

## 5. References

- Abraham, S.K. (1989) Inhibition of *in vivo* genotoxicity by coffee. *Food chem. Toxicol.*, **27**, 787-792
- Aeschbacher, H.U. (1990) Mutagenic and antimutagenic compounds in beverages. In: Hayatsu, H., ed., *Mutagens in Food—Detection and Prevention*, Boca Raton, FL, CRC Press (in press)
- Aeschbacher, H.U. & Chappuis, C. (1981) Nonmutagenicity of urine from coffee drinkers compared with that from cigarette smokers. *Mutat. Res.*, **89**, 161-177
- Aeschbacher, H.U. & Würzner, H.P. (1980) An evaluation of instant and regular coffee in the Ames mutagenicity test. *Toxicol. Lett.*, **5**, 139-145
- Aeschbacher, H.U., Chappuis, C. & Würzner, H.P. (1980) Mutagenicity testing of coffee: a study of problems encountered with the Ames Salmonella test system. *Food Cosmet. Toxicol.*, **18**, 605-513
- Aeschbacher, H.U., Meier, H., Ruch, E., Wolleb, U. & Würzner, H.P. (1984a) Risk evaluation of coffee based on *in vitro* and *in vivo* mutagenicity testing. In: MacMahon, B. & Sugimura, T., eds, *Coffee and Health* (Banbury Report 17), Cold Spring Harbor, NY, CSH Press, pp. 89-98
- Aeschbacher, H.U., Meier, H., Ruch, E. & Würzner, H.P. (1984b) Investigation of coffee in sister chromatid exchange and micronucleus tests *in vivo*. *Food chem. Toxicol.*, **22**, 803-807
- Aeschbacher, H.U., Ruch, E., Meier, H., Würzner, H.P. & Munoz-Box, R. (1985) Instant and brewed coffees in the *in vitro* human lymphocyte mutagenicity test. *Food chem. Toxicol.*, **23**, 747-752
- Aeschbacher, H.U., Wolleb, U., Löliger, J., Spadone, J.C. & Liardon, R. (1989) Contribution of coffee aroma constituents to the mutagenicity of coffee. *Food chem. Toxicol.*, **27**, 227-232
- Albertini, S., Friederich, U., Schlatter, C. & Würzler, F.E. (1985) The influence of roasting procedure on the formation of mutagenic compounds in coffee. *Food chem. Toxicol.*, **23**, 593-597
- Angelucci, E., Yokomizo, Y., de Moraes, R.M., de Campos, R.B., Miya, E.E. & Figueiredo, I.B. (1973) Chemical and sensory evaluation of the main Brazilian instant coffee. In: *6e Colloque Scientifique International sur le Café, Bogotá, 1973*, Paris, Association Scientifique International du Café, pp. 178-182
- Anon. (1987) Coffee (Marketing Report No. 4). *Retail Bus.*, **356**, 57-67
- Anon. (1988) Coffee in Italy (Special Report No. 1). *Marketing Europe*, **311**, 44-55
- Anon. (1989) Indicators of market size for 117 countries. Part I, Section II. *Business int.*, 3 July
- Ariza, R.R., Dorado, G., Barbancho, M. & Pueyo, C. (1988) Study of the causes of direct-acting mutagenicity in coffee and tea using the Ara test in *Salmonella typhimurium*. *Mutat. Res.*, **201**, 89-96

- Armstrong, B. & Doll, R. (1975) Environmental factors and cancer incidence and mortality in different countries, with special reference to dietary practices. *Int. J. Cancer*, 15, 617-631
- Armstrong, B., Garrod, A. & Doll, R. (1976) A retrospective study of renal cancer with special reference to coffee and animal protein consumption. *Br. J. Cancer*, 33, 127-136
- Arnandova, R. & Kaculov, A. (1978) Coffee and pregnancy (Russ.). *Akush. Ginekol. (Sofia)*, 17, 57-61
- Aro, A., Kostianen, E., Huttunen, J.K., Seppälä, E. & Vapaatalo, H. (1985) Effects of coffee and tea on lipoproteins and prostanoids. *Atherosclerosis*, 57, 123-128
- Aro, A., Tuomilehto, J., Kostianen, E., Uusitalo, U. & Pietinen, P. (1987) Boiled coffee increases serum low density lipoprotein concentration. *Metabolism*, 36, 1027-1030
- Aro, A., Pietinen, P., Uusitalo, M. & Tuomilehto, J. (1989) Coffee and tea consumption, dietary fat intake and serum cholesterol concentration of Finnish men and women. *J. int. Med.*, 226, 127-132
- Bak, A.A.A. & Grobbee, D.E. (1989) The effect on serum cholesterol levels of coffee brewed by filtering or boiling. *New Engl. J. Med.*, 321, 1432-1437
- Barone, J.J. & Roberts, H.R. (1984) Human consumption of caffeine. In: Dews, P.B., ed., *Caffeine. Perspectives from Recent Research*, Berlin, Springer, pp. 59-73
- Benarde, M.A. & Weiss, W. (1982) Coffee consumption and pancreatic cancer: temporal and spatial correlation. *Br. med. J.*, 284, 400-402
- Benito, E., Obrador, A., Stiggelbout, A., Bosch, F.X., Mulet, M., Muñoz, N. & Kaldor, J. (1990) A population-based case-control study of colorectal cancer in Majorca. I. Dietary factors. *Int. J. Cancer*, 45, 69-76
- van den Berg, B.J. (1977) Epidemiologic observations of prematurity: effects of tobacco, coffee and alcohol. In: Reed, D.M. & Stanley, F.J., eds, *The Epidemiology of Prematurity*, Baltimore, MD, Urban & Schwarzenberg, pp. 157-176
- Berkowitz, G.S., Holford, T.R. & Berkowitz, R.L. (1982) Effects of cigarette smoking, alcohol, coffee and tea consumption on preterm delivery. *Early Hum. Dev.*, 7, 239-250
- Berry, N.E. & Walters, R.H. (1943) *Process of Decaffeinating Coffee*, US Patent 2,309,092 (General Foods Corp., New York)
- Binstock, M., Krakow, D., Stamler, J., Reiff, J., Persky, V., Liu, K. & Moss, D. (1983) Coffee and pancreatic cancer: an analysis of international mortality data. *Am. J. Epidemiol.*, 118, 630-640
- Bjelke, E. (1973) *Epidemiologic Studies of Cancer of the Stomach, Colon and Rectum; With Special Emphasis on the Role of Diet*, Thesis, University of Minnesota
- Blanc, M. (1977) Carboxylic acids of coffee (Fr.) In: *8e Colloque Scientifique sur le Café, Abidjan, 1977*, Paris, Association Scientifique Internationale du Café, pp. 73-77
- Borlée, I., Lechat, M.F., Bouckaert, A. & Misson, C. (1978) Coffee, risk factor during pregnancy? (Fr.) *Louvain méd.*, 97, 279-284
- Boston Collaborative Drug Surveillance Program (1972) Coffee drinking and acute myocardial infarction. *Lancet*, ii, 1278-1281
- Bravo, P., del Rey, J., Sánchez, J. & Conde, M. (1986) Coffee and analgesics as risk factors for bladder cancer (Sp.). *Arch. esp. Urol.*, 39, 337-341

- Bravo, P., del Rey-Calero, J. & Conde, M. (1987) Risk factors of bladder cancer in Spain. *Neoplasma*, 34, 633-637
- Brooke, O.G., Anderson, H.R., Bland, J.M., Peacock, J.L. & Stewart, C.M. (1989) Effects on birth weight of smoking, alcohol, caffeine, socioeconomic factors, and psychosocial stress. *Br. med. J.*, 298, 795-801
- Bross, I.D.J. & Tidings, J. (1973) Another look at coffee drinking and cancer of the urinary bladder. *Prev. Med.*, 2, 445-451
- Bunker, M.L. & McWilliams, M. (1979) Caffeine content of common beverages. *J. Am. diet. Assoc.*, 74, 28-32
- Burg, A.W. (1975) Effects of caffeine on the human system. *Tea Coffee Trade J.*, 147, 40
- Butcher, R.E., Vorhees, C.V. & Wootten, V. (1984) Behavioral and physical development of rats chronically exposed to caffeinated fluids. *Fundam. appl. Toxicol.*, 4, 1-13
- Byers, T., Marshall, J., Graham, S., Mettlin, C. & Swanson, M. (1983) A case-control study of dietary and nondietary factors in ovarian cancer. *J. natl Cancer Inst.*, 71, 681-686
- Caan, B.J. & Goldhaber, M.K. (1989) Caffeinated beverages and low birthweight: a case-control study. *Am. J. public Health*, 79, 1299-1300
- Callahan, M.M., Rohovsky, M.W., Robertson, R.S. & Yesair, D.W. (1979) The effect of coffee consumption on plasma lipids, lipoproteins, and the development of aortic atherosclerosis in rhesus monkeys fed an atherogenic diet. *Am. J. clin. Nutr.*, 32, 834-845
- Cartwright, R.A., Adib, R., Glashan, R. & Gray, B.K. (1981) The epidemiology of bladder cancer in West Yorkshire. A preliminary report on non-occupational aetiologies. *Carcinogenesis*, 2, 343-347
- Chen, A.T.L., Reidy, J.A., Annest, J.L., Welty, T.K. & Zhou, H.-G. (1989) Increased chromosome fragility as a consequence of blood folate levels, smoking status, and coffee consumption. *Environ. mol. Mutagenesis*, 13, 319-324
- Christianson, R.E., Oechsli, F.W. & van den Berg, B.J. (1989) Caffeinated beverages and decreased fertility (Letter to the Editor). *Lancet*, i, 378
- Ciccone, G. & Vineis, P. (1988) Coffee drinking and bladder cancer. *Cancer Lett.*, 41, 45-52
- Clarke, R.J. (1985) Water and mineral contents. In: Clarke, R.J. & Macrae, R., eds, *Coffee*, Vol. 1, *Chemistry*, London, Elsevier Applied Science, pp. 42-82
- Clarke, R.J. (1986) The flavour of coffee. In: Morton, I.D. & MacLeod, A.J., eds, *Food Flavours*, Part B, *The Flavour of Beverages*, Amsterdam, Elsevier, pp. 1-47
- Clarke, R.J. (1987) Coffee technology. In: Herschdoefer, S.H., ed., *Quality Control in the Food Industry*, 2nd ed., Vol. 4, London, Academic Press, pp. 161-191
- Clarke, R.J. & Macrae, R., eds (1985) *Coffee*, Vol. 1, *Chemistry*, London, Elsevier Applied Science
- Clarke, R.J. & Macrae, R., eds (1987a) *Coffee*, Vol. 5, *Related Beverages*, London, Elsevier Applied Science
- Clarke, R.J. & Macrae, R., eds (1987b) *Coffee*, Vol. 2, *Technology*, London, Elsevier Applied Science
- Clarke, R.J. & Macrae, R., eds (1988a) *Coffee*, Vol. 4, *Agronomy*, London, Elsevier Applied Science

