

Current and Relevant Publications on Vitamins, Carotenoids and Other Health Ingredients

Update July 2008

Diese Auswahl an Publikationen aus dem Bereich der Vitamine, Mineralstoffe und sekundären Pflanzenstoffe wird von der GVF getroffen und erhebt keinen Anspruch auf Vollständigkeit.

Antioxidants

[Antioxidants in cardiovascular health and disease: key lessons from epidemiologic studies.](#)

Willcox BJ, Curb JD, Rodriguez BL.

Am J Cardiol. 2008 May 22;101(10A):75D-86D. Review.

[Anti-inflammatory agents and antioxidants as a possible "third great wave" in cardiovascular secondary prevention.](#)

Bhatt DL.

Am J Cardiol. 2008 May 22;101(10A):4D-13D. Review.

[Dietary antioxidants as potential pharmacological agents for ischemic stroke.](#)

Cherubini A, Ruggiero C, Morand C, Lattanzio F, Dell'aquila G, Zuliani G, Di Iorio A, Andres-Lacueva C.

Curr Med Chem. 2008;15(12):1236-48. Review.

[Randomized phase III clinical trial of five different arms of treatment for patients with cancer cachexia: interim results.](#)

Mantovani G, Macciò A, Madeddu C, Gramignano G, Serpe R, Massa E, Dessi M, Tanca FM, Sanna E, Deiana L, Panzone F, Contu P, Floris C.

Nutrition. 2008 Apr;24(4):305-13. Epub 2008 Feb 11.

[Treatment of renal calculi by lithotripsy: minimizing short-term shock wave induced renal damage by using antioxidants.](#)

Al-Awadi KA, Kehinde EO, Loutfi I, Mojiminiyi OA, Al-Hunayan A, Abdul-Halim H, Al-Sarraf A, Memon A, Abraham MP.

Urol Res. 2008 Feb;36(1):51-60. Epub 2007 Dec 7.

[A topical antioxidant solution containing vitamins C and E stabilized by ferulic acid provides protection for human skin against damage caused by ultraviolet irradiation.](#)

Murray JC, Burch JA, Streilein RD, Iannacchione MA, Hall RP, Pinnell SR.

J Am Acad Dermatol. 2008 Jul 4. [Epub ahead of print]

[Antioxidants and the Comet assay.](#)

Cemeli E, Baumgartner A, Anderson D.
Mutat Res. 2008 May 28. [Epub ahead of print]

[Novel approaches to treat oxidative stress and cardiovascular diseases.](#)

Berk BC.
Trans Am Clin Climatol Assoc. 2007;1209-14.

[Antioxidant plasma concentration and supplementation in carotid intima media thickness.](#)

Riccioni G, Bazzano LA.
Expert Rev Cardiovasc Ther. 2008 Jun;6(5):723-9. Review.

[Malathion-induced oxidative stress in human erythrocytes and the protective effect of vitamins C and E in vitro.](#)

Durak D, Uzun FG, Kalender S, Ogutcu A, Uzunhisarcikli M, Kalender Y.
Environ Toxicol. 2008 Jul 24. [Epub ahead of print]

[Vitamins C and E Inhibit Apoptosis of Cultured Human Term Placenta Trophoblast.](#)

Tannetta DS, Sargent IL, Linton EA, Redman CW.
Placenta. 2008 Jul 23. [Epub ahead of print]

[Antioxidant vitamins and cancer risk: is oxidative damage to DNA a relevant biomarker?](#)

Loft S, Møller P, Cooke MS, Rozalski R, Olinski R.
Eur J Nutr. 2008 May;47 Suppl 19-28. Review.

[Biomarkers of exposure to vitamins A, C, and E and their relation to lipid and protein oxidation markers.](#)

Dragsted LO.
Eur J Nutr. 2008 May;47 Suppl 3-18. Review.

Vitamin A

[The molecular basis of retinoid absorption: a genetic dissection.](#)

Wongsiriroj N, Piantedosi R, Palczewski K, Goldberg IJ, Johnston TP, Li E, Blaner WS.
J Biol Chem. 2008 May 16;283(20):13510-9. Epub 2008 Mar 17.

[Clinical efficacy of all-trans retinoic acid for treating adult T cell leukemia.](#)

Maeda Y, Yamaguchi T, Hijikata Y, Tanaka M, Hirase C, Takai S, Morita Y, Sano T, Miyatake J, Tatsumi Y, Kanamaru A.
J Cancer Res Clin Oncol. 2008 Jun;134(6):673-7. Epub 2007 Nov 15.

