

ISSUE 24 (JULY-SEPTEMBER)

PROFESSOR TORMOD NÆS

is associated (10%) with Q&T. Tormod is expert in statistics and chemometrics and coauthor of the famous book "Multivariate Calibration" from 1989.



ASSOCIATE DIRECTOR IMAD A. FARHAT

is appointed as affiliated professor at Department of Food Science. Imad is head of the Flavour Division at the Swish compagny Firmenich. Imad is expert in biopolymer water interactions and flavour encapsulation.

Peer reviewed:

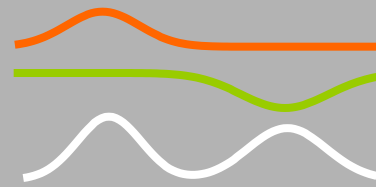
PC Aculey, P Snitkjaer, M Owusu, M Bassompierre, J Takrama, L Nørgaard, MA Petersen and DS Nielsen. Ghanaian cocoa bean fermentation characterized by spectroscopic and chromatographic methods and chemometrics. *Journal of Food Science*, **75: (6) S300- S307, 2010**

L Munck, BM Jespersen, Å Rinnan, HF Seefeldt, MM Engelsen, L Nørgaard and SB Engelsen. A physio-chemical theory on the applicability of soft mathematical models - experimentally interpreted. *Journal of Chemometrics*, **24: (7-8), 481-495, 2010**

M Alvarez-Guerra, D Ballabio, JM Amigo, JR Viguri and R Bro. A chemometric approach to the environmental problem of predicting toxicity in contaminated sediments. *Journal of Chemometrics*, **24 (7-8): 379-386, 2010**

K Kjeldahl and R Bro. Some common misunderstandings in chemometrics. *Journal of Chemometrics*, **24 (7-8): 558-564, 2010**

P Faubert, P Tiiva, Å Rinnan, J Räsänen, JK Holopainen, T Holopainen, E Kyrö and R Rinnan. Non-methane biogenic volatile organic compound emissions from a subarctic peatland under enhanced UV-B radiation. *Ecosystems*, **13: 860-873, 2010**



Peer reviewed:

FH Larsen, H Jørgensen, SB Engelsen and HN Lærke. Metabolic profiling of lymph from pigs fed with β -glucan by high-resolution ^1H NMR spectroscopy. *Livestock Science*, **133: 38–41, 2010**

JM Amigo. Practical issues of hyperspectral imaging analysis of solid dosage forms. *Analytical and Bioanalytical Chemistry*, **398 (1): 93–109, 2010**

M Holse, S Husted and Å Hansen. Chemical composition of marama bean (*Tylosema esculentum*) - A wild African bean with unexploited potential. *Journal of Food Composition and Analysis*, **23 (6): 648–657, 2010**

ML Vigni, C Durante, G Foca, A Ulrici, BM Jespersen, R Bro and M Cocchi. Wheat flour formulation by mixture design and multivariate study of its technological properties. *Journal of Chemometrics*, **24: (7-8), 523-533, 2010**

Other publications:

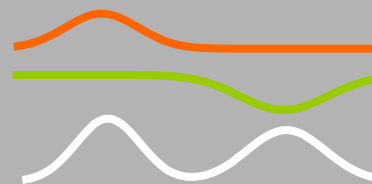
E López-Rituerto, JH Busto, A Avenzoza, JM Peregrina, SB Engelsen and F Savorani. Clasificación de vinos de la D.O.Ca. Rioja empleando resonancia magnética nuclear de protón y técnicas quimiométricas. In: VII Foro mundial del vino: Logroño, **12-14 mayo 2010**

M Popielarz, MA Petersen and TB Toldam-Andersen. Influence of ethylene-blocking action, harvest maturity and storage duration on aroma profile of apples (ildrød pigeon) during storage. In: Expression of Multidisciplinary Flavour Science - Proceedings of the 12th Weurman Symposium Interlaken, Switzerland, **2008**

M Owusu, MA Petersen and H Heimdal. Assessment of aroma of chocolate produced from two Ghanaian cocoa fermentation types. In: Expression of Multidisciplinary Flavour Science - Proceedings of the 12th Weurman Symposium Interlaken, Switzerland, **2008**

MA Petersen, HT Kristensen, M Bakman, C Varming, MP Jensen and Y Ardö. Aroma formation in a cheese model system by different *Lactobacillus helveticus* strains. In: Expression of Multidisciplinary Flavour Science - Proceedings of the 12th Weurman Symposium Interlaken, Switzerland, **2008**

C Varming, TK Beck, MA Petersen and Y Ardö. Volatile compounds and amino acids in cheese powders made from matured cheeses. In: Expression of Multidisciplinary Flavour Science - Proceedings of the 12th Weurman Symposium Interlaken, Switzerland, **2008**.



