

Original Contributions

- W. Andlauer, C. Stumpf, K. Frank, P. Fürst: Absorption and metabolism of anthocyanin cyanidin-3-glucoside in the isolated rat small intestine is not influenced by ethanol . . . 217
- H. K. Biesalski, R.-J. Brummer, J. König, M. A. O'Connell, L. Ovesen, G. Rechkemmer, K. Stos, D. I. Thurnham: Micronutrient deficiencies – Hohenheim Consensus Conference . . . 353
- A. Bosy-Westphal, M. Mast, C. Eichhorn, C. Becker, D. Kutzner, M. Heller, M. J. Müller: Validation of air-displacement plethysmography for estimation of body fat mass in healthy elderly subjects . . . 207
- L. M. Canfield, M. T. Clandinin, D. P. Davies, M. C. Fernandez, J. Jackson, J. Hawkes, W. J. Goldman, K. Pramuk, H. Reyes, B. Sablan, T. Sonobe, X. Bo: Multinational study of major breast milk carotenoids of healthy mothers . . . 133
- N. Cardinault, V. Tyssandier, P. Grolier, B. M. Winklhofer-Roob, J. Ribalta, C. Bouteloup-Demange, E. Rock, P. Borel: Comparison of the postprandial chylomicron carotenoid responses in young and older subjects . . . 315
- H. Cena, M. Sculati, C. Roggi: Nutritional concerns and possible countermeasures to nutritional issues related to space flight . . . 99
- B. Cerdá, R. Llorach, J. J. Cerón, J. C. Espín, F. A. Tomás-Barberán: Evaluation of the bioavailability and metabolism in the rat of punicalagin, an antioxidant polyphenol from pomegranate juice . . . 18
- C. Coudray, J. C. Tressol, E. Gueux, Y. Rayssiguier: Effects of inulin-type fructans of different chain length and type of branching on intestinal absorption and balance of calcium and magnesium in rats . . . 91
- M. Dekker, R. Verkerk: Dealing with variability in food production chains: a tool to enhance the sensitivity of epidemiological studies on phytochemicals . . . 67
- C. Feillet-Coudray, S. Lafay, J. C. Tressol, E. Gueux, A. Mazur, C. Coudray: Effects of sulphate- and bicarbonate-rich mineral waters on net and fractional intestinal absorption and urinary excretion of magnesium in rats . . . 279
- A. P. Femia, G. Caderni, M. Ianni, M. Salvadori, E. Schijlen, G. Collins, A. Bovy, P. Dolara: Effect of diets fortified with tomatoes or onions with variable quercetin-glycoside content on azoxymethane-induced aberrant crypt foci in the colon of rats . . . 346
- R. Filip, G. E. Ferraro: Researching on new species of "Mate": *Ilex brevicuspis* Phytochemical and pharmacology study . . . 50
- J. Frey, M. Neuhauser-Berthold, S. A. Elis, S. Duncker, F. Rose, W. F. Blum, H. Remschmidt, F. Geller, J. Hebebrand: Lower serum leptin levels in female students of the nutritional sciences with eating disorders . . . 142
- F. Fusi, S. Saponara, F. Pessina, B. Gorelli, G. Sgaragli: Effects of quercetin and rutin on vascular preparations: a comparison between mechanical and electrophysiological phenomena . . . 10
- U. Holmbäck, A. Forslund, A. Lowden, J. Forslund, T. Åkerstedt, M. Lennernäs, L. Hambræus, M. Stridsberg: Endocrine responses to nocturnal eating – possible implications for night work . . . 75
- P. P. Hoppe, K. Krämer, H. van den Berg, G. Steenge, T. van Vliet: Synthetic and tomato-based lycopene have identical bioavailability in humans . . . 272
- Y.-C. Huang, S.-J. Chang, Y.-T. Chiu, H.-H. Chang, C.-H. Cheng: The status of plasma homocysteine and related B-vitamins in healthy young vegetarians and nonvegetarians . . . 84
- A. Jordan, J. Stein: Effect of an omega-3 fatty acid containing lipid emulsion alone and in combination with 5-fluorouracil (5-FU) on growth of the colon cancer cell line Caco-2 . . . 324