[Effect of 50,000 IU vitamin A given with BCG vaccine on mortality in infants in Guinea-Bissau: randomised placebo controlled trial.](#)

Benn CS, Diness BR, Roth A, Nante E, Fisker AB, Lisse IM, Yazdanbakhsh M, Whittle H, Rodrigues A, Aaby P.

BMJ. 2008 Jun 21;336(7658):1416-20. Epub 2008 Jun 16.

[Retinoic acid receptors, hematopoiesis and leukemogenesis.](#)

Collins SJ.

Curr Opin Hematol. 2008 Jul;15(4):346-51. Review.

B-Vitamins

[Multiple B-vitamin inadequacy amplifies alterations induced by folate depletion in p53 expression and its downstream effector MDM2.](#)

Liu Z, Choi SW, Crott JW, Smith DE, Mason JB.

Int J Cancer. 2008 Aug 1;123(3):519-25.

[Intake of folate, vitamin B6 and vitamin B12 and the risk of CHD: the Japan Public Health Center-Based Prospective Study Cohort I.](#)

Ishihara J, Iso H, Inoue M, Iwasaki M, Okada K, Kita Y, Kokubo Y, Okayama A, Tsugane S; JPHC Study Group.

J Am Coll Nutr. 2008 Feb;27(1):127-36.

[Homocysteine lowering with folic acid and B vitamins in people with chronic kidney disease--results of the renal Hope-2 study.](#)

Mann JF, Sheridan P, McQueen MJ, Held C, Arnold JM, Fodor G, Yusuf S, Lonn EM; HOPE-2 investigators.

Nephrol Dial Transplant. 2008 Feb;23(2):645-53. Epub 2007 Nov 14.

[Total homocysteine, B-vitamins and genetic polymorphisms in patients with classical phenylketonuria.](#)

Huemer M, Födinger M, Bodamer OA, Mühl A, Herle M, Weigmann C, Ulmer H, Stöckler-Ipsiroglu S, Möslinger D.

Mol Genet Metab. 2008 May;94(1):46-51. Epub 2008 Jan 14.

Vitamin B₁₂

[Vitamin B-12 status is associated with socioeconomic level and adherence to an animal food dietary pattern in Colombian school children.](#)

Villamor E, Mora-Plazas M, Forero Y, Lopez-Arana S, Baylin A.

J Nutr. 2008 Jul;138(7):1391-8.

[Role of hydroxocobalamin in acute cyanide poisoning.](#)

Shepherd G, Velez LI.

Ann Pharmacother. 2008 May;42(5):661-9. Epub 2008 Apr 8. Review.

[Holo-transcobalamin and methylmalonic acid as prognostic markers following an acute myocardial infarction.](#)

Aarsetøy H, Valente E, Reine A, Mansoor MA, Grundt H, Nilsen DW.
Eur J Clin Nutr. 2008 Mar;62(3):411-8. Epub 2007 Mar 7.

[Effect of vitamin B12 deficiency on neurodevelopment in infants: current knowledge and possible mechanisms.](#)

Dror DK, Allen LH.
Nutr Rev. 2008 May;66(5):250-5. Review.

[Changes in blood pressure after administration of hydroxocobalamin: relationship to changes in plasma cobalamins-\(III\) concentrations in healthy volunteers.](#)

Uhl W, Nolting A, Galleman D, Hecht S, Kovar A.
Clin Toxicol (Phila). 2008 Jul;46(6):551-9; discussion 576-7.

[Genetic and lifestyle factors related to the periconception vitamin B12 status and congenital heart defects: a Dutch case-control study.](#)

Verkleij-Hagoort AC, van Driel LM, Lindemans J, Isaacs A, Steegers EA, Helbing WA, Uitterlinden AG, Steegers-Theunissen RP.
Mol Genet Metab. 2008 May;94(1):112-9. Epub 2008 Jan 15.

Biotin

[Roles of biotin in growing ovarian follicles and embryonic development in domestic fowl.](#)

Taniguchi A, Watanabe T.
J Nutr Sci Vitaminol (Tokyo). 2007 Dec;53(6):457-63. Review.