- Clarke, R.J. & Macrae, R., eds (1988b) *Coffee*, Vol. 3, *Physiology*, London, Elsevier Applied Science
- Claude, J., Kunze, E., Frentzel-Beyme, R., Paczkowski, K., Schneider, J. & Schubert, H. (1986) Life-style and occupational risk factors in cancer of the lower urinary tract. *Am. J. Epidemiol.*, *124*, 578-589
- Clavel, F., Benhamou, E., Auquier, A., Tarayre, M. & Flamant, R. (1989) Coffee, alcohol, smoking and cancer of the pancreas: a case-control study. *Int. J. Cancer*, *43*, 17-21
- Clifford, M.N. (1985) Chlorogenic acids. In: Clarke, R.J. & Macrae, R., eds, *Coffee*. Vol. 1, *Chemistry*, London, Elsevier Applied Science, pp. 153-202
- Clinton, W.P. (1985) The chemistry of coffee. In: *11e Colloque Scientifique International sur le Café, Lomé, 1985*, Paris, Association Scientifique Internationale du Café, pp. 87-92
- Cole, P. (1971) Coffee-drinking and cancer of the lower urinary tract. *Lancet*, *ii*, 1335-1337
- Commission of the European Communities (1977) Council Directive of 27 June 1977 on the approximation of the laws of the Member States relating to coffee extracts and chicory extracts. *Off. J. Eur. Commun.*, *L172*, 20-24
- Commission of the European Communities (1985) Council Directive of 19 December 1985 amending Directive 77/436/EEC on the approximation of the laws of the Member States relating to coffee extracts and chicory extracts. *Off. J. Eur. Commun.*, *L372*, 22-24
- Cramer, D.W., Welch, W.R., Hutchison, G.B., Willett, W. & Scully, R.E. (1984) Dietary animal fat in relation to ovarian cancer risk. *Obstet. Gynaecol.*, *63*, 833-838
- Cuckle, H.S. & Kinlen, L.J. (1981) Coffee and cancer of the pancreas. *Br. J. Cancer*, *44*, 760-761
- Curb, J.D., Reed, D.M., Kautz, J.A. & Yano, K. (1986) Coffee, caffeine, and serum cholesterol in Japanese men in Hawaii. *Am. J. Epidemiol.*, *123*, 648-655
- Cuzick, J. & Babiker, A.G. (1989) Pancreatic cancer, alcohol, diabetes mellitus and gall-bladder disease. *Int. J. Cancer*, *43*, 415-421
- Dales, L.G., Friedman, G.D., Ury, H.K., Grossman, S. & Williams, S.R. (1979) A case-control study of relationships of diet and other traits to colorectal cancer in American blacks. *Am. J. Epidemiol.*, *109*, 132-144
- Dart, S.K. & Nursten, H.E. (1985) Volatile components. In: Clarke, R.J. & Macrae, R., eds, *Coffee*, Vol. 1, *Chemistry*, London, Elsevier Applied Sciences, pp. 223-265
- Davis, B.R., Curb, J.D., Borhani, N.O., Prineas, R.J. & Molteni, A. (1988) Coffee consumption and serum cholesterol in the hypertension detection and follow-up program. *Am. J. Epidemiol.*, *128*, 124-136
- Dawber, T.R., Kannel, W.B. & Gordon, T. (1974) Coffee and cardiovascular disease. Observations from the Framingham study. *New Engl. J. Med.*, *291*, 871-874
- Debry, G. (1989) *Le Café* [Coffee], Nancy, Centre de Nutrition humaine
- Decarli, A. & La Vecchia, C. (1986) Environmental factors and cancer mortality in Italy: correlational exercise. *Oncology*, *43*, 116-126
- Donahue, R.P., Orchard, T.J., Stein, E.A. & Kuller, L.H. (1987) Lack of an association between coffee consumption and lipoprotein lipids and apolipoproteins in young adults: the Beaver County study. *Prev. Med.*, *16*, 796-802

- Dorado, G., Barbancho, M. & Pueyo, C. (1987) Coffee is highly mutagenic in the L-arabinose resistance test in *Salmonella typhimurium*. *Environ. Mutagenesis*, 9, 251-260
- Douwe-Egberts Ltd (1989) *Coffee*, Utrecht
- Dunham, L.J., Rabson, A.S., Stewart, H.L., Frank, A.S. & Young, J.L. (1968) Rates, interview, and pathology study of cancer of the urinary bladder in New Orleans, Louisiana. *J. natl Cancer Inst.*, 41, 683-709
- Dunn, B.P. & Curtis, J.R. (1985) Clastogenic agents in the urine of coffee drinkers and cigarette smokers. *Mutat. Res.*, 147, 179-188
- Elinder, C.-G., Millqvist, K., Floderus-Myrhed, B. & Pershagen, G. (1981) Swedish studies do not support the hypothesis concerning a relationship between coffee and pancreatic cancer (Sw.). *Läkartidningen*, 78, 3676-3677
- Enstrom, J.E. (1975) Cancer mortality among Mormons. *Cancer*, 36, 825-841
- Enstrom, J.E. (1978) Cancer and total mortality among active Mormons. *Cancer*, 42, 1943-1951
- Enstrom, J.E. (1980) Cancer mortality among Mormons in California during 1968-75. *J. natl Cancer Inst.*, 65, 1073-1082
- Ernster, V.L. (1984) Epidemiologic studies of caffeine and human health. In: Spiller, G.A., ed., *The Methylxanthine Beverages and Foods: Chemistry, Consumption, and Health Effects*, New York, Alan R. Liss, pp. 377-400
- Falk, R.T., Pickle, L.W., Fontham, E.T., Correa, P. & Fraumeni, J.F., Jr (1988) Life-style risk factors for pancreatic cancer in Louisiana: a case-control study. *Am. J. Epidemiol.*, 128, 324-336
- Fischer, A. & Kummer, P. (1979) *Verfahren zum Entcaffeinieren von Rohkaffee* [Process for Decaffeination of Raw Coffee], European Patent 0,008,398 A1 (Coffex AG)
- Flament, I. (1987) From assamar to kahweofuran, a century and a half of research into coffee aroma (Fr.). In: *12e Colloque Scientifique International sur le Café, Montreux, 1987*, Paris, Association Scientifique Internationale du Café, pp. 146-150
- Folstar, P. (1985) Lipids. In: Clarke, R.J. & Macrae, R., eds, *Coffee*, Vol. 1, *Chemistry*, London, Elsevier Applied Sciences, pp. 203-222
- Førde, O.H., Knutsen, S.F., Arnesen, E. & Thelle, D.S. (1985) The Tromsø heart study: coffee consumption and serum lipid concentrations in men with hypercholesterolaemia: a randomised intervention study. *Br. med. J.*, 290, 893-895
- Franceschi, S., Serraino, D., Carbone, A., Talamini, R. & La Vecchia, C. (1989) Dietary factors and non-Hodgkin's lymphoma: a case-control study in the northeastern part of Italy. *Nutr. Cancer*, 12, 333-341
- Franco, E.L., Kowalski, L.P., Oliveira, B.V., Curado, M.P., Pereira, R.N., Silva, M.E., Fava, A.S. & Torloni, H. (1989) Risk factors for oral cancer in Brazil: a case-control study. *Int. J. Cancer*, 43, 992-1000
- Fraumeni, J.F., Jr, Scotto, J. & Dunham, L.J. (1971) Coffee-drinking and bladder cancer (Letter to the Editor). *Lancet*, ii, 1204
- Friederich, U., Hann, D., Albertini, S., Schlatter, C. & Würgler, F.E. (1985) Mutagenicity studies on coffee. The influence of different factors on the mutagenic activity in the *Salmonella*/mammalian microsome assay. *Mutat. Res.*, 156, 39-52

- Fujii, M., Mori, H., Nishikawa, A. & Takahashi, M. (1980) Effect of coffee on carcinogenicity of N-2-fluorenylacetamide. *Acta schol. med. Univ. Gifu*, 28, 295-298
- Fujita, Y., Wakabayashi, K., Nagao, M. & Sugimura, T. (1985a) Implication of hydrogen peroxide in the mutagenicity of coffee. *Mutat. Res.*, 144, 227-230
- Fujita, Y., Wakabayashi, K., Nagao, M. & Sugimura, T. (1985b) Characteristics of major mutagenicity of instant coffee. *Mutat. Res.*, 142, 145-148
- Furuhashi, N., Sato, S., Suzuki, M., Hiruta, M., Tanaka, M. & Takahashi, T. (1985) Effects of caffeine ingestion during pregnancy. *Gynecol. obstet. Invest.*, 19, 187-191
- Gilbert, R.M. (1984) Caffeine consumption. In: Spiller, G.A., ed., *The Methylxanthine Beverages and Foods: Chemistry, Consumption and Health Effects*, New York, Alan R. Liss, pp. 185-213
- Gilbert, R.M., Marshman, J.A., Schwieder, M. & Berg, R. (1976) Caffeine content of beverages as consumed. *Can. med. Assoc. J.*, 114, 205-208
- Gold, E.B., Gordis, L., Diener, M.D., Seltser, R., Boitnott, J.K., Bynum, T.E. & Hutcheon, D.F. (1985) Diet and other risk factors for cancer of the pancreas. *Cancer*, 55, 460-467
- Goldman, P. (1984) Coffee and health: what's brewing? *New Engl. J. Med.*, 310, 783-785
- Goldstein, H.R. (1982) No association found between coffee and cancer of the pancreas (Letter to the Editor). *New Engl. J. Med.*, 306, 997
- González, C.A., Lopez-Abente, G., Errezola, M., Castejón, J., Estrada, A., Garcia-Milá, M., Gili, P., Huguet, M., Serrat, M., Soler, F. & Rodriguez, C. (1985) Occupation, tobacco use, coffee and bladder cancer in the county of Mataro (Spain). *Cancer*, 55, 2031-2034
- Goodman, M.T., Morgenstern, H. & Wynder, E.L. (1986) A case-control study of factors affecting the development of renal cell cancer. *Am. J. Epidemiol.*, 124, 926-941
- Gorham, E.D., Garland, C.F., Garland, F.C., Benenson, A.S. & Cottrell, L. (1988) Coffee and pancreatic cancer in a rural California county. *West. J. Med.*, 148, 48-53
- Graf, U. & Würzler, F.E. (1986) Investigation of coffee in *Drosophila* genotoxicity tests. *Food chem. Toxicol.*, 24, 835-842
- Graham, S., Lilienfeld, A.M. & Tidings, J.E. (1967) Dietary and purgation factors in the epidemiology of gastric cancer. *Cancer*, 20, 2224-2234
- Graham, S., Dayal, H., Swanson, M., Mittelman, A. & Wilkinson, G. (1978) Diet in the epidemiology of cancer of the colon and rectum. *J. natl Cancer Inst.*, 61, 709-714
- Green, D. & Blanc, M. (1981) *Process for the Removal of Caffeine from Green Coffee and Process for the Recovery of Caffeine*, European Patent 0,040,712 B2 (Société des Produits Nestlé)
- Groisser, D.S., Rosso, P. & Winick, M. (1982) Coffee consumption during pregnancy: subsequent behavioral abnormalities of the offspring. *J. Nutr.*, 112, 829-832
- Haenszel, W., Berg, J.W., Segi, M., Kurihara, M. & Locke, F.B. (1973) Large-bowel cancer in Hawaiian Japanese. *J. natl Cancer Inst.*, 51, 1765-1779
- Hartge, P., Leshner, L.P., McGowan, L. & Hoover, R. (1982) Coffee and ovarian cancer (Letter to the Editor). *Int. J. Cancer*, 30, 531-532
- Hartge, P., Hoover, R., West, D.W. & Lyon, J.L. (1983) Coffee drinking and risk of bladder cancer. *J. natl Cancer Inst.*, 70, 1021-1026