- P. Katapodis, M. Vardakou, E. Kalogeris, D. Kekos, B. J. Macris, P. Christakopoulos: Enzymic production of a feruloylated oligosaccharide with antioxidant activity from wheat flour arabinoxylan . . . 55
- B. Koletzko, U. Sauerwald, U. Keicher, H. Saulef, S. Wawatschek, H. Böhles, K. Bervoets, M. Fleith, G. Crozier-Willi: Fatty acid profiles, antioxidant status, and growth of preterm infants fed diets without or with long-chain polyunsaturated fatty acids – A randomized clinical trial . . . 243
- M. Lahti-Koski, L. M. Valsta, G. Alfthan, H. Tapanainen, A. Aro: Iron status of adults in the capital area of Finland . . . 287
- Y.-M. Lee, B. Haastert, W. Scherbaum, H. Hauner: A phytosterol-enriched spread improves the lipid profile of subjects with type 2 diabetes mellitus – A randomized controlled trial under free-living conditions . . . 111
- O. Livny, R. Reifen, I. Levy, Z. Madar, R. Faulks, S. Southon, B. Schwartz:  $\beta$ -carotene bioavailability from differently processed carrot meals in human ileostomy volunteers . . . 338
- A. Macho, C. Lucena, R. Sancho, N. Daddario, A. Minassi, E. Muñoz, G. Appendino: Non-pungent capsaicinoids from sweet pepper. Synthesis and evaluation of the chemopreventive and anticancer potential . . . 2
- C. Matito, F. Mastorakou, J. J. Centelles, J. L. Torres, M. Cascante: Antiproliferative effect of antioxidant polyphenols from grape in murine Hepa-1c1c7 . . . 43
- K. Németh, G. W. Plumb, J.-G. Berrin, N. Juge, R. Jacob, H. Y. Naim, G. Williamson, D. M. Swallow, P. A. Kroon: Deglycosylation by small intestinal epithelial cell  $\beta$ -glucosidases is a critical step in the absorption and metabolism of dietary flavonoid glycosides in humans . . . 29
- C. Nicolle, N. Cardinault, O. Aprikian, J. Busserolles, P. Grolier, E. Rock, C. Demigné, A. Mazur, A. Scalbert, P. Amouroux, C. Rémésy: Effect of carrot intake on cholesterol metabolism and on antioxidant status in cholesterol-fed rat . . . 254
- J. Parrado, E. Miramontes, M. Jover, J. C. Márquez, M. Angeles Mejias, L. Collantes de Teran, E. Absi, J. Bautista: Prevention of brain protein and lipid oxidation elicited by a water-soluble oryzanol enzymatic extract derived from rice bran . . . 307
- E. B. Pouteau, I. E. Monnard, C. Pigué-Welsch, M. J. A. Groux, L. Sagalowicz, A. Berger: Non-esterified plant sterols solubilized in low fat milks inhibit cholesterol absorption – A stable isotope double-blind crossover study . . . 154
- V. M. Rodríguez, M. T. Macarulla, E. Echevarría, M. P. Portillo: Lipolysis induced by leptin in rat adipose tissue from different anatomical locations . . . 149
- A. Salvadori, P. Fanari, E. Giacomotti, P. Palmulli, G. Bolla, I. Tovaglieri, L. Luzi, E. Longhini: Kinetics of catecholamines and potassium, and heart rate during exercise testing in obese subjects – Heart rate regulation in obesity during exercise . . . 181
- F. J. Sánchez-Muniz, P. Oubiña, S. Ródenas, J. Benedi, C. Cuesta: Platelet aggregation, thromboxane production and thrombogenic ratio in postmenopausal women consuming high oleic acid-sunflower oil or palmolein . . . 299
- M. Schneider, A. M. Niess, F. Rozario, C. Angres, K. Tschositsch, N. Battenfeld, M. Schäffer, H. Northoff, H.-H. Dickhuth, E. Fehrenbach, W. E. Trommer, H. K. Biesalski: Vitamin E supplementation does not increase the vitamin C radical concentration at rest and after exhaustive exercise in healthy male subjects . . . 195