Folic acid

[Correspondence: will increasing folic acid in fortified grain products further reduce neural tube defects without causing harm?](#)

Morris MS, Jacques PF, Rosenberg IH, Selhub J.
Pediatr Res. 2008 Apr;63(4):450; author reply 450-1. No abstract available.

[Decline in the prevalence of neural tube defects following folic acid fortification and its cost-benefit in South Africa.](#)

Sayed AR, Bourne D, Pattinson R, Nixon J, Henderson B.
Birth Defects Res A Clin Mol Teratol. 2008 Apr;82(4):211-6.

[Association between polymorphisms of folate-metabolizing enzymes and risk of prostate cancer.](#)

Marchal C, Redondo M, Reyes-Engel A, Perea-Milla E, Gaitan MJ, Machuca J, Diaz F, Caballero J, Carnero J.
Eur J Surg Oncol. 2008 Jul;34(7):805-10. Epub 2007 Oct 29.

[Folate and unipolar depression.](#)

Morris DW, Trivedi MH, Rush AJ.
J Altern Complement Med. 2008 Apr;14(3):277-85. Review.

[Serum folate and methylenetetrahydrofolate reductase \(MTHFR\) C677T polymorphism adjusted for folate intake.](#)

Nishio K, Goto Y, Kondo T, Ito S, Ishida Y, Kawai S, Naito M, Wakai K, Hamajima N.
J Epidemiol. 2008;18(3):125-31. Epub 2008 May 14.

[Two MTHFR polymorphisms, maternal B-vitamin intake, and CHDs.](#)

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Birth Defects Res A Clin Mol Teratol. 2008 Jun;82(6):474-81.

[Fluorouracil-based chemotherapy in patients with gastrointestinal malignancies: influence of nutritional folate status on toxicity.](#)

Alvarez-Cabellos R, Garcia-Carbonero R, Garcia-Lacalle C, Gomez P, Tercero A, Sanchez D, Paz-Ares L.
J Chemother. 2007 Dec;19(6):744-9.

[Folic acid use in pregnancy and embryo selection.](#)

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BJOG. 2008 Jun;115(7):851-6.

[Clinical utility of folic acid testing for patients with anemia or dementia.](#)

Ashraf MJ, Cook JR, Rothberg MB.
J Gen Intern Med. 2008 Jun;23(6):824-6. Epub 2008 Apr 15.

Niacin

[The safety of niacin in the US Food and Drug Administration adverse event reporting database.](#)

Alsheikh-Ali AA, Karas RH.
Am J Cardiol. 2008 Apr 17;101(8A):9B-13B. Review.

[Nicotinic acid, alone and in combinations, for reduction of cardiovascular risk.](#)

Brown BG, Zhao XQ.
Am J Cardiol. 2008 Apr 17;101(8A):58B-62B. Review.

[Niacin and lipoprotein\(a\): facts, uncertainties, and clinical considerations.](#)

Scanu AM, Bamba R.
Am J Cardiol. 2008 Apr 17;101(8A):44B-47B. Review.

[Safety of niacin and simvastatin combination therapy.](#)

Bays H.
Am J Cardiol. 2008 Apr 17;101(8A):3B-8B. Review.

[Mechanism of action of niacin.](#)

Kamanna VS, Kashyap ML.

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[Niacin use and cutaneous flushing: mechanisms and strategies for prevention.](#)

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[Niacin therapy: an evolving paradigm for the management of mixed dyslipidemia and low high-density lipoprotein cholesterol. Introduction.](#)

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Am J Cardiol. 2008 Apr 17;101(8A):1B-2B. No abstract available.

Vitamin C

[Pharmacokinetics of vitamin C: insights into the oral and intravenous administration of ascorbate.](#)

Duconge J, Miranda-Massari JR, Gonzalez MJ, Jackson JA, Warnock W, Riordan NH.

P R Health Sci J. 2008 Mar;27(1):7-19. Review.

[Hydrophilic interaction liquid chromatography method for the determination of ascorbic acid.](#)

Nováková L, Solichová D, Pavlovicová S, Solich P.

J Sep Sci. 2008 May;31(9):1634-44.

[Phase II trial of arsenic trioxide and ascorbic acid with temozolomide in patients with metastatic melanoma with or without central nervous system metastases.](#)

Bael TE, Peterson BL, Gollob JA.

Melanoma Res. 2008 Apr;18(2):147-51.

