

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

## Update Dezember 2008/ Januar 2009

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

#### [Human milk enhances antioxidant defenses against hydroxyl radical aggression in preterm infants.](#)

Am J Clin Nutr. 2008 Dec 3. [Epub ahead of print]

Ledo A, Arduini A, Asensi MA, Sastre J, Escrig R, Brugada M, Aguar M, Saenz P, Vento M.

#### [The impact of urban environment on oxidative damage \(TBARS\) and antioxidant systems in lungs and liver of great tits, Parus major\(,\).](#)

Environ Res. 2008 Dec 1. [Epub ahead of print]

Isaksson C, Sturve J, Almroth BC, Andersson S.

#### [Effect of vitamin levels on biomarkers of exposure and oxidative damage- The EXPAH study.](#)

Mutat Res. 2008 Nov 24. [Epub ahead of print]

Sram RJ, Farmer P, Singh R, Garte S, Kalina I, Popov TA, Binkova B, Ragin C, Taioli E.

#### [Association of serum alpha-tocopherol, retinol and ascorbic acid with the risk of cataract development.](#)

Ann Nutr Metab. 2008;52(4):296-8. Epub 2008 Jul 26.

Nourmohammadi I, Modarress M, Khanaki K, Shaabani M.

#### [Antioxidant supplements to prevent or slow down the progression of AMD: a systematic review and meta-analysis.](#)

Eye. 2008 Jun;22(6):751-60. Epub 2008 Apr 18. Review.

Evans J.

#### [Altered status of antioxidant vitamins and fatty acids in patients with inactive inflammatory bowel disease.](#)

Clin Nutr. 2008 Aug;27(4):571-8. Epub 2008 Mar 7.

Hengstermann S, Valentini L, Schaper L, Buning C, Koernicke T, Maritschnegg M, Buhner S, Tillinger W, Regano N, Guglielmi F, Winklhofer-Roob BM, Lochs H.

## **B-Vitamins**

### [Do dietary patterns in older men influence change in homocysteine through folate fortification? The Normative Aging Study.](#)

Public Health Nutr. 2008 Dec 1-7. [Epub ahead of print]

Knoops KT, Spiro A, de Groot LC, Kromhout D, van Staveren WA, Tucker KL.

### [Alcohol increases homocysteine and reduces B vitamin concentration in healthy male volunteers--a randomized, crossover intervention study.](#)

QJM. 2008 Nov;101(11):881-7. Epub 2008 Sep 12.

Gibson A, Woodside JV, Young IS, Sharpe PC, Mercer C, Patterson CC, McKinley MC, Kluijtmans LA, Whitehead AS, Evans A.

### [Maternal intake of fat, riboflavin and nicotinamide and the risk of having offspring with congenital heart defects.](#)

Eur J Nutr. 2008 Oct;47(7):357-65. Epub 2008 Sep 8.

Smedts HP, Rakhshandehroo M, Verkleij-Hagoort AC, de Vries JH, Ottenkamp J, Steegers EA, Steegers-Theunissen RP.

### [Vitamins B2, B6, and B12 and risk of new colorectal adenomas in a randomized trial of aspirin use and folic acid supplementation.](#)

Cancer Epidemiol Biomarkers Prev. 2008 Aug;17(8):2136-45.

Figueiredo JC, Levine AJ, Grau MV, Mittun O, Ueland PM, Ahnen DJ, Barry EL, Tsang S, Munroe D, Ali I, Haile RW, Sandler RS, Baron JA.

## **Vitamin B<sub>12</sub>**

### [Cyanocobalamin may be beneficial in the treatment of recurrent aphthous ulcers even when vitamin B12 levels are normal.](#)

Am J Med Sci. 2008 Nov;336(5):379-82.

Gulcan E, Toker S, Hatipoğlu H, Gulcan A, Toker A.

### [Vitamin B12 and folate and the risk of anemia in old age: the Leiden 85-Plus Study.](#)

Arch Intern Med. 2008 Nov 10;168(20):2238-44.

den Elzen WP, Westendorp RG, Frölich M, de Ruijter W, Assendelft WJ, Gussekloo J.