- Hattox, R.S. (1988) *Coffee and Coffeeshouses. The Origins of a Social Beverage in the Medieval Near East*, Seattle, WA, University of Washington Press
- Hayashi, T. & Shibamoto, T. (1985) Analysis of methyl glyoxal in foods and beverages. *J. agric. Food Chem.*, 33, 1090-1093
- Hayashi, T., Reece, C.A. & Shibamoto, T. (1986) Gas chromatographic determination of formaldehyde in coffee via thiazolidine derivative. *J. Assoc. off. anal. Chem.*, 69, 101-105
- Heller, J. (1987) What do we know about the risks of caffeine consumption in pregnancy? *Br. J. Addict.*, 82, 885-889
- Henderson, B.E., Louie, E., Jing, J.S., Buell, P. & Gardner, M.B. (1976) Risk factors associated with nasopharyngeal carcinoma. *New Engl. J. Med.*, 295, 1101-1106
- Hennekens, C.H., Drolette, M.E., Jesse, M.J., Davies, J.E. & Hutchison, G.B. (1976) Coffee drinking and death due to coronary heart disease. *New Engl. J. Med.*, 294, 633-636
- Heuch, I., Kvåle, G., Jacobsen, B.K. & Bjelke, E. (1983) Use of alcohol, tobacco and coffee, and risk of pancreatic cancer. *Br. J. Cancer*, 48, 637-643
- Heyden, S., Heyden, F., Heiss, G. & Hames, C.G. (1979) Smoking and coffee consumption in three groups: cancer deaths, cardiovascular deaths and living controls. A prospective study in Evans County, Georgia. *J. chron. Dis.*, 32, 673-677
- Hiatt, R.A., Klatsky, A.L. & Armstrong, M.A. (1988) Pancreatic cancer, blood glucose and beverage consumption. *Int. J. Cancer*, 41, 794-797
- Higginson, J. (1966) Etiological factors in gastrointestinal cancer in man. *J. natl Cancer Inst.*, 37, 527-545
- Hofman, A., van Laar, A., Klein, F. & Valkenburg, H.A. (1983) Coffee and cholesterol (Letter to the Editor). *New Engl. J. Med.*, 309, 1248-1249
- Hogue, C.J. (1981) Coffee in pregnancy (Letter to the Editor). *Lancet*, i, 554
- Howe, G.R., Burch, J.D., Miller, A.B., Cook, G.M., Estève, J., Morrison, B., Gordon, P., Chambers, L.W., Fodor, G. & Winsor, G.M. (1980) Tobacco use, occupation, coffee, various nutrients, and bladder cancer. *J. natl Cancer Inst.*, 64, 701-713
- Hsieh, C.-C., MacMahon, B., Yen, S., Trichopoulos, D., Warren, K. & Nardi, G. (1986) Coffee and pancreatic cancer (Chapter 2) (Letter to the Editor). *New Engl. J. Med.*, 315, 587-589
- Hudler, K. (1988) Coffee market snapshot - West Germany. *Aroma Q. Rev.*, Winter, 24, 26
- IARC (1976a) *IARC Monographs on the Evaluation of Carcinogenic Risk of Chemicals to Man*, Vol. 10, *Some Naturally Occurring Substances*, Lyon, pp. 51-72
- IARC (1976b) *IARC Monographs on the Evaluation of Carcinogenic Risk of Chemicals to Man*, Vol. 10, *Some Naturally Occurring Substances*, Lyon, pp. 245-251
- IARC (1979) *IARC Monographs on the Evaluation of the Carcinogenic Risk of Chemicals to Humans*, Vol. 20, *Some Halogenated Hydrocarbons*, Lyon, pp. 545-572
- IARC (1982) *IARC Monographs on the Evaluation of the Carcinogenic Risk of Chemicals to Humans*, Vol. 29, *Some Industrial Chemicals and Dyestuffs*, Lyon, pp. 345-389
- IARC (1983) *IARC Monographs on the Evaluation of the Carcinogenic Risk of Chemicals to Humans*, Vol. 31, *Some Food Additives, Feed Additives and Naturally Occurring Substances*, Lyon, pp. 191-206

- IARC (1986a) *IARC Monographs on the Evaluation of the Carcinogenic Risk of Chemicals to Humans*, Vol. 41, *Some Halogenated Hydrocarbons and Pesticide Exposures*, Lyon, pp. 43–85
- IARC (1986b) *IARC Monographs on the Evaluation of the Carcinogenic Risk of Chemicals to Humans*, Vol. 40, *Some Naturally Occurring and Synthetic Food Components, Furocoumarins and Ultraviolet Radiation*, Lyon, pp. 275–281
- IARC (1987) *IARC Monographs on the Evaluation of Carcinogenic Risks to Humans*, Suppl. 7, *Overall Evaluations of Carcinogenicity: An Updating of IARC Monographs Volumes 1–42*, Lyon, pp. 194–195, 364–366, 83–87, 271–272, 211–216
- International Coffee Organization (1982) *International Coffee Agreement 1983*, London
- International Coffee Organization (1988a) *Federal Republic of Germany. Summary of National Coffee Drinking Study 1987* (PC-558/88), London
- International Coffee Organization (1988b) *Japan; Proposal by the All Japan Coffee Association for the Continuation of Generic Promotion Activities in Coffee Year 1988–89* (PC-538/88), London
- International Coffee Organization (1989a) *Supply – Stocks, Production and Availability of Coffee in Exporting Member Countries, Crop Years and Coffee Years 1968 to 1988* (WP Agreement No. 11/88 (E) Rev. 2), London
- International Coffee Organization (1989b) *Prospectus of Coffee Education and Training Activity*, London
- International Coffee Organization (1989c) *ICO Basic Information. Objectives, Structure, History and Operation*, London
- International Coffee Organization (1989d) *Supply – Production of Arabica and Robusta Coffees* (WP Agreement No. 16/88 (E) Rev. 1), London
- International Coffee Organization (1989e) *Exports – Exports by Exporting Members to Members and Non-members, May 1989 and the Eight Months October–May 1988/89* (EB 3149/89 (E)), London
- International Coffee Organization (1989f) *Demands – Imports, Re-exports, Net Imports, Inventories, Disappearance and Household Purchases, Quarter October–December 1988 and the Twelve Months January–December 1988* (EB 3150/89 (E)), London
- International Coffee Organization (1989g) *Non-member Countries – Imports and Consumption of Coffee* (WP Agreement No. 48/89 (E)), London
- International Coffee Organization (1989h) *USA. Coffee Drinking Study, Winter 1989* (PC-585/89), London
- International Coffee Organization (1990) *Importing Members. Imports, Re-exports, Net Imports and Disappearance, Coffee Year 1988/89* (WP Board No. 723/90 (E)), London
- Iscovich, J., Castelletto, R., Estève, J., Muñoz, N., Colanzi, R., Coronel, A., Deamezola, I., Tassi, V. & Arslan, A. (1987) Tobacco smoking, occupational exposure and bladder cancer in Argentina. *Int. J. Cancer*, 40, 734–740
- Jacobsen, B.K., Bjelke, E., Kvåle, G. & Heuch, I. (1986) Coffee drinking, mortality and cancer incidence: results from a Norwegian prospective study. *J. natl Cancer Inst.*, 76, 823–831

- Jacobson, M.F., Goldman, A.S. & Syme, R.H. (1981) Coffee and birth defects (Letter to the Editor). *Lancet*, *i*, 1415-1416
- James, J.E. & Paull, I. (1985) Caffeine and human reproduction. *Rev. environ. Health*, *5*, 151-167
- Jarebinski, M., Adanja, B. & Vlajinac, H. (1989) Case-control study of relationship of some biosocial correlates to rectal cancer patients in Belgrade, Yugoslavia. *Neoplasma*, *36*, 369-374
- Jensen, O.M., Knudsen, J.B., Sørensen, B.L. & Clemmesen, J. (1983) Artificial sweeteners and absence of bladder cancer risk in Copenhagen. *Int. J. Cancer*, *32*, 577-582
- Jensen, O.M., Wahrendorf, J., Knudsen, J.B. & Sørensen, B.L. (1986) The Copenhagen case-control study of bladder cancer. II. Effect of coffee and other beverages. *Int. J. Cancer*, *37*, 651-657
- Jick, H. & Dinan, B.J. (1981) Coffee and pancreatic cancer (Letter to the Editor). *Lancet*, *ii*, 92
- Jick, H., Miettinen, O.S., Neff, R.K., Shapiro, S., Heinonen, O.P. & Slone, D. (1973) Coffee and myocardial infarction. *New Engl. J. Med.*, *289*, 63-67
- Joesoef, R., Beral, V., Rolfs, R.T., Aral, S.O. & Cramer, D.W. (1990) Are caffeinated beverages risk factors for delayed conception? *Lancet*, *i*, 136-137
- de Jong, U.W., Breslow, N., Hong, J.G.E., Sridharan, M. & Shanmugaratnam, K. (1974) Aetiological factors in oesophageal cancer in Singapore Chinese. *Int. J. Cancer*, *13*, 291-303
- Kabat, G.C., Dieck, G.S. & Wynder, E.L. (1986) Bladder cancer in nonsmokers. *Cancer*, *57*, 362-367
- Kam, J.K.-H. (1980) Mutagenic activity of caffeinated and decaffeinated coffee. *Cancer Detect. Prev.*, *3*, 507-511
- Kantor, A.F., Hartge, P., Hoover, R.N. & Fraumeni, J.F., Jr (1988) Epidemiological characteristics of squamous cell carcinoma and adenocarcinoma of the bladder. *Cancer Res.*, *48*, 3853-3855
- Kark, J.D., Friedlander, Y., Kaufmann, N.A. & Stein, Y. (1985) Coffee, tea, and plasma cholesterol: the Jerusalem Lipid Research Clinic prevalence study. *Br. med. J.*, *291*, 699-704
- Kasai, H., Kumeno, K., Yamaizumi, Z., Nishimura, S., Nagao, M., Fujita, Y., Sugimura, T., Nukaya, H. & Kosuge, T. (1982) Mutagenicity of methylglyoxal in coffee. *Gann*, *73*, 681-683
- Katsouyanni, K., Trichopoulos, D., Boyle, P., Xirouchaki, E., Trichopoulou, A., Lisseos, B., Vasilaros, S. & MacMahon, B. (1986) Diet and breast cancer: a case-control study in Greece. *Int. J. Cancer*, *38*, 815-820
- Katz, S.N. (1980) Decaffeination of coffee. In: *9e Colloque Scientifique International sur le Café, London, 16-20 June 1980*, Paris, Association Scientifique Internationale du Café, pp. 295-302
- Katz, S.N. (1987) Decaffeination. In: Clarke, R.J. & Macrae, R., eds, *Coffee*, Vol. 2, *Technology*, London, Elsevier Applied Science, pp. 59-71

