixing *Streptomyces griseofuscus*, MSU-ZD-033. *J. Antibiotic.* 50, 185-188, 1997.
55. S.G. Anderson, M.G. Nair, A. Chandra and E. Morrison. Supercritical carbon dioxide and solvent extraction of *Bixa orellana* L. Seeds and quantification of trans-bixin by HPLC,

- Phytochemical Analysis.* 8, 247-249, 1997.
- 56. A. Chandra and M.G. Nair. Supercritical carbon dioxide extraction of  $\alpha$ - and  $\beta$ -carotene from carrot (*Daucus carota L.*). *Phytochemical Analysis.* 8, 244-246, 1997.
  - 57. L.G. Menon, R. Kuttan, M.G. Nair, Y-C. Chang and G. Kuttan. Comparison of antimetastatic activity of dietary isoflavones-genistin and daidzein. Amala Cancer Research Bulletin, Trissur, Kerala, India. Vol. 17, 32-37, 1997.
  - 58. A. Arora, M. G. Nair and G. M. Strasburg. A novel fluorescence assay and model system to evaluate antioxidant efficacy: Application to flavonoids and isoflavonoids. In Antioxidant measurements: In vivo and in vitro concepts. O. I. Aruoma and S. Cuppett (eds.), AOCS Press, Champaign, IL., 1997.
  - 59. C. W. Benninger, G. L. Hosfield and M. G. Nair. Phytochemical methods for the extraction and analysis of seed coat flavonoids from common bean (*Phaseolus vulgaris L.*). Annual report of the Bean Improvement Cooperative, Vol. 40, 17-18, 1997.
  - 60. C.W. Benninger, G. L. Hosfield and M.G. Nair. Physical characteristics of dry beans in relation to seedcoat color genotype. *HortScience.*, 33, 328-329, 1998.
  - 61. L.G. Menon, R. Kuttan, M. G. Nair, Y-C. Chang and G. Kuttan. Effect of isoflavones-genestine and daidzein in the inhibition of lung metastasis in mice induced by B16F10 melanoma cells. *Nutrition and Cancer.* 30, 74-77, 1998.
  - 62. G. N. Roth, A. Chandra and M.G. Nair. Novel bioactivities of *Curcuma longa* Linn. constituents. *J. Nat. Prod.*, 61, 542-545, 1998.
  - 63. A. Arora, M.G. Nair, G.M. Strasburg. Structure-activity relationships for antioxidant activities of a series of flavonoids in a liposomal system. *Free Radicals Biology and Medicine.* 24, 1355-1363, 1998.
  - 64. M.A. Kelm and M.G. Nair. Mosquitocidal compounds and a triglyceride, 1,3-dilinoleneoyl-2-palmitin from *Ocimum sanctum*. *J. Agric. Food Chem.* 46, 3092-3094, 1998.
  - 65. C.W. Benninger, G. L. Hosfield and M.G. Nair. Flavonol glycosides from the seedcoat of Manteca market class dry bean (*Phaseolus vulgaris L.*). *J. Agric. Food Chem.* 46, 2906-2910, 1998.
  - 66. A. Arora, M.G. Nair and G.M. Strasburg. Antioxidant activities of isoflavones and their biological metabolites in a liposomal system. *Arch Biochem Biophys.* 356, 133-141, 1998.
  - 67. P. D. Serracarabassa, G.A. Peyman, N. Calixto, Jr., C. Liang and M.G. Nair. Toxicity and efficacy of intravitreal injection of Spartanamicin B in the treatment of *Candida endophthalmitis*. *International Ophthalmology*, 22, 53-58, 1998.
  - 68. J. M. Vargas, J. F. Powell, N.M. Dykema, A. R. Detwiler and M. G. Nair. Biological control of turfgrass diseases: Past and future in Turfgrass Biotechnology, Cell and molecular genetic approaches to turfgrass improvement. M.B. Sticklen and M.P. Kenna (eds.), Ann Arbor Press, Chelsea, Michigan, 1998.
  - 69. H. Wang, M. G. Nair, G. M. Strasburg, A. M. Booren and J. I. Gray. Novel antioxidant and anti-inflammatory compounds from tart cherries. *J. Nat. Prod.* 62, 86-88, 1999.
  - 70. R. S. Ramsewak, M.G. Nair, G.M. Strasburg, D.L. Dewitt and J.L. Nitiss. Biologically active carbazole alkaloids from *Murraya koenigii*. *J. Agric. Food Chem.* 47, 444-447, 1999.
  - 71. D. A. Balentine, M. C. Albano and M. G. Nair. The role of medicinal plants, herbs, and spices in protecting human health. *Nutrition Reviews.* 57 (9), S41-S46, 1999.
  - 72. R. S. Ramsewak, A.J. Erickson and M.G. Nair. Bioactive N-isobutylamides from the flower buds of *Spilanthes acmella*. *Phytochemistry.* 51, 729-732, 1999.
  - 73. H. Wang, M. G. Nair, G. M. Strasburg, A. M. Booren and J. I. Gray. Antioxidant

- polyphenols from tart cherries. *J. Agric. Food Chem.* 47, 840-844, 1999.
74. H. Wang, M. G. Nair, G. M. Strasburg, Y-C Chang, A. M. Booren, J. I. Gray <sup>1</sup> and D. L. DeWitt. Antioxidant and anti-inflammatory activities of anthocyanins and their aglycone from tart cherries. *J. Nat. Prod.* 62, 294-296, 1999.
75. A.V. Loskutov, C.W. Beninger, T.M. ball, G.L. Hosfield, M. Nair and K.C. Sink. Optimization of in vitro conditions for stigma-like-structure production from half-ovary explants of *Crocus sativus* L. *In vitro Cellular & Developmental Biology- Plant.* 35, 200-205, 1999.
76. R.S. Ramsewak, M.G. Nair, D.L. DeWitt and W.J. Mattson. Biologically active phenolic glycosides from *Dirca palustris*. *J. Nat. Prod.* 62, 1558-1560, 1999.
77. N.P. Seeram, H. Jacobs, M.G. Nair, S. McLean and W.J. Reynolds. Amides of *Piper amalgo* var. *nigrinodum*. *Ind. J.Chem.* 76, 713-717, 1999.