## **Biotin**

### [Biotin-rich intranuclear inclusions: have you checked your immunohistochemical controls?](#)

Int J Surg Pathol. 2008 Oct;16(4):424-5. Epub 2008 Jul 8.

Bakkar R, Moore G, Martin A, Alatassi H.

[Biotin accounts for less than half of all biotin and biotin metabolites in the cerebrospinal fluid of children.](#)

Am J Clin Nutr. 2008 Nov;88(5):1291-6.  
Bogusiewicz A, Stratton SL, Ellison DA, Mock DM.

## Folic Acid

[Too much folate: a risk factor for cancer and cardiovascular disease?](#)

Curr Opin Clin Nutr Metab Care. 2009 Jan;12(1):30-6.  
Sauer J, Mason JB, Choi SW.

[Risk of colorectal cancer associated with the C677T polymorphism in 5,10-methylenetetrahydrofolate reductase in Portuguese patients depends on the intake of methyl-donor nutrients.](#)

Am J Clin Nutr. 2008 Nov;88(5):1413-8.  
Guerreiro CS, Carmona B, Gonçalves S, Carolino E, Fidalgo P, Brito M, Leitão CN, Cravo M.

[Weekly iron and folic acid supplementation with counseling reduces anemia in adolescent girls: a large-scale effectiveness study in Uttar Pradesh, India.](#)

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[A prospective study of dietary folate and vitamin B and colon cancer according to microsatellite instability and KRAS mutational status.](#)

Cancer Epidemiol Biomarkers Prev. 2008 Oct;17(10):2895-8.  
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[Colorectal adenomas in a randomized folate trial: the role of baseline dietary and circulating folate levels.](#)

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[Placental folate transport during pregnancy.](#)

Biosci Biotechnol Biochem. 2008 Sep;72(9):2277-84. Epub 2008 Sep 7.  
Yasuda S, Hasui S, Yamamoto C, Yoshioka C, Kobayashi M, Itagaki S, Hirano T, Iseki K.

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J Ren Nutr. 2008 Sep;18(5):430-9.  
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[Folic acid supplementation inhibits recurrence of colorectal adenomas: a randomized chemoprevention trial.](#)

World J Gastroenterol. 2008 Jul 28;14(28):4492-8.

Jaszewski R, Misra S, Tobi M, Ullah N, Naumoff JA, Kucuk O, Levi E, Axelrod BN, Patel BB, Majumdar AP.

[Folate-related gene polymorphisms as risk factors for cleft lip and cleft palate.](#)

Birth Defects Res A Clin Mol Teratol. 2008 Sep;82(9):636-43.

Mills JL, Molloy AM, Parle-McDermott A, Troendle JF, Brody LC, Conley MR, Cox C, Pangilinan F, Orr DJ, Earley M, McKiernan E, Lynn EC, Doyle A, Scott JM, Kirke PN.

[Spina bifida before and after folic acid fortification in Canada.](#)

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Public Health Nutr. 2008 Aug;11(8):807-21. Epub 2008 May 6.

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[Homocysteine, folate and cognition in a large community-based sample of elderly people--the 3C Dijon Study.](#)

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### [The controversial place of vitamin C in cancer treatment.](#)

Biochem Pharmacol. 2008 Dec 15;76(12):1644-52. Epub 2008 Sep 30.  
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### [Ascorbic acid is a regulator of the intracellular cAMP concentration: old molecule, new functions?](#)

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Cancer Res. 2008 Oct 1;68(19):8031-8.  
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### [High vitamin C intake is associated with lower 4-year bone loss in elderly men.](#)

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### [Inflammation in the vascular bed: importance of vitamin C.](#)

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### [Vitamin C intake and serum uric acid concentration in men.](#)

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## Vitamin D

### [Prevalence of hypovitaminosis D in cardiovascular diseases \(from the National Health and Nutrition Examination Survey 2001 to 2004\).](#)

Am J Cardiol. 2008 Dec 1;102(11):1540-4. Epub 2008 Sep 24.  
Kim DH, Sabour S, Sagar UN, Adams S, Whellan DJ.

