

Peer reviewed publications 2018 within C4F

- Andersson, M., Turesson, H.,** Olsson, N., **Fält, A-S.,** Olsson, P., Gonzalez, M., Samuelsson, **Per Hofvander, P.** 2018. Genome editing in potato via CRISPR-Cas9 ribonucleoprotein delivery. *Physiologia Plantarum*, 164: 378-384.
- Andersson, M., Turesson, H.,** Arrivault, S., Zhang, Y., **Fält, A-S.,** Fernie, A.R., **Hofvander, P.** 2018. Inhibition of plastid PPase and NTT leads to major changes in starch and tuber formation in potato. *Journal of Experimental Botany*, 69:1913–1924.
- Grimberg, Å., Lager, I.,** Street, N.R., Robinson, K.M., Marttila, S., Mähler, N., Ingvarsson, P.K., Bhalerao, R.P. 2018. Storage lipid accumulation is controlled by photoperiodic signal acting via regulators of growth cessation and dormancy in hybrid aspen. *New Phytol.* 219: 619-630.
- Edvardsson Björnberg K., Zetterberg C., Hansson S.O., Andreasson E. and **Zhu L-H.** 2018. Consistent risk regulation? Differences in the European regulation of food crops, *Journal of Risk Research.* doi.org/10.1080/13669877.2018.1501594
- Nsibande, B.E., Gustavsson, K.-E. and **Zhu, L-H.** 2018. Analysis of Health-Associated Phytochemical Compounds in Seven *Hypoxis* Species. *American Journal of Plant Sciences*, 9, 571-583. <https://doi.org/10.4236/ajps.2018.94044>.
- Zhao, X., Andersson, M. and Andersson, R.** Resistant starch and other dietary fiber components in tubers from a high-amylose potato. *Food Chem.* **251** (2018) 58-63
- Vazques D, Berger A, Prieto-Linde ML, **Johansson E** (2018) Can nitrogen fertilization be used to modulate yield, protein content and bread-making quality in Uruguayan wheat? *J Cereal Sci.* <https://doi.org/10.1016/j.jcs.2018.12.001>.
- Ceresino EB, Kuktaite R, Sato HH, Hedenqvist MS, Johansson E** (2018a) Impact of gluten separation process and transglutaminase source on gluten based dough properties. *Food Hydrocolloids* 87:661-669.
- Ceresino, E. B.; Melo, Ricardo R.; Kuktaite, R.; Hedenqvist, M. S.; Zucchi, T. D.; Johansson, E.; Sato, H. H** (2018b) Transglutaminase from newly isolated *Streptomyces* sp. CBMAI 1617: production optimization, characterization and evaluation in wheat protein and dough systems. *Food Chem.*, 241:403-410.
- Holm L, Malik AH, **Johansson E** (2018) Optimizing yield and quality in malting barley by the governance of field cultivation conditions. *J Cereal Sci* 82: 230-242.
- Rasheed F, Plivelic T, Kuktaite R, Hedenqvist M, Johansson E** (2018) Unravelling the structural puzzle of the giant glutenin polymer – An interplay between protein polymerization, nanomorphology, and functional properties in bioplastic films. *ACS Omega* 3: 5584-5592.
- Alander B, **Capezza AJ, Wu Q, Johansson E, Olsson RT, Hedenqvist MS** (2018) A facile way of making inexpensive rigid and soft protein biofoams with rapid liquid absorption. *Ind Crops Prod* 119:41-48.
- Muneer F, Johansson E, Hedenqvist MS, Plivelic TS, Markedal KE, Petersen IL, Sorensen JC, Kuktaite R** (2018) The impact of newly produced protein and dietary fiber rich fractions of yellow pea (*Pisum sativum* L.) on the structure and mechanical properties of pasta-like sheets. *Food Res Int.* 106:607-618.
- Muneer F, Johansson E, Hedenqvist MS, Plivelic TS, Kuktaite R** (2018) Impact of pH-mediated modification on protein molecular profile and structure-function relationship in potato protein-wheat gluten based biocomposites. *Int. J. Mol. Sci.* XXXXXXX

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- Ye, X., Junel, K., Gällstedt, M., **Langton, M.**, Wei, X-F., Lendel, C., Hedenqvist, M., 2018. Protein/Protein Nanocomposite Based on Whey Protein Nanofibrils in a Whey Protein Matrix., *ACS Sustainable Chemistry & Engineering* 6: 5462-5469. DOI: 10.1021/acssuschemeng.8b00330.
- Ye, X., Hedenqvist, M., **Langton, M.**, Christofer Lendel, C., 2018. On the role of peptide hydrolysis for fibrillation kinetics and amyloid fibril morphology, *RSC Adv.* 8: 6915. DOI: 10.1039/c7ra10981d
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- Avin-Wittenberg T, Baluška F, **Bozhkov PV**, **Elander PH**, Fernie AR, Galili G, Hassan A, Hofius D, Isono E, Le Bars R, Masclaux-Daubresse C, **Minina EA**, Peled-Zehavi H, Coll NS, Sandalio LM, Satiat-Jeunemaitre B, Sirko A, Testillano PS, Batoko H (2018) Review of Autophagy-related Approaches for Improving Nutrient Use Efficiency and Crop Yield Protection. *J Exp Bot* 69: 1335-1353.