Vitamin D

[The bioavailability of vitamin D from fortified cheeses and supplements is equivalent in adults.](#)

Wagner D, Sidhom G, Whiting SJ, Rousseau D, Vieth R.

J Nutr. 2008 Jul;138(7):1365-71.

[25-hydroxyvitamin D and risk of myocardial infarction in men: a prospective study.](#)

Giovanucci E, Liu Y, Hollis BW, Rimm EB.

Arch Intern Med. 2008 Jun 9;168(11):1174-80.

[Hypovitaminosis D among healthy children in the United States: a review of the current evidence.](#)

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[Prevalence of vitamin D deficiency among healthy infants and toddlers.](#)

Gordon CM, Feldman HA, Sinclair L, Williams AL, Kleinman PK, Perez-Rossello J, Cox JE.

Arch Pediatr Adolesc Med. 2008 Jun;162(6):505-12.

[Serum vitamin D concentration and prostate cancer risk: a nested case-control study.](#)

Ahn J, Peters U, Albanes D, Purdue MP, Abnet CC, Chatterjee N, Horst RL, Hollis BW, Huang WY, Shikany JM, Hayes RB; Prostate, Lung, Colorectal, and Ovarian Cancer Screening Trial Project Team.

J Natl Cancer Inst. 2008 Jun 4;100(11):796-804. Epub 2008 May 27.

[The resurgence of the importance of vitamin D in bone health.](#)

Lee WT, Jiang J.

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[The role of nutrition on optimizing peak bone mass.](#)

Weaver CM.

Asia Pac J Clin Nutr. 2008;17 Suppl 135-7. Review.

[Dairy products, polymorphisms in the vitamin D receptor gene and colorectal adenoma recurrence.](#)

Hubner RA, Muir KR, Liu JF, Logan RF, Grainge MJ, Houlston RS; Members of UKCAP Consortium.

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[Vitamin D status in postmenopausal women living at higher latitudes in the UK in relation to bone health, overweight, sunlight exposure and dietary vitamin D.](#)

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[Vitamin D as an immune modulator in multiple sclerosis, a review.](#)

Smolders J, Damoiseaux J, Menheere P, Hupperts R.

J Neuroimmunol. 2008 Feb;194(1-2):7-17. Epub 2008 Jan 4. Review.

[Independent association of low serum 25-hydroxyvitamin d and 1,25-dihydroxyvitamin d levels with all-cause and cardiovascular mortality.](#)

Dobnig H, Pilz S, Scharnagl H, Renner W, Seelhorst U, Wellnitz B, Kinkeldei J, Boehm BO, Weihrauch G, Maerz W.

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[Circulating 25-hydroxyvitamin d levels and survival in patients with colorectal cancer.](#)

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[Improved patient outcomes in chronic kidney disease: optimizing vitamin D therapy.](#)

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[25-Hydroxyvitamin D, cholesterol, and ultraviolet irradiation.](#)

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Metabolism. 2008 Jun;57(6):741-8.

[Membrane initiated signaling by 1,25alpha-dihydroxyvitamin D3 in LNCaP prostate cancer cells.](#)

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[Vitamin D and blood pressure connection: update on epidemiologic, clinical, and mechanistic evidence.](#)

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[22nd Marabou Symposium: the changing faces of vitamin D.](#)

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[Effect of different doses of vitamin D on osteocalcin and deoxypyridinoline in preterm infants.](#)

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[Vitamin D receptor activation and survival in chronic kidney disease.](#)

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[Two modes of ERK activation by TNF in keratinocytes: different cellular outcomes and bi-directional modulation by vitamin D.](#)

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J Cell Biochem. 2008 May 15;104(2):606-19.

[Prescriptions for vitamin D among patients taking antiresorptive agents in Canada.](#)

Hanley DA, Zhang Q, Meilleur MC, Mavros P, Sen SS.
Curr Med Res Opin. 2007 Jun;23(6):1473-80. Epub 2007 May 18.

[Low prevalence of vitamin D deficiency among adolescents with anorexia nervosa.](#)

Haagensen AL, Feldman HA, Ringelheim J, Gordon CM.
Osteoporos Int. 2008 Mar;19(3):289-94. Epub 2007 Oct 9.

[The osteoporosis care gap in men with fragility fractures: the Canadian Multicentre Osteoporosis Study.](#)

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J Cell Biochem. 2008 Apr 1;103(5):1551-72.