|                                                                                                                                                                                                                                                                                                                 |     |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|
| R. Siener, A. Hesse: The effect of a vegetarian and different omnivorous diets on urinary risk factors for uric acid stone formation . . . . .                                                                                                                                                                  | 332 |
| K. Sundram, M. A. French, M. T. Clandinin: Exchanging partially hydrogenated fat for palmitic acid in the diet increases LDL-cholesterol and endogenous cholesterol synthesis in normocholesterolemic women . . . . .                                                                                           | 188 |
| M. E. Turini, J. J. Boza, N. Gueissaz, D. Moënnos, F. Montigon, J. Vuichoud, G. Gremaud, E. Pouteau, C. Piguet, I. Perrin, C. Verguet, P.-A. Finot, B. German: Short-term dietary conjugated linoleic acid supplementation does not enhance the recovery of immunodepleted dexamethasone-treated rats . . . . . | 171 |
| K. Valentova, L. Cvak, A. Muck, J. Ulrichova, V. Simanek: Antioxidant activity of extracts from the leaves of <i>Smilax sonchifolius</i> . . . . .                                                                                                                                                              | 61  |
| N. Venkatesan, S. Niranjali Devaraj, H. Devaraj: Increased binding of LDL and VLDL to apo B,E receptors of hepatic plasma membrane of rats treated with Fibernat . . . . .                                                                                                                                      | 262 |
| S. Verwied-Jorky, A. Sönnichsen, J. Weineck, B. Koletzko: Height and weight of German primary school children in the Family Intervention Trial (FIT) Erlangen . . . . .                                                                                                                                         | 165 |
| F. Visioli, P. Riso, S. Grande, C. Galli, M. Porrini: Protective activity of tomato products on <i>in vivo</i> markers of lipid oxidation . . . . .                                                                                                                                                             | 201 |
| H. J. F. Zunft, W. Lüder, A. Harde, B. Haber, H. J. Graubau, C. Koebnick, J. Grünwald: Carob pulp preparation rich in insoluble fibre lowers total and LDL cholesterol in hypercholesterolemic patients . . . . .                                                                                               | 235 |

## Short Communication

|                                                                                                                                                                                                      |     |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|
| G. D. Brinkworth, J. D. Buckley: Concentrated bovine colostrum protein supplementation reduces the incidence of self-reported symptoms of upper respiratory tract infection in adult males . . . . . | 228 |
| D. Reißig, F. Rassoul, J. Salvetter, O. Wagner, V. Richter: Effect of fatty acids on expression of endothelial leukocyte adhesion molecules . . . . .                                                | 224 |

## Short Contribution

|                                                                                                                                                                                                               |     |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|
| E. Sarkadi-Nagy, M.-C. Huang, G.-Y. Diau, R. Kirwan, A. Chueh Chao, C. Tschanz, J. T. Brenna: Long chain polyunsaturate supplementation does not induce excess lipid peroxidation of piglet tissues . . . . . | 293 |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|

## Under Discussion

|                                                                                                                                                    |     |
|----------------------------------------------------------------------------------------------------------------------------------------------------|-----|
| A. Flynn, O. Moreiras, P. Stehle, R. J. Fletcher, D. J. G. Müller, V. Rolland: Vitamins and minerals: A model for safe addition to foods . . . . . | 118 |
|----------------------------------------------------------------------------------------------------------------------------------------------------|-----|

|                                  |                             |
|----------------------------------|-----------------------------|
| Congress Announcements . . . . . | 73, 131, 180, 233, 297, 364 |
|----------------------------------|-----------------------------|

|                     |   |
|---------------------|---|
| Editorial . . . . . | 1 |
|---------------------|---|