- Katz, S.N. & Proscia, G.E. (1981) *Carbon-caffeine Separation*, US Patent 4,298,736 (General Foods Corp.)
- Kazi, T. (1985) Determination of caffeine and other purine alkaloids in coffee and tea products by high performance liquid chromatography. In: *11e Colloque Scientifique International sur le Café, Lomé, 1985*, Paris, Association Scientifique Internationale du Café, pp. 227-244
- Kessler, I.I. (1981) Coffee and cancer of the pancreas (Letter to the Editor). *New Engl. J. Med.*, 304, 1605
- Kikugawa, K., Kato, T. & Takahashi, S. (1989) Possible presence of 2-amino-3,4-dimethylimidazo[4,5-f]quinoline and other heterocyclic amine-like mutagens in roasted coffee beans. *J. agric. Food Chem.*, 37, 881-886
- Kinlen, L.J. & McPherson, K. (1984) Pancreas cancer and coffee and tea consumption: a case-control study. *Br. J. Cancer*, 49, 93-96
- Kinlen, L.J., Goldblatt, P., Fox, J. & Yudkin, J. (1984) Coffee and pancreas cancer: controversy in part explained? *Lancet*, i, 282-283
- Klatsky, A.L., Friedman, G.D. & Siegelau, A.B. (1973) Coffee drinking prior to acute myocardial infarction. Results from the Kaiser-Permanente epidemiologic study of myocardial infarction. *J. Am. med. Assoc.*, 226, 540-543
- Klatsky, A.L., Petitti, D.B., Armstrong, M.A. & Friedman, G.D. (1985) Coffee, tea and cholesterol. *Am. J. Cardiol.*, 55, 577-578
- Kosugi, A., Nagao, M., Suwa, Y., Wakabayashi, K. & Sugimura, T. (1983) Roasting coffee beans produces compounds that induce prophage  $\lambda$  in *E. coli* and are mutagenic in *E. coli* and *S. typhimurium*. *Mutat. Res.*, 116, 179-184
- Kovar, M.G., Fulwood, R. & Feinleib, M. (1983) Coffee and cholesterol (Letter to the Editor). *New Engl. J. Med.*, 309, 1249
- Kraft General Foods (1989) *Coffee Consumption*, White Plains, NY
- Kršnjavi, H. & Mimica, M. (1987) Coffee and alcohol consumption, and smoking habit in pregnancy (Slav.). *Arh. hig. rada Toksikol.*, 38, 141-147
- de Kruijf, N., Schouten, T. & van der Stegen, G.H.D. (1987) Rapid determination of benzo[a]pyrene in roasted coffee and coffee brew by high-performance liquid chromatography with fluorescence detection. *J. agric. Food Chem.*, 35, 545-549
- Kung, J.T., McNaught, R.P. & Yeransian, J.A. (1967) Determining volatile acids in coffee beverages by NMR and gas chromatography. *J. Food Sci.*, 32, 455-458
- Kurppa, K., Holmberg, P.C., Kuosma, E. & Saxén, L. (1983) Coffee consumption during pregnancy and selected congenital malformations: a nationwide case-control study. *Am. J. public Health*, 73, 1397-1399
- Kuzma, J.W. & Sokol, R.J. (1982) Maternal drinking behavior and decreased intrauterine growth. *Alcohol. clin. exp. Res.*, 6, 396-402
- LaCroix, A.Z., Mead, L.A., Liang, K.-Y., Thomas, C.B. & Pearson, T.A. (1986) Coffee consumption and the incidence of coronary heart disease. *New Engl. J. Med.*, 315, 977-982

- La Vecchia, C., Franceschi, S., Decarli, A., Gentile, A., Liati, P., Regallo, M. & Tognoni, G. (1984) Coffee drinking and the risk of epithelial ovarian cancer. *Int. J. Cancer*, *33*, 559-562
- La Vecchia, C., Talamini, R., Decarli, A., Franceschi, S., Parazzini, F. & Tognoni, G. (1986) Coffee consumption and the risk of breast cancer. *Surgery*, *100*, 477-481
- La Vecchia, C., Liati, P., Decarli, A., Negri, E. & Franceschi, S. (1987) Coffee consumption and risk of pancreatic cancer. *Int. J. Cancer*, *40*, 309-313
- La Vecchia, C., Negri, E., Decarli, A., D'Avanzo, B., Gallotti, L., Gentile, A. & Franceschi, S. (1988) A case-control study of diet and colo-rectal cancer in northern Italy. *Int. J. Cancer*, *41*, 492-498
- La Vecchia, C., Gentile, A., Negri, E., Parazzini, F. & Franceschi, S. (1989a) Coffee consumption and myocardial infarction in women. *Am. J. Epidemiol.*, *130*, 481-485
- La Vecchia, C., Negri, E., Decarli, A., D'Avanzo, B., Liberati, C. & Franceschi, S. (1989b) Dietary factors in the risk of bladder cancer. *Nutr. Cancer*, *12*, 93-101
- La Vecchia, C., Ferraroni, M., Negri, E., D'Avanzo, B., Decarli, A., Levi, F. & Franceschi, S. (1989c) Coffee consumption and digestive tract cancers. *Cancer Res.*, *49*, 1049-1051
- Lawson, D.H., Jick, H. & Rothman, K.J. (1981) Coffee and tea consumption and breast disease. *Surgery*, *90*, 801-803
- Lê, M.G. (1985) Coffee consumption, benign breast disease, and breast cancer (Letter to the Editor). *Am. J. Epidemiol.*, *122*, 721
- Lê, M.G., Hill, C., Kramar, A. & Flamant, R. (1984) Alcoholic beverage consumption and breast cancer in a French case-control study. *Am. J. Epidemiol.*, *120*, 350-357
- Lecos, C. (1984) The latest caffeine scorecard. *FDA Consumer*, *March*, 14-16
- Lee, H.P., Gourley, L., Duffy, S.W., Estève, J., Lee, J. & Day, N.E. (1989) Colorectal cancer and diet in an Asian population - a case-control study among Singapore Chinese. *Int. J. Cancer*, *43*, 1007-1016
- LeGrady, D., Dyer, A.R., Shekelle, R.B., Stamler, J., Liu, K., Paul, O., Lepper, M. & MacMillan Shryock, A. (1987) Coffee consumption and mortality in the Chicago Western Electric Company study. *Am. J. Epidemiol.*, *126*, 803-812
- Leviton, A. (1984) Epidemiologic studies of birth defects. In: Dews, P.B., ed., *Caffeine: Perspectives from Recent Research*, Berlin, Springer, pp. 188-200
- Leviton, A. (1988) Caffeine consumption and the risk of reproductive hazards. *J. reprod. Med.*, *33*, 175-178
- Lin, R.S. & Kessler, I.I. (1981) A multifactorial model for pancreatic cancer in man. Epidemiologic evidence. *J. Am. med. Assoc.*, *245*, 147-152
- Linn, S., Schoenbaum, S.C., Monson, R.R., Rosner, B., Stubblefield, P.G. & Ryan, K.J. (1982) No association between coffee consumption and adverse outcomes of pregnancy. *New Engl. J. Med.*, *306*, 141-145
- Little, J.A., Shanoff, H.M., Csima, A. & Yano, R. (1966) Coffee and serum-lipids in coronary heart-disease. *Lancet*, *i*, 732-734
- Lubin, J.H., Burns, P.E., Blot, W.J., Ziegler, R.G., Lees, A.W. & Fraumeni, J.F., Jr (1981) Dietary factors and breast cancer risk. *Int. J. Cancer*, *28*, 685-689

- Lubin, F., Ron, E., Wax, Y., Funaro, M., Shitrit, A., Black, M. & Modan, B. (1984) Coffee and methylxanthine in benign and malignant breast diseases. In: MacMahon, B. & Sugimura, T., eds, *Coffee and Health* (Banbury Report 17), Cold Spring Harbor, NY, CSH Press, pp. 177-187
- Lubin, F., Ron, E., Wax, Y. & Modan, B. (1985) Coffee and methylxanthines and breast cancer: a case-control study. *J. natl Cancer Inst.*, 74, 569-573
- Lyon, J.L., Klauber, M.R., Gardner, J.W. & Smart, C.R. (1976) Cancer incidence in Mormons and non-Mormons in Utah, 1966-1970. *New Engl. J. Med.*, 294, 129-132
- Lyon, J.L., Gardner, J.W. & West, D.W. (1980) Cancer incidence in Mormons and non-Mormons in Utah during 1967-75. *J. natl Cancer Inst.*, 65, 1055-1061
- Maarse, H. & Visscher, C.A. (1986) *Volatile Compounds in Foods. Qualitative Data. Roast Coffee* (Supplement 3), Zeist, Central Institute for Nutrition and Food Research, TNO
- Mabuchi, K., Bross, D.S. & Kessler, I.I. (1985a) Risk factors for male breast cancer. *J. natl Cancer Inst.*, 74, 371-375
- Mabuchi, K., Bross, D.S. & Kessler, I.I. (1985b) Epidemiology of cancer of the vulva. A case-control study. *Cancer*, 55, 1843-1848
- Mack, T.M., Yu, M.C., Hanisch, R. & Henderson, B.E. (1986) Pancreas cancer and smoking, beverage consumption, and past medical history. *J. natl Cancer Inst.*, 76, 49-60
- MacMahon, B., Yen, S., Trichopoulos, D., Warren, K. & Nardi, G. (1981a) Coffee and cancer of the pancreas. *New Engl. J. Med.*, 304, 630-633
- MacMahon, B., Yen, S., Trichopoulos, D., Warren, K. & Nardi, G. (1981b) Coffee and cancer of the pancreas (Letter to the Editor). *New Engl. J. Med.*, 304, 1605-1606
- Macquart-Moulin, G., Riboli, E., Cornee, J., Charnay, B., Berthezène, P. & Day, N. (1986) Case-control study on colorectal cancer and diet in Marseilles. *Int. J. Cancer*, 38, 183-191
- Macrae, R. (1985) Nitrogenous compounds. In: Clarke, R.J. & Macrae, R., eds, *Coffee*, Vol. 1, *Chemistry*, London, Elsevier Applied Science, pp. 115-152
- Maier, H.G. (1981) *Kaffee*, Berlin, Paul Parey, pp. 33-35, 63
- Maier, H.G. (1987a) The acids of coffee. In: *12e Colloque Scientifique International sur le Café, Montreux, 1987*, Paris, Association Scientifique Internationale du Café, pp. 229-237
- Maier, H.G. (1987b) Introduction. In: Clarke, R.J. & Macrae, R., eds, *Coffee*, Vol. 5, *Related Beverages*, London, Elsevier Applied Science, pp. 1-18
- Malizia, P.D. & Trumbetas, J.F. (1984) *Decaffeination of a Coffee Extract*, US Patent 4,446,162 (General Foods Corp.)
- Mann, J.I. & Thorogood, M. (1975) Coffee-drinking and myocardial infarction (Letter to the Editor). *Lancet*, ii, 1215
- Mansel, R.E., Webster, D.J.T., Burr, M. & St Leger, S. (1982) Is there a relationship between coffee consumption and breast disease? (Abstract No. 69). *Surg. Res. Soc.*, 69, 295-296
- Marrett, L.D., Walter, S.D. & Meigs, J.W. (1983) Coffee drinking and bladder cancer in Connecticut. *Am. J. Epidemiol.*, 117, 113-127