[Prevalence of vitamin D depletion among subjects seeking advice on osteoporosis: a five-year cross-sectional study with public health implications.](#)

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[Secondary prevention of osteoporosis: Calcium, Vitamin D and bisphosphonate prescribing following distal radial fracture.](#)

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Injury. 2007 Nov;38(11):1236-40. Epub 2007 Jun 18.

[Vitamin D receptor gene polymorphisms and haplotypes and postmenopausal breast cancer risk.](#)

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[Serum levels of vitamin D metabolites and breast cancer risk in the prostate, lung, colorectal, and ovarian cancer screening trial.](#)

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[Measurement of 25-hydroxyvitamin D3 \(25OHD3\) and 25-hydroxyvitamin D2 \(25OHD2\) in human serum using liquid chromatography-tandem mass spectrometry and its comparison to a radioimmunoassay method.](#)

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Clin Chim Acta. 2008 May;391(1-2):6-12. Epub 2008 Jan 24.

[10-year case review of nutritional rickets in Children's Hospital of Michigan.](#)

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Clin Pediatr (Phila). 2008 May;47(4):379-84. Epub 2008 Jan 11.

[Liquid chromatography-tandem mass spectrometric method for the determination of salivary 25-hydroxyvitamin D a noninvasive tool for the assessment of vitamin D status.](#)

Higashi T, Shibayama Y, Fuji M, Shimada K.
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Vitamin E

[Anti-angiogenic function of tocotrienol.](#)

Miyazawa T, Shibata A, Nakagawa K, Tsuzuki T.
Asia Pac J Clin Nutr. 2008;17 Suppl 253-6.

[Vitamin E ingestion improves several immune functions in elderly men and women.](#)

De la Fuente M, Hernanz A, Guayerbas N, Victor VM, Arnalich F.
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[Plasma and dietary vitamin E in relation to insulin secretion and sensitivity.](#)

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Diabetes Obes Metab. 2008 Mar;10(3):223-8.

[Can the therapeutic efficacy of tocotrienols in neurodegenerative familial dysautonomia patients be measured clinically?](#)

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[The 'vitamin E regeneration system' \(VERS\) and an algorithm to justify antioxidant supplementation in diabetes--a hypothesis.](#)

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[Family history of prostate cancer and prostate cancer risk in the Alpha-Tocopherol, Beta-Carotene Cancer Prevention \(ATBC\) Study.](#)

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[Vitamin E and cancer: An insight into the anticancer activities of vitamin E isomers and analogs.](#)

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[Effect of one-year oral alpha-tocopherol administration on the antioxidant defense system in hemodialysis patients.](#)

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[Molecularly imprinted polymers for alpha-tocopherol delivery.](#)

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[Release of protein, lipid, and vitamin E from almond seeds during digestion.](#)

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J Agric Food Chem. 2008 May 14;56(9):3409-16. Epub 2008 Apr 17.

[Niemann-pick C1-like 1 mediates alpha-tocopherol transport.](#)

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Vitamin K

[An attempt to evaluate the effect of vitamin K3 using as an enhancer of anticancer agents.](#)

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[Acquired deficiency of vitamin K-dependent clotting factors due to brodifacoum ingestion.](#)

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[Response of serum carboxylated and undercarboxylated osteocalcin to alendronate monotherapy and combined therapy with vitamin K2 in postmenopausal women.](#)

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[Vitamin K-induced modification of coagulation phenotype in VKORC1 homozygous deficiency.](#)

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[Vitamin K content of foods and dietary vitamin K intake in Japanese young women.](#)

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Multivitamins

[Concentrations of vitamin C, vitamin B12 and folic acid in patients treated with hemodialysis and on-line hemodiafiltration or hemofiltration.](#)

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[The influence of diets supplemented with conjugated linoleic acid, selenium, and vitamin E, with or without animal protein, on the composition of pork from female pigs.](#)

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Carotenoids

[High dose lycopene supplementation increases hepatic cytochrome P450E1 protein and inflammation in alcohol-fed rats.](#)

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[Astaxanthin: a novel potential treatment for oxidative stress and inflammation in cardiovascular disease.](#)

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[The chemistry of novel xanthophyll carotenoids.](#)

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[In vitro screening of relative bioaccessibility of carotenoids from foods.](#)

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[In vitro uptake of beta-carotene by human exfoliated colonic epithelial cells.](#)

Gireesh T, Sudhakaran PR.
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