Other publications:

R Bro, L Nørgaard og SB Engelsen. Det Kemometriske Rum. Find få nåle i høstakken: Forward Selection, *Dansk Kemi*, **91 (6/7): 30-31, 2010**

R Bro, L Nørgaard og SB Engelsen. Den Kemometriske Rum. Jack-knifing – "cut-thecrap", *Dansk Kemi*, **91 (8): 32-33, 2010**

T Skov, SB Engelsen, R Bro og L Nørgaard. Det Kemometriske Rum. Tiderne skifter..., *Dansk kemi*, **91 (9): 58-59, 2010**

Media:

M Holse. Vild ørkenbønne øger levestandarden for fattige afrikanere. U-landsnyt.dk, <http://www.u-landsnyt.dk/blog/69/vild-oerkenboenne-oeger-levestandarden-fattige-afr>, 6. august, 2010

MA Petersen. DR P1 - Videnskabens verden, vært: Kristoffer Frøkjær-Jensen - om grønne kartofler er giftige. <http://www.dr.dk/P1/Videnskabensverden/Podcast/20100105103848.htm>, 28. august 2010_ Interviewet afslutter udsendelsen (fra 50:00 minutter til 55:10 minutter)

MA Petersen. DR P1 - Videnskabens verden, vært: Kristoffer Frøkjær-Jensen - om aroma bl.a. i asparges samt GC-snifning. <http://www.dr.dk/P1/videnskabensverden/Podcast/>, 11. september 2010

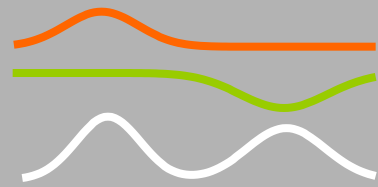
Interviewet afslutter udsendelsen (fra 46:00 minutter til 55:30 minutter)

JM Amigo. Trace-metal distribution of cigarette ashes as marker of tobacco brands: Basque newspaper: <http://www.noticiasdegipuzkoa.com/2010/07/06/ocio-y-cultura/que-mundo/disenan-una-tecnica-para-identificar-la-marca-de-tabaco-a-partir-de-las-cenizas>, 6. July 2010

National Spanish newspaper: <http://www.20minutos.es/noticia/756861/0/>, 5. July 2010

JM Amigo. Trace-metal distribution of cigarette ashes as marker of tobacco brands. Spanish magazine: **JLP Bernal.** La ceniza delatora, *Epoca*, 29. August: 54, 2010

OM Kvalheim, B Grung, E Nodland and T Rajalahti. Editorial - The 11th Scandinavian Symposium on Chemometrics, Loen, Norway, 8–11 June 2009. *Journal of Chemometrics*, 24 (7-8): 343–345, 2010. Inclusive a photo of **José Manuel Amigo** for being runners-up for the Wiley award for the best poster.



Staff:

- PhD student **Bekzod Hamikov** (Søren) - July 2010 – June 2013
- PhD student **Rikke Tange** (Rasmus) - August 2010 – July 2013
- Erasmus student **Ausra Savickaite** (Åse) - August 2010 – February 2011
- Professor **Tormod** (Rasmus)
- Master student: **Julie Cornelia Nodlund Olsen** (Åse) - Sept. 2010 – Febr. 2011

Guest Researchers:

- **Eizo Taira** (Rasmus) Sept. to 15/12-10
- **Ruben Mestanza** (Rasmus) 1/9-10 to 30/11-10
- **Erola Pairo** (Rasmus) 1/9-10 to 12/12-10
- **Christina Piras** (Søren) September to December

PhD defence:

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MSc defences:

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Courses:

- **Basic Food Science** (Birthe, Mikael and Søren; 83 students), Block 1
- **Food and Society** (Grith and Åse; 48 students), September - December
- **Exploratory data analysis** (Åsmund and Thomas; 46 students), Block 1
- ODIN: Design of experiments (Frans; 10-11 participants), September 21-22.
- Quality by Design (Rasmus and Frans; 34 participants), September 8