Jens Jørgen Sloth - DTU Orbit (19/05/2018)

Jens Jørgen Sloth
Head of Research Group, Senior Researcher

National Food Institute

Research Group for Nano-Bio Science

Postal address:
Kemitorvet
201, 128
2800
Kgs. Lyngby
Denmark
Email: jjsl@food.dtu.dk
Mobile: 93518857
Fax: 35887448
Web address: http://www.food.dtu.dk
Web: http://www.food.dtu.dk

Publications:

Selenium and selenium species in feeds and muscle tissue of Atlantic salmon
Publication: Research - peer-review › Journal article – Annual report year: 2018

An electroplated copper–silver alloy as antibacterial coating on stainless steel
Publication: Research - peer-review › Journal article – Annual report year: 2018

Detection and characterisation of aluminium-containing nanoparticles in Chinese noodles by single particle ICP-MS
Publication: Research - peer-review › Journal article – Annual report year: 2018

Macro and trace elements in Paracentrotus lividus gonads from South West Atlantic areas
Publication: Research - peer-review › Journal article – Annual report year: 2018

The influence of microplastics and halogenated contaminants in feed on toxicokinetics and gene expression in European seabass (Dicentrarchus labrax)
Publication: Research - peer-review › Journal article – Annual report year: 2018

Assessing the effects of seawater temperature and pH on the bioaccumulation of emerging chemical contaminants in marine bivalves
Publication: Research - peer-review › Journal article – Annual report year: 2017

Bioaccessibility of contaminants of emerging concern in raw and cooked commercial seafood species: insights for food safety risk assessment
Publication: Research - peer-review › Conference abstract in proceedings – Annual report year: 2017

Bioavailability of emerging contaminants in seafood
Publication: Research - peer-review › Conference abstract in proceedings – Annual report year: 2017

Can seafood safety be compromised in the ocean of tomorrow?
Publication: Research - peer-review › Conference abstract in proceedings – Annual report year: 2017

Carryover of CH$_3$Hg from feed to sea bass and salmon
Publication: Research › Poster – Annual report year: 2017

Carryover of methylmercury from feed to seabass and salmon
Publication: Research - peer-review › Conference abstract in proceedings – Annual report year: 2017
Effect of cooking on levels of contaminants of emerging concern in commercial seafood
Publication: Research - peer-review › Conference abstract in proceedings – Annual report year: 2017

Effects of industrial processing on essential elements and regulated and emerging contaminant levels in seafood
Publication: Research - peer-review › Journal article – Annual report year: 2017

Effects of industrial processing on regulated and emerging contaminant levels in seafood
Publication: Research - peer-review › Conference abstract in proceedings – Annual report year: 2017

Exploration of the phycoremediation potential of Laminaria digitata towards diflubenzuron, lindane, copper and cadmium in a multitrophic pilot-scale experiment
Publication: Research - peer-review › Journal article – Annual report year: 2017

Iodine in seaweed - occurrence, speciation, bioavailability and risk assessment
Publication: Research - peer-review › Conference abstract in proceedings – Annual report year: 2017

Oral bioaccessibility of toxic and essential elements in raw and cooked commercial seafood species available in European markets
Publication: Research - peer-review › Journal article – Annual report year: 2017

Phycoremediation of diflubenzuron, lindane, copper and cadmium potential by Laminaria digitata
Publication: Research - peer-review › Conference abstract in proceedings – Annual report year: 2017

Phycoremediation potential of brown macroalgae species Saccharina latissimi and Laminaria digitata towards inorganic arsenic in a multitrophic pilot-scale experiment
Publication: Research - peer-review › Conference abstract in proceedings – Annual report year: 2017

Phycoremediation potential of brown macroalgae species Saccharina latissimi and Laminaria digitata towards inorganic arsenic in a multitrophic pilot-scale experiment
Publication: Research - peer-review › Poster – Annual report year: 2017

Report on collaborative trial: Animal feedingstuffs – Determination of iodine in animal feed by ICPMS
Publication: Commissioned › Report – Annual report year: 2017

Risk assessment of methylmercury in five European countries considering the national seafood consumption patterns
Publication: Research - peer-review › Journal article – Annual report year: 2017

The influence of microplastic inclusion in feed on carryover of environmental pollutants from feed to seabass and salmon
Publication: Research - peer-review › Conference abstract in proceedings – Annual report year: 2017

Toxic metals in European Ulva spp. – evaluation of potential use in food and feed applications
Publication: Research - peer-review › Poster – Annual report year: 2017