- Martin, H. (1982) Selective extraction of caffeine from green coffee beans and the application of similar processes on other natural products. In: *10e Colloque Scientifique International sur le Café, Salvador (Bahia), 1982*, Paris, Association Scientifique Internationale du Café, pp. 21–28
- Martin, T.R. & Bracken, M.B. (1987) The association between low birth weight and caffeine consumption during pregnancy. *Am. J. Epidemiol.*, *126*, 813–821
- Martinez, I. (1969) Factors associated with cancer of the esophagus, mouth, and pharynx in Puerto Rico. *J. natl Cancer Inst.*, *42*, 1069–1094
- Mathias, S., Garland, C., Barrett-Connor, E. & Wingard, D.L. (1985) Coffee, plasma cholesterol, and lipoproteins. A population study in an adult community. *Am. J. Epidemiol.*, *121*, 896–905
- Mätzel, U. & Maier, H.G. (1983) Diterpenes in coffee. II. Glycosides of atractyligenin (Ger.). *Z. Lebensmittel. Untersuch. Forsch.*, *176*, 281–284
- Mau, G. & Netter, P. (1974) Coffee and alcohol consumption. Risk factors during pregnancy? (Ger). *Geburtsh. Frauenheilk.*, *34*, 1018–1022
- McCredie, M., Ford, J.M. & Stewart, J.H. (1988) Risk factors for cancer of the renal parenchyma. *Int. J. Cancer*, *42*, 13–16
- McGowan, L., Parent, L., Lednar, W. & Norris, H.J. (1979) The woman at risk for developing ovarian cancer. *Gynecol. Oncol.*, *7*, 325–344
- McLaughlin, J.K., Blot, W.J., Mandel, J.S., Schuman, L.M., Mehl, E.S. & Fraumeni, J.F., Jr (1983) Etiology of cancer of the renal pelvis. *J. natl Cancer Inst.*, *71*, 287–291
- McLaughlin, J.K., Mandel, J.S., Blot, W.J., Schuman, L.M., Mehl, E.S. & Fraumeni, J.F., Jr (1984) A population-based case-control study of renal cell carcinoma. *J. natl Cancer Inst.*, *72*, 275–284
- Mettlin, C. (1989) Milk drinking, other beverage habits, and lung cancer risk. *Int. J. Cancer*, *43*, 608–612
- Mettlin, C. & Graham, S. (1979) Dietary risk factors in human bladder cancer. *Am. J. Epidemiol.*, *110*, 255–263
- Meyer, J.F., Jr (1906) *Improvement Relating to the Preparation or Treatment of Coffee*, British Patent 6375, London, His Majesty's Stationery Office
- Meyer, J.F., Jr, Roselius, L. & Wimmer, K. (1908) *Removing Caffeine from Coffee*, US Patent 897,763 [*Chem. Abstr.*, 1909, 3, p. 344]
- Miller, A.B. (1977) The etiology of bladder cancer from the epidemiological viewpoint. *Cancer Res.*, *37*, 2939–2942
- Miller, C.T., Neutel, C.I., Nair, R.C., Marrett, L.D., Last, J.M. & Collins, W.E. (1978) Relative importance of risk factors in bladder carcinogenesis. *J. chron. Dis.*, *31*, 51–56
- Miller, D.R., Rosenberg, L., Helmrach, S.P., Kaufman, D.W. & Shapiro, S. (1984) Ovarian cancer and coffee drinking. In: MacMahon, B. & Sugimura, T., eds, *Coffee and Health* (Banbury Report 17), Cold Spring Harbor, NY, CSH Press, pp. 157–165
- Miller, D.R., Rosenberg, L., Kaufman, D.W., Helmrach, S.P., Schottenfeld, D., Lewis, J., Stolley, P.D., Rosenshein, N. & Shapiro, S. (1987) Epithelial ovarian cancer and coffee drinking. *Int. J. Epidemiol.*, *16*, 13–17

- Miller, E.G., Formby, W.A., Rivera-Hidalgo, F. & Wright, J.M. (1988) Inhibition of hamster buccal pouch carcinogenesis by green coffee beans. *Oral Surg. oral Med. oral Pathol.*, *65*, 745-749
- Mills, P.K., Beeson, W.L., Abbey, D.E., Fraser, G.E. & Phillips, R.L. (1988) Dietary habits and past medical history as related to fatal pancreas cancer risk among Adventists. *Cancer*, *61*, 2578-2585
- Mitchell, H.W. (1988) Cultivation and harvesting of the arabica coffee tree. In: Clarke, R.J. & Macrae, R., eds, *Coffee*, Vol. 4, *Agronomy*, London, Elsevier Applied Science, pp. 43-90
- Mommsen, S., Aagaard, J. & Sell, A. (1983a) An epidemiological study of bladder cancer in a predominantly rural district. *Scand. J. Urol. Nephrol.*, *17*, 307-312
- Mommsen, S., Aagaard, J. & Sell, A. (1983b) A case-control study of female bladder cancer. *Eur. J. Cancer clin. Oncol.*, *19*, 725-729
- Morgan, R.W. & Jain, M.G. (1974) Bladder cancer: smoking, beverages and artificial sweeteners. *Can. med. Assoc. J.*, *111*, 1067-1070
- Mori, H. & Hirono, I. (1977) Effect of coffee on carcinogenicity of cycasin. *Br. J. Cancer*, *35*, 369-371
- Morrison, A.S. (1978) Geographic and time trends of coffee imports and bladder cancer. *Eur. J. Cancer*, *14*, 51-54
- Morrison, R.L., Jr & Phillips, J.H. (1983) *Accelerated Decaffeinated Process*, European Patent 0,114,426 A1 (Procter & Gamble Co.)
- Morrison, A.S., Buring, J.E., Verhoek, W.G., Aoki, K., Leck, I., Ohno, Y. & Obata, K. (1982) Coffee drinking and cancer of the lower urinary tract. *J. natl Cancer Inst.*, *68*, 91-94
- Müller-Henniges, H.-G. & Rothfos, B. (1989) *European Coffee Report 1988*, Amsterdam, European Coffee Federation
- Muñoz, L., Keen, C.L., Lönnerdal, B. & Dewey, K.G. (1986) Coffee intake during pregnancy and lactation in rats: maternal and pup hematological parameters and liver iron, zinc and copper concentration. *J. Nutr.*, *116*, 1326-1333
- Muñoz, L., Lönnerdal, B., Keen, C.L. & Dewey, K.G. (1988) Coffee consumption as a factor in iron deficiency anemia among pregnant women and their infants in Costa Rica. *Am. J. clin. Nutr.*, *48*, 645-651
- Murphy, S.J. & Benjamin, C.P. (1981) The effects of coffee on mouse development. *Microbios. Lett.*, *17*, 91-100
- Nagao, M., Takahashi, Y., Yamanaka, H. & Sugimura, T. (1979) Mutagens in coffee and tea. *Mutat. Res.*, *68*, 101-106
- Nagao, M., Suwa, Y., Yoshizumi, H. & Sugimura, T. (1984) Mutagens in coffee. In: MacMahon, B. & Sugimura, T., eds, *Coffee and Health* (Banbury Report 17), Cold Spring Harbor, NY, CSH Press, pp. 69-77
- Nagao, M., Fujita, Y. & Sugimura, T. (1986a) Methylglyoxal in beverages and foods: its mutagenicity and carcinogenicity. In: Singer, B. & Bartsch, H., eds, *The Role of Cyclic Nucleic Acid Adducts in Carcinogenesis and Mutagenesis* (IARC Scientific Publications No. 70), Lyon, IARC, pp. 283-291

