

Publicaties van K. Struijs

- Struijs, K., 2008, *The lignan macromolecule from flaxseed; Structure and bioconversion of lignans*, PhD-thesis, Wageningen University, Wageningen, The Netherlands
- Struijs, K., Wiele, T. Van de, Le, T.T., Debyser, G., Dewettinck, K., Devreese, B., Camp, J. van. *Milk fat globule membrane glycoproteins prevent adhesion of the colonic microbiota and result in increased bacterial butyrate production*, accepted
- Al Shukor, Van Camp, N., J., Gonzales, G.B., Staljanssens, D., Struijs, K., Zotti, M. J., Raes, K., Smaghe, G. *Analysis of angiotensin-converting enzyme inhibitory effects by plant phenolic compounds*, submitted
- Bunea, A, Rugină, D., Sconța, Z., Pop, R., Pinte, A., Socaciu, C., Tăbăran, F., Grootaert, C., Struijs, K., Camp, J. van. *Anthocyanin determination in various cultivars of highbush blueberry extracts and their antiproliferative and apoptotic properties in B16-F10 metastatic murine melanoma cells*, submitted
- Le, T.T., Debyser, G., Gilbert, W., Struijs, K., Camp, J. van, Wiele, T. van de, Devreese, B., Dewettinck, K. *Distribution of milk fat globule membrane (MFGM) during dairy processing and isolation of MFGM as revealed by proteomic analysis*, submitted
- Knockaert, D., Raes, K., Wille, C., Struijs, K., Van Camp, J. *Effect of lactic acid fermentation on the complexation between iron and gallic acid*, accepted
- Horemans, T., Kerstens, M., Clais, S., Struijs, K., Abbeele, P. van den, Assche, T. van, Maes, L., Cos, P. (2012). Evaluation of the anti-adhesive effect of Milk Fat Globule Membrane (MFGM) glycoproteins on *Helicobacter pylori* in the human NCI-N87 cell line and C57BL/6 mouse model. *Helicobacter*. 17(4). 312-318.
- Knockaert, D., Raes, K., Wille, C., Struijs, K., Camp, J. van. (2012). Metabolism of ferulic acid during growth of *Lactobacillus plantarum* and *Lactobacillus collinoides*. *Journal of the Science of Food and Agriculture*. 92(11). 2291-2296. 10.1002/jsfa.5623
- Lehtonen, M., Lampi, A.-M., Agalga, F., Struijs, K., Piironen, V. (2012). The effects of acyl moiety and temperature on the polymerization of sterols. *European Journal of Lipid Science and Technology*. 114(6). 677-686. 10.1002/ejlt.201100305
- Le, T.T., Wiele, T. van de, Do, T.N.H., Debyser, G., Struijs, K., Devreese, B., dewettinck, K., Camp, J. Van. (2012). Stability of milk fat globule membrane proteins toward human enzymatic gastrointestinal digestion. *Journal of Dairy Science*. 95(5). 2307-2318. 10.3168/jds.2011-4947
- Lehtonen, M., Lampi, A.-M., Ollilainen, V., Struijs, K., Piironen, V. (2011) The role of acyl moiety in the formation and reactions of steryl ester hydroperoxides. *European Food Research and Technology*. 233(1). 51-61. 10.1007/s00217-011-1492-y
- Struijs, K., Lampi, A.-M., Ollilainen, V., Piironen, V. (2010). Dimer formation during the thermooxidation of stigmaterol. *European Food Research and Technology*. 231(6). 853-863. 10.1007/s00217-010-1335-2
- Struijs, K., Vincken, J-P., Gruppen, H. (2009). Bacterial conversion of secoisolariciresinol and anhydrosecoisolariciresinol. *Journal of Applied Microbiology*. 107(1). 308-317. 10.1111/j.1365-2672.2009.04209.x
- Struijs, K., Vincken, J-P., Doeswijk, T.G., Voragen, A.G.J., Gruppen, H. (2009). The chain length of lignan macromolecule from flaxseed hulls is determined by the incorporation of coumaric acid glucosides and ferulic acid glucosides. *Phytochemistry*. 70(2). 262-269. 10.1016/j.phytochem.2008.12.015
- Mattinen, M-L, Struijs, K., Suortti, T., Mattila, I., Kruus, K., Willför, S., Tamminen, T. Vincken, J-P. (2009). Modification of lignans by *Trametes Hirsuta* Laccase, *Bioresources*. 4(2). 482-496.
- Struijs, K., Vincken, J-P., Gruppen, H. (2008) Comparison of atmospheric pressure chemical ionization and electrospray ionization mass spectrometry for the detection of lignans from sesame seeds. *Rapid Communications in Mass Spectrometry*. 22(22). 3615-3623. 10.1002/rcm.3777
- Struijs, K., Vincken, J-P., Verhoef, R., Voragen, A.G.J., Gruppen, H. (2008). Hydroxycinnamic acids are ester-linked directly to glucosyl moieties within the lignan macromolecule from flaxseed hulls. *Phytochemistry*. 69(5). 1250-1260. 10.1016/j.phytochem.2007.11.010
- Eeckhaut, E., Struijs, K., Possemiers, S., Vincken, J-P., De Keukeleire, D., Verstraete, W. (2008). Metabolism of the lignan macromolecule into enterolignans in the gastrointestinal tract, as de-

terminated in the simulator of the human intestinal microbial ecosystem. *Journal of Agricultural and Food Chemistry*. 56(12). 4806-4812. 10.1021/jf800101s

- Struijs, K., Vincken, J-P., Verhoef, R., van Oostveen-van Casteren, W.H.M., Voragen, A.G.J., Gruppen, H. (2007). The flavonoid herbacetin diglucoside as a constituent of the lignan macromolecule from flaxseed hulls. *Phytochemistry*. 68(8). 1227-1235. 10.1016/j.phytochem.2006.10.022
- Kalamaki, M.S., Powell, A.L.T., Struijs, K., Labavitch, J.M., Reid, D.S., Bennett, A.B. (2003). Transgenic overexpression of expansin influences particle size distribution and improves viscosity of tomato juice and paste. *Journal of Agricultural and Food Chemistry*. 51(25). 7465-7471. 10.1021/jf0341666
- Woude, H. van der, Gliszczynska-Swiglo, A., Struijs, K., Smeets, A., Alink, G.M., Rietjens, I.M.C.M. (2003), Biphasic modulation of cell proliferation by quercetin at concentration physiologically relevant in humans. *Cancer Letters*. 200(1). 41-47. 10.1016/S0304-3835(03)00412-9
- Broek, L.A.M. van den, Struijs, K., Verdoes, J.C., Beldman, G., Voragen, A.G.J. (2003). Cloning and characterization of two alpha-glucosidases from *Bifidobacterium adolescentis* DSM20083. *Applied Microbiology and Biotechnology*. 61(1). 55-60. 10.1007/s00253-002-1179-1