Accuracy of a method based on atomic absorption spectrometry to determine inorganic arsenic in food: Outcome of the collaborative trial IMEP-41
Publication: Research - peer-review › Journal article – Annual report year: 2016

Arsenic compounds in foodstuffs – the importance of speciation analysis for food safety assessment
Publication: Research - peer-review › Journal article – Annual report year: 2016
Chemical Contaminants: Food monitoring 2012-2013
Publication: Commissioned › Report – Annual report year: 2016

Development of an LC-ICP-MS method for zinc speciation in fish feeds
Publication: Research - peer-review › Poster – Annual report year: 2016

Evaluation of minerals and vitamins in the Danish cultivated sugar kelp
Publication: Research - peer-review › Conference abstract for conference – Annual report year: 2016

Quantitative proteomics suggests metabolic reprogramming during ETHE1 deficiency
Publication: Research - peer-review › Journal article – Annual report year: 2016

There is a need for speciation analysis of selenium in fish feed and fish tissue
Publication: Research - peer-review › Poster – Annual report year: 2016

Toxic Elements
Publication: Research - peer-review › Book chapter – Annual report year: 2016

Arsenico totale e inorganico nei mitili italiani
Publication: Research - peer-review › Poster – Annual report year: 2015

Arsenico totale e inorganico nei mitili italiani
Publication: Research - peer-review › Conference abstract in proceedings – Annual report year: 2015

A study of lipid- and water-soluble arsenic species in liver of Northeast Arctic cod (Gadus morhua) containing high levels of total arsenic
Publication: Research - peer-review › Journal article – Annual report year: 2015

Correlations between arsenolipids, organic and inorganic forms of arsenic, mercury and selenium in muscles and cephalothoraxes of Aristaeomorpha foliacea shrimp
Publication: Research - peer-review › Poster – Annual report year: 2015

Correlations between arsenolipids, organic and inorganic forms of arsenic, mercury and selenium in muscles and cephalothoraxes of Aristaeomorpha foliacea shrimp
Publication: Research - peer-review › Conference abstract in proceedings – Annual report year: 2015

Environmental contaminants of emerging concern in seafood - European database on contaminant levels
Publication: Research - peer-review › Journal article – Annual report year: 2015

Evaluation of the Danish cultivated sugar kelp as possible future source of ingredients such as minerals and pigments
Publication: Research - peer-review › Conference abstract in proceedings – Annual report year: 2015

Exposure to lead from intake of coffee
Publication: Commissioned › Report – Annual report year: 2015

Introduction of regulations for arsenic in feed and food with emphasis on inorganic arsenic, and implications for analytical chemistry
Publication: Research - peer-review › Journal article – Annual report year: 2015

L-Arsenico nei prodotti della pesca lagunare in un'area estrattivo-industriale
Publication: Research - peer-review › Conference abstract in proceedings – Annual report year: 2015
L’Arsenico nei prodotti della pesca lagunare in un’area estrattivo-industriale
Publication: Research - peer-review › Poster – Annual report year: 2015

Toxic elements and speciation in seafood samples from different contaminated sites in Europe
Publication: Research - peer-review › Journal article – Annual report year: 2015

Arsenic-containing fatty acids and hydrocarbons in marine oils - Determination using reversed-phase HPLC-ICP-MS and HPLC-qTOF-MS
Publication: Research - peer-review › Journal article – Annual report year: 2014

Arsenolipids in marine samples – Status and analytical challenges
Publication: Research - peer-review › Conference abstract in proceedings – Annual report year: 2014

Bioavailability of cadmium: Results from in-vivo and in-vitro studies using cocoa and linseeds
Publication: Research - peer-review › Poster – Annual report year: 2014

Bioavailability of cadmium from linseed and cocoa
Publication: Research - peer-review › Conference abstract in proceedings – Annual report year: 2014

Bioavailability of cadmium from linseed and cocoa: A LOUS follow-up project
Publication: Research › Report – Annual report year: 2014

Determination of iodine and iodine compounds in marine samples by ICPMS and HPLC-ICPMS
Publication: Research - peer-review › Conference abstract in proceedings – Annual report year: 2014

Iodine excretion has decreased in Denmark between 2004 and 2010 - the importance of iodine content in milk
Publication: Research - peer-review › Journal article – Annual report year: 2014

Iodine in marine samples: Determination of iodine and iodine compounds in marine samples by ICPMS and HPLC-ICPMS
Publication: Research - peer-review › Poster – Annual report year: 2014

Iodine in marine samples - Determination of Iodine and Iodine Compounds in Marine Samples by ICPMS and HPLC-ICPMS
Publication: Research - peer-review › Poster – Annual report year: 2014