- Nagao, M., Fujita, Y., Wakabayashi, K., Nukaya, H., Kosuge, T. & Sugimura, T. (1986b) Mutagens in coffee and other beverages. *Environ. Health Perspect.*, 67, 89-91
- Naismith, D.J., Akinyanju, P.A. & Yudkin, J. (1969) Influence of caffeine-containing beverages on the growth, food utilization and plasma lipids of the rat. *J. Nutr.*, 97, 375-381
- Najem, G.R., Louria, D.B., Seebode, J.J., Thind, I.S., Prusakowski, J.M., Ambrose, R.B. & Fernicola, A.R. (1982) Life time occupation, smoking, caffeine, saccharine, hair dyes and bladder carcinogenesis. *Int. J. Epidemiol.*, 11, 212-217
- Nakasato, F., Nakayasu, M., Fujita, Y., Nagao, M., Terada, M. & Sugimura, T. (1984) Mutagenicity of instant coffee on cultured Chinese hamster lung cells. *Mutat. Res.*, 141, 109-112
- Nestlé (1989) *Coffee Consumption*, Vevey
- Nichols, A.B., Ravenscroft, C., Lamphiear, D.E. & Ostrander, L.D., Jr (1976) Independence of serum lipid levels and dietary habits: the Tecumseh study. *J. Am. med. Assoc.*, 236, 1948-1953
- Nishikawa, A., Tanaka, T. & Mori, H. (1986) An inhibitory effect of coffee on nitrosamine-hepatocarcinogenesis with aminopyrine and sodium nitrite in rats. *J. Nutr. Growth Cancer*, 3, 161-166
- Nolen, G.A. (1981) The effect of brewed and instant coffee on reproduction and teratogenesis in the rat. *Toxicol. appl. Pharmacol.*, 58, 171-183
- Nolen, G.A. (1982) A reproduction/teratology study of brewed and instant decaffeinated coffees. *J. Toxicol. environ. Health*, 10, 769-783
- Nomura, A., Stemmermann, G.N. & Heilbrun, L.K. (1981) Coffee and pancreatic cancer (Letter to the Editor). *Lancet*, ii, 415
- Nomura, A., Heilbrun, L.K. & Stemmermann, G.N. (1984) Coffee and pancreatic cancer (Letter to the Editor). *Lancet*, i, 917
- Nomura, A., Heilbrun, L.K. & Stemmermann, G.N. (1986) Prospective study of coffee consumption and the risk of cancer. *J. natl Cancer Inst.*, 76, 587-590
- Norell, S.E., Ahlbom, A., Erwald, R., Jacobson, G., Lindberg-Navier, I., Olin, R., Törnberg, B. & Wiechel, K.-L. (1986) Diet and pancreatic cancer: a case-control study. *Am. J. Epidemiol.*, 124, 894-902
- Obana, H., Nakamura, S.-I. & Tanaka, R.-I. (1986) Suppressive effects of coffee on the SOS responses induced by UV and chemical mutagens. *Mutat. Res.*, 175, 47-50
- Ohno, Y., Aoki, K., Obata, K. & Morrison, A.S. (1985) Case-control study of urinary bladder cancer in metropolitan Nagoya. *Natl Cancer Inst. Monogr.*, 69, 229-234
- Olsen, G.W., Mandel, J.S., Gibson, R.W., Wattenberg, L.W. & Schuman, L.M. (1989) A case-control study of pancreatic cancer and cigarettes, alcohol, coffee and diet. *Am. J. publ. Health*, 79, 1016-1019
- Paffenbarger, R.S., Jr., Wing, A.L. & Hyde, R.T. (1978) Characteristics in youth predictive of adult-onset malignant lymphomas, melanomas and leukemias: brief communication. *J. natl Cancer Inst.*, 60, 89-92
- Pagliaro, F.A., Franklin, J.G. & Gasser, R.J. (1984) *Decaffeination Process*, US Patent 4,465,669 (Société d'Assistance Technique pour Produits Nestlé)

- Palm, P.E., Arnold, E.P., Rachwall, P.C., Leyczek, J.C., Teague, K.W. & Kensler, C.J. (1978) Evaluation of the teratogenic potential of fresh-brewed coffee and caffeine in the rat. *Toxicol. appl. Pharmacol.*, 44, 1-16
- Palm, P.E., Arnold, E.P., Nick, M.S., Valentine, J.R. & Doerfler, T.E. (1984) Two-year toxicity/carcinogenicity study of fresh-brewed coffee in rats initially exposed *in utero*. *Toxicol. appl. Pharmacol.*, 74, 364-382
- Pannelli, F., La Rosa, F., Saltalamacchia, G., Vitali, R., Petrinelli, A.M. & Mastrandrea, V. (1989) Tobacco smoking, coffee, cocoa and tea consumption in relation to mortality from urinary bladder cancer in Italy. *Eur. J. Epidemiol.*, 5, 392-397
- Paoletti, R., Corsini, A., Tremoli, E., Fumagalli, R. & Catapano, A.L. (1989) Effects of coffee on plasma lipids, lipoproteins and apolipoproteins. *Pharmacol. Res.*, 21, 27-38
- Patel, J.M. & Wolfson, A.B. (1972) *Semi-continuous Countercurrent Decaffeination Process*, US Patent 3,671,263 (Procter & Gamble Co.)
- Petracco, M. (1990) Physico-chemical and structural characterisation of 'espresso' coffee brew. In: *13e Colloque Scientifique International sur le Café, Paipa, Colombia, 1990*, Paris, Association Scientifique Internationale du Café (in press)
- Phelps, H.M. & Phelps, C.E. (1988) Caffeine ingestion and breast cancer. A negative correlation. *Cancer*, 61, 1051-1054
- Phillips, R.L. & Snowdon, D.A. (1983) Association of meat and coffee use with cancers of the large bowel, breast and prostate among Seventh-day Adventists: preliminary results. *Cancer Res.*, 43 (Suppl.), 2403s-2408s
- Phillips, R.L. & Snowdon, D.A. (1985) Dietary relationships with fatal colorectal cancer among Seventh-day Adventists. *J. natl Cancer Inst.*, 74, 307-317
- Phillips, N.R., Havel, R.J. & Kane, J.P. (1981) Levels and interrelationships of serum and lipoprotein cholesterol and triglycerides. Association with adiposity and the consumption of ethanol, tobacco, and beverages containing caffeine. *Arteriosclerosis*, 1, 13-24
- Pictet, G. (1987) Home and catering brewing of coffee. In: Clarke, R.J. & Macrae, R., eds, *Coffee*, Vol. 2, *Technology*, London, Elsevier Applied Science, pp. 221-256
- Pieters, J.J.L. (1985) Nutritional teratogens: a survey of the epidemiological literature. *Progr. clin. biol. Res.*, 163B, 419-429
- Pietinen, P., Geboers, J. & Kesteloot, H. (1988) Coffee consumption and serum cholesterol: an epidemiological study in Belgium. *Int. J. Epidemiol.*, 17, 98-104
- Pietinen, P., Aro, A., Tuomilehto, J., Uusitalo, U. & Korhonen, H. (1990) Consumption of boiled coffee is correlated with serum cholesterol in Finland. *Int. J. Epidemiol.*, 19, 586-590
- Piper, J.M., Matanoski, G.M. & Tonascia, J. (1986) Bladder cancer in young women. *Am. J. Epidemiol.*, 123, 1033-1042
- Pozner, J., Papatestas, A.E., Fagerstrom, R., Schwartz, I., Saevitz, J., Feinberg, M. & Aufses, A.H., Jr (1986) Association of tumor differentiation with caffeine and coffee intake in women with breast cancer. *Surgery*, 100, 482-488
- Raymond, L., Infante, F., Tuyns, A.J., Voirol, M. & Lowenfels, A.B. (1987) Diet and cancer of the pancreas (Fr). *Gastroenterol. clin. biol.*, 11, 488-492

- Rebelakos, A., Trichopoulos, D., Tzonou, A., Zavitsanos, X., Velonakis, E. & Trichopoulou, A. (1985) Tobacco smoking, coffee drinking and occupation as risk factors for bladder cancer in Greece. *J. natl Cancer Inst.*, 75, 455-461
- Reidy, J.A., Annett, J.L., Chen, A.T.L. & Welty, T.K. (1988) Increased sister chromatid exchange associated with smoking and coffee consumption. *Environ. mol. Mutagenesis*, 12, 311-318
- Risch, H.A., Burch, J.D., Miller, A.B., Hill, G.B., Steele, R. & Howe, G.R. (1988) Dietary factors and the incidence of cancer of the urinary bladder. *Am. J. Epidemiol.*, 127, 1179-1191
- Roberts, H.R. & Barone, J.J. (1983) Caffeine. History and use. *Food Technol.*, September, 32-39
- Roebuck, B.D., MacMillan, D.L., Baumgartner, K.J. & Ruggiero, M.L. (1985) Evaluation of the carcinogenic potential of coffee for the rat pancreas (Abstract No. 59). *Toxicologist*, 5, 15
- Rosenberg, L., Slone, D., Shapiro, S., Kaufman, D.W., Stolley, P.D. & Miettinen, O.S. (1980) Coffee drinking and myocardial infarction in young women. *Am. J. Epidemiol.*, 111, 675-681
- Rosenberg, L., Mitchell, A.A., Shapiro, S. & Slone, D. (1982) Selected birth defects in relation to caffeine-containing beverages. *J. Am. med. Assoc.*, 247, 1429-1432
- Rosenberg, L., Miller, D.R., Helmrich, S.P., Kaufman, D.W. & Shapiro, S. (1984) Breast cancer and coffee drinking. In: MacMahon, B. & Sugimura, T., eds, *Coffee and Health* (Banbury Report 17), Cold Spring Harbor, NY, CSH Press, pp. 189-195
- Rosenberg, L., Miller, D.R., Helmrich, S.P., Kaufman, D.W., Schottenfeld, D., Stolley, P.D. & Shapiro, S. (1985) Breast cancer and the consumption of coffee. *Am. J. Epidemiol.*, 122, 391-399
- Rosenberg, L., Werler, M.M., Kaufman, D.W. & Shapiro, S. (1987) Coffee drinking and myocardial infarction in young women: an update. *Am. J. Epidemiol.*, 126, 147-149
- Rosenberg, L., Palmer, J.R., Kelly, J.P., Kaufman, D.W. & Shapiro, S. (1988) Coffee drinking and nonfatal myocardial infarction in men under 55 years of age. *Am. J. Epidemiol.*, 128, 570-578
- Rosenberg, L., Werler, M.M., Palmer, J.R., Kaufman, D.W., Warshauer, M.E., Stolley, P.D. & Shapiro, S. (1989) The risks of cancers of the colon and rectum in relation to coffee consumption. *Am. J. Epidemiol.*, 130, 895-903
- Ross, R.K., Paganini-Hill, A., Landolph, J., Gerkins, V. & Henderson, B.E. (1989) Analgesics, cigarette smoking, and other risk factors for cancer of the renal pelvis and ureter. *Cancer Res.*, 49, 1045-1048
- Rothfos, B. (1986) *Coffee Consumption*, Hamburg, Gordian-Max Rieck
- Ruschenburg, U. (1985) Benzo[a]pyrene content of coffee and some other foodstuffs (Ger.). In: *11e Colloque Scientifique International sur le Café, Lomé, 1985*, Paris, Association Scientifique Internationale du Café, pp. 205-212
- Schairer, C., Brinton, L.A. & Hoover, R.N. (1987) Methylxanthines and breast cancer. *Int. J. Cancer*, 40, 469-473

