Michael Krogsgaard Nielsen - DTU Orbit (11/02/2018)

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Publications:

Enzymatic production of wheat and ryegrass derived xylooligosaccharides and evaluation of their in vitro effect on pig gut microbiota
Publication: Research - peer-review › Journal article – Annual report year: 2017

Statistical model semiquantitatively approximates arabinxylooligosaccharides' structural diversity
Dotsenko, G., Nielsen, M. K. & Lange, L. 2016 In : Carbohydrate Research. 426, p. 9-14
Publication: Research - peer-review › Journal article – Annual report year: 2016

Enzyme kinetics and identification of the rate-limiting step of enzymatic arabininoxylan degradation
Rasmussen, L. E., Xu, C., Sørensen, J., Nielsen, M. K. & Meyer, A. S. 2012 In : Biochemical Engineering Journal. 69, p. 8-16
Publication: Research - peer-review › Journal article – Annual report year: 2012

A Laboratory Exercise To Understand the Importance of Enzyme Technology in the Fruit-Processing Industry: Viscosity Decrease and Phenols Release from Apple Mash
Publication: Research - peer-review › Journal article – Annual report year: 2011

Når fisken dør på en smagfuld måde
Nielsen, M. K. 2005 In : Fisk og Hav. 59, p. 60-70
Publication: Research › Journal article – Annual report year: 2005

Seafood Enzymes
Publication: Education - peer-review › Book chapter – Annual report year: 2005

Quantitative relationship between trimethylamine-oxide aldolase activity and formaldehyde accumulation in white muscle from gadiform fish during frozen storage
Nielsen, M. K. & Jørgensen, B. 2004 In : Journal of Agricultural and Food Chemistry. 52, 12, p. 3814-3822
Publication: Research - peer-review › Journal article – Annual report year: 2004

BiC-ansat på FF
Publication: Communication › Journal article – Annual report year: 2003

Role of acetate in production of an autoinducible Class Ila Bacteriocin in Carnobacterium piscicola A9b
Nilsson, L., Nielsen, M. K., Ng, Y. & Gram, L. 2002 In : Applied and Environmental Microbiology. 68, 5, p. 2251-2260
Publication: Research - peer-review › Journal article – Annual report year: 2002

Localization of formaldehyde production during frozen storage of European hake (Merluccius merluccius)
Publication: Research - peer-review › Journal article – Annual report year: 2001

Seafood Enzymes
Publication: Education - peer-review › Book chapter – Annual report year: 2005

Quantitative relationship between trimethylamine-oxide aldolase activity and formaldehyde accumulation in white muscle from gadiform fish during frozen storage
Nielsen, M. K. & Jørgensen, B. 2004 In : Journal of Agricultural and Food Chemistry. 52, 12, p. 3814-3822
Publication: Research - peer-review › Journal article – Annual report year: 2004

BiC-ansat på FF
Publication: Communication › Journal article – Annual report year: 2003

Role of acetate in production of an autoinducible Class Ila Bacteriocin in Carnobacterium piscicola A9b
Nilsson, L., Nielsen, M. K., Ng, Y. & Gram, L. 2002 In : Applied and Environmental Microbiology. 68, 5, p. 2251-2260
Publication: Research - peer-review › Journal article – Annual report year: 2002

Localization of formaldehyde production during frozen storage of European hake (Merluccius merluccius)
Publication: Research - peer-review › Journal article – Annual report year: 2001
A sensitive trimethylamine-N-oxide aldolase assay in two steps without deproteinisation
Publication: Research - peer-review › Journal article – Annual report year: 2000

HNM analysis of water in muscle
Publication: Research › Conference abstract in proceedings – Annual report year: 2000

Quantitative relation between in vitro TMAOase activity and in situ formaldehyde formation
Publication: Research › Conference abstract in proceedings – Annual report year: 2000

TMAO-aldolase i fiskeprodukter : En nøgle til reduktion af kvalitetsproblemerne knyttet til formaldehyd og dimethylamin
Publication: Research › Report – Annual report year: 1998

Relation between TMAOase activity and content of formaldehyde in fillet minces and bellyflap mince from gadoid fishes
Publication: Research › Journal article – Annual report year: 1997

Regulering og stabilitet af phosphofructokinase fra hvid torskemuskel
Publication: Research › Ph.D. thesis – Annual report year: 1996

Projects:

An educational development project concerning the enzyme technology education at BioCentrum-DTU
Nielsen, M. K.
01/10/2005 → 30/06/2006
Project

Ionic liquids: a green solution to enzymatic lipophilisation of bioactive compounds
Guo, Z., Thomsen, K. & Nielsen, M. K.
01/09/2005 → 28/02/2009
Project

TMAO aldolase in fish products. A key to reduction of the quality problems connected with formaldehyde and dimethylamine.
Jørgensen, B. M., Nielsen, M. K., Berner, L., Espe, M., Poulsen, M. & Einarsson, S.
01/11/1997 → 31/10/1998
Project

Purification and characterization of TMAOase of saithe and hake.
Jørgensen, B. M., Nielsen, M. K., Jessen, F., Berner, L., Rehbein, H. & Gonzalez-Sotelo, C.
01/04/1995 → 31/03/1998
Project