Review of arsenic contamination, exposure through water and food and low cost mitigation options for rural areas
Publication: Research - peer-review › Journal article – Annual report year: 2014

Total and inorganic As in seafood products caught in an environment facing a mining and industrial area in Sardinia (Italy)
Publication: Research - peer-review › Poster – Annual report year: 2014

Toxic Elements in Food: Occurrence, Binding, and Reduction Approaches
Publication: Research - peer-review › Journal article – Annual report year: 2014

Urinary excretion of arsenicals following daily intake of various seafoods during a two weeks intervention
Publication: Research - peer-review › Journal article – Annual report year: 2014

Use of alkaline or enzymatic sample pretreatment prior to characterization of gold nanoparticles in animal tissue by single-particle ICPMS
Publication: Research - peer-review › Journal article – Annual report year: 2013
Arsenic speciation in food – current status on standardization of methods for specific determination of inorganic arsenic
Publication: Research - peer-review › Conference abstract for conference – Annual report year: 2013

Arsen i fiskeoljer
Publication: Research - peer-review › Journal article – Annual report year: 2013

Chemical Contaminants. Food monitoring 2004-2011
Publication: Research › Report – Annual report year: 2013

Consumer leather exposure: an unrecognized cause of cobalt sensitization
Publication: Research - peer-review › Journal article – Annual report year: 2013

Detection of arsenic-containing hydrocarbons in a range of commercial fish oils by GC-ICPMS analysis
Publication: Research - peer-review › Journal article – Annual report year: 2013

Determination of inorganic arsenic in food and feed – European initiatives in research and standardization of methods
Publication: Research - peer-review › Conference abstract for conference – Annual report year: 2013

Inorganic arsenic – SPE HG–AAS method for rice tested in-house and collaboratively
Publication: Research - peer-review › Conference abstract in proceedings – Annual report year: 2013

Inorganic arsenic - SPE HG-AAS method for RICE tested in-house and collaboratively
Publication: Research - peer-review › Poster – Annual report year: 2013

Inorganic arsenic - SPE HG-AAS method for RICE tested in-house and collaboratively
Publication: Research - peer-review › Poster – Annual report year: 2013

Method validation and analysis of nine dithiocarbamates in fruits and vegetables by LC-MS/MS
Publication: Research - peer-review › Journal article – Annual report year: 2014

Methylmercury determined by HPLC-ICP-MS in marine food and feed: in-house method validation and inter-laboratory comparison
Publication: Research › Sound/Visual production (digital) – Annual report year: 2013

Methylmercury determined by hplc– icpms in marine food and feed; in-house method validation and interlaboratory comparison
Publication: Research - peer-review › Conference abstract in proceedings – Annual report year: 2013

Occurrence and sorption properties of arsenicals in marine sediments
Publication: Research - peer-review › Journal article – Annual report year: 2013

Speciation of arsenic by IC-ICP-MS: future standard method and its application on baby food samples
Publication: Research - peer-review › Conference abstract for conference – Annual report year: 2013

SPE HG-AAS method for the determination of inorganic arsenic in rice—results from method validation studies and a survey on rice products
Publication: Research - peer-review › Journal article – Annual report year: 2013

Total and inorganic arsenic in dietary supplements based on herbs, other botanicals and algae—a possible contributor to inorganic arsenic exposure
Publication: Research - peer-review › Journal article – Annual report year: 2013
Arsenolipids in fish oil determined by GC-ICPMS
Publication: Research - peer-review › Poster – Annual report year: 2012

Arsenolipids in marine oils and fats: A review of occurrence, chemistry and future research needs
Publication: Research - peer-review › Review – Annual report year: 2012

Bioopløselighed af arsen i jord fra gamle frugtplantager: Miljøprojekt nr. 1446, 2012
Publication: Research › Report – Annual report year: 2012

Danske kemikere til konference om plasmaspektrokemi
Publication: Research › Journal article – Annual report year: 2012

Determination of Arsenic Species in Marine Samples using Cation Exchange HPLC-ICP-MS
Publication: Research - peer-review › Book chapter – Annual report year: 2012

Determination of Inorganic Arsenic in Rice by Anion Exchange HPLC-ICP-MS
Publication: Research - peer-review › Book chapter – Annual report year: 2012

Development and validation of an SPE HG-AAS method for determination of inorganic arsenic in samples of marine origin
Publication: Research - peer-review › Journal article – Annual report year: 2012

Humans seem to produce arsenobetaine and dimethylarsinate after a bolus dose of seafood
Publication: Research - peer-review › Journal article – Annual report year: 2012

