

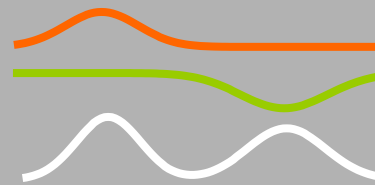
ISSUE 49 (OCTOBER-DECEMBER 2016)

CAT SCIENTISTS RECEIVE THE PRESTIGIOUS NILS FOSS PRIZE:

Professor Rasmus Bro received the first Nils Foss Excellence Price (750.000 DKK) for his introduction of new mathematical methods to help make better use of the vast amounts of valuable data generated by modern analytical instrument platforms in use in the medical, pharmaceutical and food & feed industries.



Post. Doc. Bekzod Khakimov received the first Nils Foss Talent Price (100.000 DKK) for his efforts in building up his 'Foodomics' lab at Copenhagen University including a database of food compounds called the Copenhagen Open Metabolite DatabaSe (COMDAS) for facilitating easy assignments of food metabolites.



Peer reviewed publications October-December 2016:

G Picone, F Savorani, A Trimigno, B Mezzetti, F Capozzi, SB Engelsen. Metabolic changes of genetically engineered grapes (*Vitis vinifera* L.) studied by ¹H-NMR, metabolite heatmaps and iPLS. *Metabolomics*. 12:150, 2016.

B Khakimov, LH Tseng, M Godejohann, S Bak, SB Engelsen. Screening for Triterpenoid Saponins in Plants Using Hyphenated Analytical Platforms. *Molecules*. 21, 1614 (19 pages), 2016.

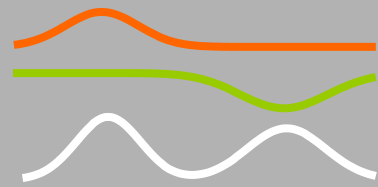
KM Sørensen, B Khakimov, SB Engelsen. The use of rapid spectroscopic screening methods to detect adulteration of food raw materials and ingredients. *Current Opinion in Food Science*. 10, 45–51, 2016.

AJ Svagan, A Kusic, C De Gobba, FH Larsen, P Sassene, Q Zhou, M van de Weert, A Mullertz, B Jørgensen, P Ulvskov. Rhamnogalacturonan-I Based Microcapsules for Targeted Drug Release. *PLOS ONE*. DOI:10.1371/journal.pone.0168050 December 19, 1-13, 2016.

Other publications incl. media October-December 2016:

LH Koss. Brug af nær-infrarød spektroskopi i fødevareindustrien. *PlusProces*. 12, 8-9, 2016.

LH Koss. To fødevareforskere modtager den eftertragtede Nils Foss-pris. *PlusProces*. 12, 24-25, 2016.



Staff:

- Sumana Kadamalakunte Narayana, PhD stud. 1/11-16 – 31/10-19 (supervisor Thomas Skov)
- Giulia Pratico, postdoc 1 year extension 1/12-16 – 30/11-17

Guest Researchers:

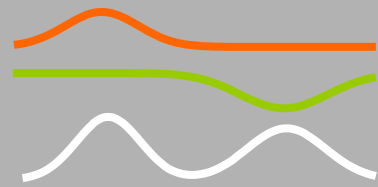
- Olga Noemi Zaratè, Guest researcher, 10/10-16 – 10/1-17 (Å Rinnan)
- Rocio Ros Reina, Guest PhD stud. 1/11 – 31/11-16 (JM Amigo)
- Maurio Le Viglie, Guest researcher, 21/11 – 26/11-16

PhD defenses:

- Alessandra Biancolillo (supervisors T Næs and R Bro) successfully defended her PhD thesis *Method development in the area of multi-block analysis focused on food analysis*, November 18th, 2016

BSc & MSc defenses:

- Kasper Rosenkvist (supervisor Å Rinnan) successfully defended his MSc thesis *Penirs and lactose*, October 12th, 2016



Courses October – December 2016:

Block 2 (November – January):

BSc:

- Rapid Food Quality Control Methods (KM Sørensen, SB Engelsen, 45 students)

MSc:

- Advanced Chemometrics (R Bro, 8 students)
- NMR Spectroscopy (FH Larsen, 18 students)
- Quantitative Bio-spectroscopy (N Viereck, SB Engelsen, FH Larsen, 15 students)

PhD:

- Quantitative Food Spectroscopy (following MSc QBS, 6 students)

ODIN:

- Design of Experiments (5-6/10 2016, Fvd Berg)
- Image Analysis (19/10 2016, JM Amigo)
- Basic Control Theory (1/11 2016, Fvd Berg)
- Processing of untargeted GC-MS data (2/11 2016, R Bro)
- Chemometrics – Bring Your Own Data, (14/11 2016, R Bro)
- Basic Chemometrics (13-14/12 2016, R Bro)

New granted projects:

- EU Mobility Grant (PI Søren B. Engelsen: 0.225 mio DKK, 2016-2018)