- Schmauz, R. & Cole, P. (1974) Epidemiology of cancer of the renal pelvis and ureter. *J. natl Cancer Inst.*, 52, 1431-1434
- Schneider, K.T.M. (1987) Caffeine and pregnancy (Ger). *Gynäkologe*, 20, 123-128
- Schormüller, J., Brandenburg, W. & Langner, H. (1961) Organic acids in coffee replacement compounds as well as in dry extract powder of coffee and replacement compounds and of coffee (Ger.). *Z. Lebensmittel. Untersuch. Forsch.*, 119, 226-235
- Scott, N.R., Chakraborty, J. & Marks, V. (1989) Caffeine consumption in the United Kingdom: a retrospective survey. *Food Sci. Nutr.*, 42F, 183-191
- Sen, N.P. & Seaman, S.W. (1981) Volatile N-nitrosamines in dried foods. *J. Assoc. off. anal. Chem.*, 64, 1238-1242
- Sen, N.P., Seaman, S.W. & Weber, D. (1990) Mass spectrometric confirmation of the presence of N-nitrosopyrrolidine in instant coffee. *J. Assoc. off. anal. Chem.* (in press)
- Severson, R.K., Davis, S. & Polissar, L. (1982) Smoking, coffee and cancer of the pancreas (Letter to the Editor). *Br. med. J.*, 285, 214
- Shane, B.S., Troxclair, A.M., McMillin, D.J. & Henry, C.B. (1988) Comparative mutagenicity of nine brands of coffee to *Salmonella typhimurium* TA100, TA102 and TA104. *Environ. mol. Mutagenesis*, 11, 195-206
- Shennan, D.H. (1973) Renal carcinoma and coffee consumption in 16 countries. *Br. J. Cancer*, 28, 473-474
- Shimizu, M. & Yano, E. (1987) Mutagenicity of instant coffee and its interaction with dimethylnitrosamine in the micronucleus test. *Mutat. Res.*, 189, 307-311
- Shirlow, M.J. & Mathers, C.D. (1984) Caffeine consumption and serum cholesterol levels. *Int. J. Epidemiol.*, 13, 422-427
- Silwar, R. (1982) *Gaschromatographisch-massenspektrometrische untersuchungen schwefelhaltiger Verbindungen in Röstkaffee und Cystein/Methionin - Modellsystemen* [Gas Chromatographic-Mass Spectrometric Investigation of Sulfur Containing Compounds in Roasted Coffee and Cysteine/methionine - Model Systems], Thesis, University of Berlin
- Silwar, R., Kamperschröer, H. & Tressl, R. (1986a) Gas chromatographic-mass spectrometric analyses of roasted coffee aroma. Quantitative determination of steam-volatile aroma constituents (Ger.). *Mikrobiol. Technol. Lebensmittel*, 10, 176-187
- Silwar, R., Bendig, J., Walter, G. & Dommers, D. (1986b) Capillary gas chromatographic study of volatile sulfur compounds of coffee aroma by FID/FPD-detection (Ger). *Lebensmittel. Gerichtl. Chem.*, 40, 84-88
- Simon, D., Yen, S. & Cole, P. (1975) Coffee drinking and cancer of the lower urinary tract. *J. natl Cancer Inst.*, 54, 587-591
- Simpson, P.R. (1988) Caffeine sources in the diet and caffeine intakes. *Food Technol. Austr.*, January, *Suppl.*, ii-iv
- Singer, G.M. & Lijinsky, W. (1976) Naturally occurring nitrosatable compounds. I. Secondary amines in foodstuffs. *J. agric. Food Chem.*, 24, 550-553
- Slattery, M.L., West, D.W. & Robison, L.M. (1988) Fluid intake and bladder cancer in Utah. *Int. J. Cancer*, 42, 17-22

- Smith, D.F., MacGregor, J.T., Hiatt, R.A., Hooper, N.K., Wehr, C.M., Peters, B., Goldman, L.R., Yuan, L.A., Smith, P.A. & Becker, C.E. (1990) Micronucleated erythrocytes as an index of cytogenetic damage in humans: demographic and dietary factors associated with micronucleated erythrocytes in splenectomized subjects. *Cancer Res.*, *50*, 5049-5054
- Snoeck, J. (1988) Cultivation and harvesting of the robusta coffee tree. In: Clarke, R.J. & Macrae, R., eds, *Coffee*, Vol. 4, *Agronomy*, London, Elsevier Applied Science, pp. 91-128
- Snowdon, D.A. & Phillips, R.L. (1984) Coffee consumption and risk of fatal cancers. *Am. J. publ. Health*, *74*, 820-823
- Spiller, M.A. (1984a) The chemical components of coffee. In: Spiller, G.A., ed., *The Methylxanthine Beverages and Foods: Chemistry, Consumption, and Health Effects*, New York, Alan R. Liss, pp. 91-147
- Spiller, M.A. (1984b) Coffee plant and processing. In: Spiller, G.A., ed., *The Methylxanthine Beverages and Foods: Chemistry, Consumption and Health Effects*, New York, Alan R. Liss, pp. 75-89
- Spiller, G.A., ed. (1984c) *The Methylxanthine Beverages and Foods: Chemistry, Consumption and Health Effects*, New York, Alan R. Liss
- Srisuphan, W. & Bracken, M.B. (1986) Caffeine consumption during pregnancy and association with late spontaneous abortion. *Am. J. Obstet. Gynecol.*, *154*, 14-20
- Stalder, R., Luginbühl, H., Bexter, A. & Würzner, H.-P. (1984) Preliminary findings of a carcinogen bioassay of coffee in mice. In: MacMahon, B. & Sugimura, T., eds, *Coffee and Health* (Banbury Report 17), Cold Spring Harbor, New York, CSH Press, pp. 79-88
- Stavric, B., Klassen, R., Watkinson, B., Karpinski, K., Stapley, R. & Fried, P. (1988) Variability in caffeine consumption from coffee and tea: possible significance for epidemiological studies. *Food chem. Toxicol.*, *26*, 111-118
- van der Stegen, G.H.D. (1979) The effect of dewaxing of green coffee on the coffee brew. In: Birch, G.G. & Green, L.F., eds, *Food Chemistry*, Vol. 4, London, Applied Science, pp. 23-29
- van der Stegen, G.H.D. & van Duijn, J. (1987) Analysis of normal organic acids in coffee. In: *12e Colloque Scientifique International sur le Café, Montreux, 1987*, Paris, Association Scientifique Internationale du Café, pp. 238-246
- Stensvold, I., Tverdal, A. & Foss, O.P. (1989) The effect of coffee on blood lipids and blood pressure. Results from a Norwegian cross-sectional study, men and women, 40-42 years. *J. clin. Epidemiol.*, *42*, 877-884
- Stich, H.F., Rosin, M.P. & Bryson, L. (1982) Inhibition of mutagenicity of a model nitrosation reaction by naturally occurring phenolics, coffee and tea. *Mutat. Res.*, *95*, 119-128
- Stocks, P. (1957) Statistical survey of cancer in North Wales and Liverpool region. *Br. Empire Cancer Cgn.*, *35th Ann. Rep.*, Part II, 496-501
- Stocks, P. (1970) Cancer mortality in relation to national consumption of cigarettes, solid fuel, tea and coffee. *Br. J. Cancer*, *24*, 215-225
- Stone, M.C. (1987) Coffee and coronary heart disease. *J. R. Coll. gen. Pract.*, *37*, 146-147

- van Straten, S., Maarse, H., de Beauvasser, J.C. & Visscher, C.A., eds (1983) *Volatile Compounds in Food*, Vol. 2, *Quantitative Data* (Sections 72.1-72.11), Zeist, Central Institute for Nutrition and Food Research, TNO
- Strobel, R.G.K. (1988a) Polycyclic aromatic hydrocarbon contaminants in coffee. In: Clarke, R.J. & Macrae, R., eds, *Coffee*, Vol. 3, *Physiology*, London, Elsevier Applied Science, pp. 321-364
- Strobel, R.G.K. (1988b) Allergens and mould toxin contaminants. In: Clarke, R.J. & Macrae, R., eds, *Coffee*, Vol. 3, *Physiology*, London, Elsevier Applied Science, pp. 215-320
- Strubelt, O., Siegers, C.-P., Breining, H. & Steffen, J. (1973) Experimental studies on chronic toxicity of coffee and caffeine (Ger.). *Z. Ernährungsw.*, 12, 252-260
- Sugimura, T. (1982) Mutagens in cooked food. In: Fleck, R.A. & Hollaender, A., eds, *Genetic Toxicology*, New York, Plenum Press, pp. 243-269
- Sugimura, T. & Sato, S. (1983) Mutagens-carcinogens in foods. *Cancer Res.*, 43 (Suppl.), 2415s-2421s
- Sugimura, T., Nagao, M., Suwa, Y. & Takayama, S. (1984) Mutagens in coffee - background and present knowledge of mutagens/carcinogens produced by pyrolysis. In: MacMahon, B. & Sugimura, T., eds, *Coffee and Health* (Banbury Report 17), Cold Spring Harbor, NY, CSH Press, pp. 59-67
- Sullivan, J.W. (1982) Epidemiologic survey of bladder cancer in greater New Orleans. *J. Urol.*, 128, 281-283
- Suwa, Y., Nagao, M., Kosugi, A. & Sugimura, T. (1982) Sulfite suppresses the mutagenic property of coffee. *Mutat. Res.*, 102, 383-391
- Swain, A.R., Dutton, S.P. & Truswell, A.S. (1985) Salicylates in foods. *J. Am. Diet. Assoc.*, 85, 950-960
- Tajima, K. & Tominaga, S. (1985) Dietary habits and gastro-intestinal cancers: a comparative case-control study of stomach and large intestinal cancers in Nagoya, Japan. *Jpn. J. Cancer Res. (Gann)*, 76, 705-716
- Takahashi, E. (1964) Coffee consumption and mortality for prostate cancer. *Tohoku J. exp. Med.*, 82, 218-223
- Takahashi, S., Kato, T. & Kikugawa, K. (1989) Formation and content of 2-amino-3,4-dimethylimidazo[4,5-f]quinoline in roasted coffee beans (Abstract No. 57). *Mutat. Res.*, 216, 380
- Thelle, D.S., Arnesen, E. & Førde, O.H. (1983) The Tromsø heart study. Does coffee raise serum cholesterol? *New Engl. J. Med.*, 308, 1454-1457
- Thelle, D.S., Heyden, S. & Fodor, J.G. (1987) Coffee and cholesterol in epidemiological and experimental studies. *Atherosclerosis*, 67, 97-103
- Tikkanen, J. & Heinonen, O.P. (1988) Cardiovascular malformations and organic solvent exposure during pregnancy in Finland. *Am. J. ind. Med.*, 14, 1-8
- Töhnai, I., Oka, T. & Ohno, Y. (1984) A case-control study on cleft lip and/or palate: maternal dietary practices in early pregnancy (Abstract). *Teratology*, 30, 23A