### [Calcium plus vitamin D supplementation and the risk of breast cancer.](#)

J Natl Cancer Inst. 2008 Nov 19;100(22):1581-91. Epub 2008 Nov 11.  
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[Association of hip fracture incidence and intake of calcium, magnesium, vitamin D, and vitamin K.](#)

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Osteoporos Int. 2008 May;19(5):663-71. Epub 2007 Sep 14.

Chel V, Wijnhoven HA, Smit JH, Ooms M, Lips P.

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## Vitamin E

[Oxidized vitamin E and glutathione as markers of clinical status in asthma.](#)

Clin Nutr. 2008 Aug;27(4):579-86. Epub 2008 Jan 30.

Wood LG, Garg ML, Blake RJ, Simpson JL, Gibson PG.

## Vitamin K

[Matrix Gla-protein: the calcification inhibitor in need of vitamin K.](#)

Thromb Haemost. 2008 Oct;100(4):593-603. Review.

Schurgers LJ, Cranenburg EC, Vermeer C.

[The carboxylation efficiency of the vitamin K-dependent clotting factors: studies with factor IX.](#)

Haemophilia. 2008 Sep;14(5):1063-8. Epub 2008 Aug 1.

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## Multivitamins

[Micronutrient Deficiencies Are Associated with Impaired Immune Response and Higher Burden of Respiratory Infections in Elderly Ecuadorians.](#)

J Nutr. 2008 Dec 3. [Epub ahead of print]

Hamer DH, Sempértegui F, Estrella B, Tucker KL, Rodríguez A, Egas J, Dallal GE, Selhub J, Griffiths JK, Meydani SN.

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[Effect of micronutrient supplementation on mood in nursing home residents.](#)

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## Carotenoids

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[Effects of dietary carotenoids on mouse lung genomic profiles and their modulatory effects on short-term cigarette smoke exposures.](#)

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Eur J Nutr. 2008 Sep;47(6):335-40. Epub 2008 Aug 16.  
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## **Polyphenols**

[Chemistry and health of olive oil phenolics.](#)

Crit Rev Food Sci Nutr. 2009 Mar;49(3):218-36.  
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## **Carnitine**

[Effects of carnitine supplementation on flow-mediated dilation and vascular inflammatory responses to a high-fat meal in healthy young adults.](#)

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## CoQ10

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### [Supplementation with an antioxidant cocktail containing coenzyme Q prevents plasma oxidative damage induced by soccer.](#)

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## Miscellaneous

### [Nutritional habits of flemish adolescent sprint athletes.](#)

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### [Dietary determinants of subclinical inflammation, dyslipidemia and components of the metabolic syndrome in overweight children: a review.](#)

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### [Does taking vitamin, mineral and fatty acid supplements prevent cognitive decline? A systematic review of randomized controlled trials.](#)

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### [Nutrition impacts the prevalence of peripheral arterial disease in the United States.](#)

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[Effect of a blueberry nutritional supplement on macronutrients, food group intake, and plasma vitamin E and vitamin C in US athletes.](#)

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## Probiotics

[Probiotics restore bowel flora and improve liver enzymes in human alcohol-induced liver injury: a pilot study.](#)

Alcohol. 2008 Dec;42(8):675-682.

Kirpich IA, Solovieva NV, Leikhter SN, Shidakova NA, Lebedeva OV, Sidorov PI, Bazhukova TA, Soloviev AG, Barve SS, McClain CJ, Cave M.

## PUFAs

[Milk enriched with "healthy fatty acids" improves cardiovascular risk markers and nutritional status in human volunteers.](#)

Nutrition. 2008 Dec 10. [Epub ahead of print]

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[Modulation of inflammatory cytokines by omega-3 fatty acids.](#)

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[Omega-6 and trans fatty acids in blood cell membranes: a risk factor for acute coronary syndromes?](#)

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