

## 100 peer reviewed paper jubilee for Bro and Engelsen

### Publications with peer review:

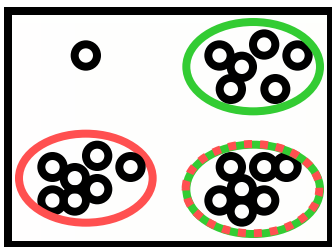
- J. Nguefack, S.K. Nguikwie, D. Fotio, B. Dongmo, P.H. Amvam Zollo, V. Leth, A.E. Nkengfack & L. Poll. Fungicidal potential of essential oils and fractions from *Cymbopogon citratus*, *Ocimum gratissimum* and *Thymus vulgaris* to control *Alternaria padwickii* and *Bipolaris oryzae*, two seed-borne fungi of rice (*Oryza Sativa* L.). *J. Essential Oil Research* **19**:581-587, 2007.
- L. Andrade, E. Micklander, I. Farhat, R. Bro & S.E. Engelsen. DOUBLESPLICING: A non-iterative single profile multi-exponential curve resolution procedure. Application to time-domain NMR transverse relaxation data. *J. Magnetic Resonance* **189**:286-292, 2007.
- S. Kreuzmann, A.K. Thybo, W. Bredie, Training of a sensory panel and profiling of winter hardy and coloured carrot genotypes. *Food Quality and Preference* **18**:482-489, 2007
- L.P. Christensen & S. Kreuzmann. Determination of polyacetylenes in carrot roots (*Daucus carota* L.) by high-performance liquid chromatography coupled with diode array detection. *J.Sep.Sci* **30**:483-490, 2007.
- M. Færgestad, M. Rye, B. Walczak, L. Gidskehaug, J.P. Wold, H. Grove, X. Jia, K. Hollung, U.G. Indahl, F. Westad, F. vd Berg and H. Martens. Pixel-based analysis of multiple images for the identification of changes: A novel approach applied to unravel proteome patterns of 2-D electrophoresis gel images. *Proteomics* **7**:3450-3461, 2007.
- J. v. Frese, S.A. Kovalenko and N.P. Ernsting. Interactive curve resolution by using latent projections in polar coordinates. *J. Chemometrics* **21**:2-9, 2007.

### Other Publications:

- H. Winning & S.B. Engelsen. A ternary full-rank experimental design as viewed by chemometrics and NMR spectroscopy. In: *Magnetic Resonance in Food Science: From Molecules to Man*. I. Farhat, P.S. Belton and G.A. Webb (eds.), The Royal Society of Chemistry, UK, 205-213, 2007.
- Å. Hansen. Cerealier. In: *Fødevarer og kvalitet – råvarer og forarbejdning* (L. Justesen, U. Uebel & K. Østergaard (eds.) Nyt Teknisk Forlag, ISBN: 978-87-571-2618-1, 2007, 317-398.

### Media and Press:

- G. Lerche. Ny Nordisk Mad – fra råvare til mad. *Momentum* 3:Spetember 2007, 21-23.
- L. Nørgaard, S.B. Engelsen & R. Bro. Hvorfor multivariat dataanalyse. *Dansk Kemi* **88**, 12:32-33, 2007.
- B. Pedersen & T. Salomonsen. Kemometri optimerer fødevarerproduktionen. *Plus Proces* **10**:12-15, 2007
- Birger Pedersen. PAT optimerer pektinproduktionen. *Biotech* 6:October 2007, 18-20.
- Birger Pedersen. Kemometri: En ny metode til cancer-diagnostik. *Biotech & Diagnostik* 7-8:December 2007, 16-18.



## Ph.D. defences:

**Leticia Andrade** – Characterisation of flavour delivery systems by NMR – 13.11.07 (Co-supervisor: SB Engelsen)

**Erik Tønning** – Wheat baking quality in a process analytical perspective – Sampling, diversification, prediction and chemometric method development – 16.11.07 (Supervisors: L. Nørgaard & SB Engelsen)

**Merete Møller Nielsen** - The fate of phytic acid and vitamin E during processing of rye and wheat – 20.12.07 (Supervisor: Å. Hansen)

## M.Sc. defences:

**Kristoffer Laursen** (Novo Nordisk) Optimized monitoring of insulin fermentation by implementation of process analytical technology – Investigation of NIR, IR, Raman and fluorescence spectroscopy with chemometrics (Supervisor: R. Bro) – Nov 2007

## Staff:

**Margaret Owusu** (Oct 07 – Oct 10) PhD student - Influence of raw material and processing on aroma in chocolate. (Supervisor: MA Petersen)

**Morten Arendt Rasmussen** (Nov 07 – Oct 10) PhD student in collaboration with Novo Nordisk - New chemometric models for clinical trials. (Supervisor: R. Bro)

**José Manuel Amigo Rubio** – (Dec 07 – Dec 09) post doc grant from the Danish Research Council for Technology and Production (FTP) – New methodologies for monitoring and controlling fermentation processes in real time using tensor models

**Mette Kristensen** is back from maternity leave

**Tina Salomonsen** on study leave from October 07 to Feb 08 at the University of Brisbane, Centre for Magnetic Resonance

**Birger Pedersen** has joined our staff on a part-time basis as scientific journalist

## Guest Researchers:

**Ghulam Mueen ud Din** (Oct 07 - March 08) PhD student from University of Agriculture, Faisalabad, Pakistan – studying flavour in naan bread. Supervisor: Å. Hansen

**Mohsen Kompany Zareh** (Nov 07 – May 08) Researcher from Institute for Advanced Studies in Basic Sciences (IASBS), Iran – working on fluorescence data from the interaction of DNA and drugs (with R. Bro) and with Raman spectroscopy on sugar samples (with F. vd Berg)

## New Projects:

PhD project financed 50% by Danida and 50% by Tomsgruppen A/S (OPP) starting mid October. PhD student: Margaret Owusu from Ghana, subject: Influence of raw material and processing on aroma in chocolate

## Courses:

**Quantitative Food Spectroscopy** - 13 participants. Block 2. SB Engelsen

**PhD course on Aroma** – 6 participants. Block 2. MA Petersen

**Food Quality and Processing Technologies** – 30 participants. Block 2. L. Poll

**Food Texture and Functionality** – 35 participants. Block 2. Å. Hansen (contributor)

**Advanced Chemometrics with MATLAB** – 12 participants. Block 2. L. Nørgaard, R. Bro & F. vd Berg

**ODIN – Design of Experiments** – Nov 13-15 – 18 participants – F.vd. Berg