- Tressl, R. (1977) Di- and triphenols in arabica, robusta and arabusta coffees (Ger.). In: *8e Colloque Scientifique International sur le Café, Abidjan, 1977*, Paris, Association Scientifique Internationale du Café, pp. 117-120
- Tressl, R. (1980) Formation of aromatic compounds through the Maillard reaction (Ger.). In: *9e Colloque Scientifique International sur le Café, London, 1980*, Paris, Association Scientifique Internationale du Café, pp. 55-76
- Tressl, R. & Silwar, R. (1981) Investigation of sulfur-containing components in roasted coffee. *J. agric. Food Chem.*, *29*, 1078-1082
- Tressl, R., Bahri, D., Köppler, H. & Jensen, A. (1978a) Diphenols and caramel compounds in roasted coffees of different varieties. II. (Ger). *Z. Lebensmittel Untersuch. Forsch.*, *167*, 111-114
- Tressl, R., Grünwald, K.G., Köppler, H. & Silwar, R. (1978b) Volatile phenols in roasted coffee of different varieties. I. (Ger). *Z. Lebensmittel Untersuch. Forsch.*, *167*, 108-110
- Tressl, R., Grünwald, K.G. & Silwar, R. (1981) Gas chromatographic-mass spectrometric investigation of *N*-alkyl- and *N*-furfurylpyrroles in roasted coffee (Ger.). *Chem. Mikrobiol. Technol. Lebensmittel*, *7*, 28-32
- Trichopoulos, D., Papapostolou, M. & Polychronopoulou, A. (1981) Coffee and ovarian cancer. *Int. J. Cancer*, *28*, 691-693
- Trichopoulos, D., Tzonou, A., Polychronopoulou, A. & Day, N.E. (1984) A case-control investigation of a possible association between coffee consumption and ovarian cancer in Greece. In: MacMahon, B. & Sugimura, T., eds, *Coffee and Health* (Banbury Report 17), Cold Spring Harbor, NY, CSH Press, pp. 149-155
- Trichopoulos, D., Ouranos, G., Day, N.E., Tzonou, A., Manousos, O., Papadimitriou, C. & Trichopoulou, A. (1985) Diet and cancer of the stomach: a case-control study in Greece. *Int. J. Cancer*, *36*, 291-297
- Trugo, L.C. (1984) *HPLC in Coffee Analysis*, PhD Thesis, University of Reading
- Trugo, L.C. (1985) Carbohydrates. In: Clarke, R.J. & Macrae, R., eds, *Coffee*, Vol. 1, *Chemistry*, London, Elsevier Applied Science, pp. 83-114
- Trugo, L.C. & Macrae, R. (1984a) A study of the effect of roasting on the chlorogenic acid composition of coffee using HPLC. *Food Chem.*, *15*, 219-227
- Trugo, L.C. & Macrae, R. (1984b) Chlorogenic acid composition of instant coffees. *Analyst*, *109*, 263-266
- Trugo, L.C., Macrae, R. & Dick, J. (1983) Determination of purine alkaloids and trigonelline in instant coffee and other beverages using high performance liquid chromatography. *J. Sci. Food Agric.*, *34*, 300-306
- Tucker, J.D., Taylor, R.T., Christensen, M.L., Strout, C.L. & Hanna, M.L. (1989) Cytogenetic response to coffee in Chinese hamster ovary AUXB1 cells and human peripheral lymphocytes. *Mutagenesis*, *4*, 343-348
- Tuomilehto, J., Tanskanen, A., Pietinen, P., Aro, A., Salonen, J.T., Happonen, P., Nissinen, A. & Puska, P. (1987) Coffee consumption is correlated with serum cholesterol in middle-aged Finnish men and women. *J. Epidemiol. Community Health*, *41*, 237-242
- Tuyns, A.J. (1986) A case-control study on colorectal cancer in Belgium. Preliminary results. *Soz. Präventivmed.*, *31*, 81-82

- Tuyns, A.J., Kaaks, R. & Haelterman, M. (1988) Colorectal cancer and the consumption of foods: a case-control study in Belgium. *Nutr. Cancer*, *11*, 189-204
- Tzonou, A., Day, N.E., Trichopoulos, D., Walker, A., Saliarakis, M., Papapostolou, M. & Polychronopoulou, A. (1984) The epidemiology of ovarian cancer in Greece: a case-control study. *Eur. J. Cancer clin. Oncol.*, *20*, 1045-1052
- Vandenbroucke, J.P., Kok, F.J., Van't Bosch, G., van den Dungen, P.J.C., van der Heide-Wessel, C. & van der Heide, R.M. (1986) Coffee drinking and mortality in a 25-year follow-up. *Am. J. Epidemiol.*, *123*, 359-361
- Viani, R. (1986) Coffee. In: *Ullmann's Encyclopedia of Industrial Chemistry*, Vol. A7, Weinheim, VCH Verlagsgesellschaft, pp. 315-339
- Viani, R. (1988) Physiologically active substances in coffee. In: Clarke, R.J. & Macrae, R., eds, *Coffee*, Vol. 3, *Physiology*, London, Elsevier Applied Science, pp. 1-31
- Viani, R. (1989) *Coffee*, Vevey, Nestec
- Victoria, C.G., Muñoz, N., Day, N.E., Barcelos, L.B., Peccin, D.A. & Braga, N.M. (1987) Hot beverages and oesophageal cancer in southern Brazil: a case-control study. *Int. J. Cancer*, *39*, 710-716
- Vitzthum, O.G. (1976) Chemistry and processing of coffee. In: Eichler, O., ed., *Coffee and Caffeine* (Ger.), Berlin, Springer, pp. 3-64
- Watanabe, Y., Tada, M., Kawamoto, K., Uozumi, G., Kajiwara, Y., Hayashi, K., Yamaguchi, K., Murakami, K., Misaki, F., Akasaka, Y. & Kawai, K. (1984) A case-control study of cancer of the rectum and the colon (Jpn.). *Nippon Shokakibyō Gakkai Zasshi*, *81*, 185-193
- Watkinson, B. & Fried, P.A. (1985) Maternal caffeine use before, during and after pregnancy and effects upon offspring. *Neurobehav. Toxicol. Teratol.*, *7*, 9-17
- Wattenberg, L.W. & Lam, L.K.T. (1984) Protective effects of coffee constituents on carcinogenesis in experimental animals. In: MacMahon, B. & Sugimura, T., eds, *Coffee and Health* (Banbury Report 17), Cold Spring Harbor, New York, CSH Press, pp. 137-145
- Wellman, F.L. (1961) *Coffee. Botany, Cultivation and Utilization*, London, Leonard Hill
- Welsch, C.W. & DeHoog, J.V. (1988) Influence of caffeine consumption on 7,12-dimethylbenz[*a*]anthracene-induced mammary gland tumorigenesis in female rats fed a chemically defined diet containing standard and high levels of unsaturated fat. *Cancer Res.*, *48*, 2074-2077
- Welsch, C.W., DeHoog, J.V. & O'Connor, D.H. (1988) Influence of caffeine and/or coffee consumption on the initiation and promotion phases of 7,12-dimethylbenz[*a*]anthracene-induced rat mammary gland tumorigenesis. *Cancer Res.*, *48*, 2068-2073
- Whittemore, A.S., Paffenbarger, R.S., Jr, Anderson, K. & Halpern, J. (1983) Early precursors of pancreatic cancer in college men. *J. chron. Dis.*, *36*, 251-256
- Whittemore, A.S., Wu, M.L., Paffenbarger, R.S., Jr, Sarles, D.L., Kampert, J.B., Grosser, S., Jung, D.L., Ballon, S. & Hendrickson, M. (1988) Personal and environmental characteristics related to epithelial ovarian cancer. *Am. J. Epidemiol.*, *128*, 1228-1240
- Wilcox, A., Weinberg, C. & Baird, D. (1988) Caffeinated beverages and decreased fertility. *Lancet*, *ii*, 1453-1456

- Wilhelmsen, L., Tibblin, G., Elmfeldt, D., Wedel, H. & Werkö, L. (1977) Coffee consumption and coronary heart disease in middle-aged Swedish men. *Acta med. scand.*, 201, 547-552
- Woodman, J.S. (1985) Carboxylic acids. In: Clarke, R.J. & Macrae, R., eds, *Coffee*, Vol. 1, *Chemistry*, London, Elsevier Applied Science, pp. 266-289
- Woutersen, R.A., van Garderen-Hoetmer, A., Bax, J. & Scherer, E. (1989) Modulation of dietary fat-promoted pancreatic carcinogenesis in rats and hamsters by chronic coffee ingestion. *Carcinogenesis*, 10, 311-316
- Wrigley, G. (1988) *Coffee*, Harlow, Longman Scientific & Technical
- Wu, A.H., Paganini-Hill, A., Ross, R.K. & Henderson, B.E. (1987) Alcohol, physical activity and other risk factors for colorectal cancer: a prospective study. *Br. J. Cancer*, 55, 687-694
- Würzner, H.-P., Lindström, E., Vuataz, L. & Luginbühl, H. (1977a) A 2-year feeding study of instant coffee in rats. I. Body weight, food consumption, haematological parameters and plasma chemistry. *Food Cosmet. Toxicol.*, 15, 7-16
- Würzner, H.-P., Lindström, E., Vuataz, L. & Luginbühl, H. (1977b) A 2-year feeding study of instant coffees in rats. II. Incidence and types of neoplasms. *Food Cosmet. Toxicol.*, 15, 289-296
- Wynder, E.L. & Goldsmith, R. (1977) The epidemiology of bladder cancer. A second look. *Cancer*, 40, 1246-1268
- Wynder, E.L., Mabuchi, K. & Whitmore, W.F., Jr (1974) Epidemiology of adenocarcinoma of the kidney. *J. natl Cancer Inst.*, 53, 1619-1634
- Wynder, E.L., Hall, N.E.L. & Polansky, M. (1983) Epidemiology of coffee and pancreatic cancer. *Cancer Res.*, 43, 3900-3906
- Wynder, E.L., Dieck, G.S. & Hall, N.E.L. (1986) Case-control study of decaffeinated coffee consumption and pancreatic cancer. *Cancer Res.*, 46, 5360-5363
- Yen, S., Hsieh, C.-C. & MacMahon, B. (1987) Extrahepatic bile duct cancer and smoking, beverage consumption, past medical history, and oral-contraceptive use. *Cancer*, 59, 2112-2116
- Yu, M.C., Mack, T.M., Hanisch, R., Cicioni, C. & Henderson, B.E. (1986) Cigarette smoking, obesity, diuretic use, and coffee consumption as risk factors for renal cell carcinoma. *J. natl Cancer Inst.*, 77, 351-356
- Zeitlin, B.R. (1972) Coffee and bladder cancer (Letter to the Editor). *Lancet*, i, 1066
- Zock, P.L., Katan, M.B., Merkus, M.P., van Dusseldorp, M. & Harryvan, J.L. (1990) Effect of lipid-rich fraction from boiled coffee on serum cholesterol. *Lancet*, 335, 1235-1237
- Zosel, K. (1981) *Process for the Decaffeination of Coffee*. US Patent 4,260,639 (Studiengesellschaft Kohle MbH)