ICP-MS and HPLC-ICP-MS for large scale monitoring of total arsenic and inorganic arsenic in Norwegian seafood
Publication: Research - peer-review › Poster – Annual report year: 2012

ICPMS as an element-specific detector for the analysis of trace element species and nanoparticles
Publication: Research › Sound/Visual production (digital) – Annual report year: 2012

Is it possible to agree on a value for inorganic arsenic in food? The outcome of IMEP-112
Publication: Research - peer-review › Journal article – Annual report year: 2012

Major and minor arsenic compounds accounting for the total urinary excretion of arsenic following intake of blue mussels (Mytilus edulis): A controlled human study
Publication: Research - peer-review › Journal article – Annual report year: 2012

Quantitative Characterization of Gold Nanoparticles by Field-Flow Fractionation (FFF) Coupled On-Line with Light Scattering Detection and ICP-MS
Publication: Research - peer-review › Book chapter – Annual report year: 2012

Speciation analysis of trace elements in foodstuffs by HPLC- and GC-ICPMS
Publication: Research › Sound/Visual production (digital) – Annual report year: 2012

Specific Migration of Organotin Compounds from Food Contact Materials — Selective Determination by GC-ICP-MS
Publication: Research - peer-review › Book chapter – Annual report year: 2012

The CONffIDENCE project - The outcome of WP3 on heavy metals
Publication: Research › Sound/Visual production (digital) – Annual report year: 2012

Total and inorganic arsenic in fish samples from Norwegian waters.
Publication: Research - peer-review › Journal article – Annual report year: 2012
A novel speciation alternative for the determination of inorganic arsenic in marine samples
Publication: Research › Poster – Annual report year: 2011

Arsenic Exposure from Seafood Consumption
Publication: Research › Book chapter – Annual report year: 2011

CONffIDENCE WP3 – Rapid and cost-effective test for heavy metals in the food chain
Publication: Research › Poster – Annual report year: 2011

Course on Advanced Analytical Chemistry and Chromatography
Publication: Research › Conference abstract in proceedings – Annual report year: 2011

Does the determination of inorganic arsenic in rice depend on the method?
Publication: Research › Journal article – Annual report year: 2011

Effects of prenatal exposure to surface-coated nanosized titanium dioxide (UV-Titan). A study in mice (vol 7, 16, 2010)
Publication: Research › Journal article – Annual report year: 2011

Heavy metals in feed - Current regulation, risk assessment, methods of analysis, examples and future trends
Publication: Research › Sound/Visual production (digital) – Annual report year: 2011

IMEP-32: Determination of inorganic arsenic in animal feed of marine origin: A Collaborative Trial Report
Publication: Research › Report – Annual report year: 2012

Mercury speciation analysis in marine samples by HPLC-ICPMS
Publication: Research › Poster – Annual report year: 2011

Novel developments and future needs in methods of analysis for trace element species in food and feed control
Publication: Research › Sound/Visual production (digital) – Annual report year: 2011

Performance of laboratories in speciation analysis in seafood – Case of methylmercury and inorganic arsenic
Publication: Research › Journal article – Annual report year: 2011

Quantitative Characterization of Gold Nanoparticles by Field-Flow Fractionation Coupled Online with Light Scattering Detection and Inductively Coupled Plasma Mass Spectrometry
Publication: Research › Journal article – Annual report year: 2011

Speciation analysis of trace elements in food and feed - status and future developments
Publication: Research › Poster – Annual report year: 2011

Speciation analysis of trace elements in relation to food and feed control - status and future developments
Publication: Research › Sound/Visual production (digital) – Annual report year: 2011

Speciation of arsenic and mercury in feed: why and how?
Publication: Research › Journal article – Annual report year: 2011
Speciation of Heavy Metals - an important parameter for risk assessment of feed and food safety in aquaculture
Publication: Research › Sound/Visual production (digital) – Annual report year: 2011

Arsenic speciation in marine samples – focus on shellfish and seafood safety
Publication: Research › Paper – Annual report year: 2010

Arsenolipids in fish oils
Publication: Research › Poster – Annual report year: 2010

Arsenolipids in seafood
Publication: Research › Poster – Annual report year: 2010

Determination of inorganic arsenic by MAE-SPE-HG-AAS - A simple and inexpensive speciation alternative
Publication: Research › Poster – Annual report year: 2010

Determination of inorganic arsenic - food and feed
Publication: Research › Paper – Annual report year: 2010

Effects of prenatal exposure to surface-coated nanosized titanium dioxide (UV-Titan). A study in mice
Publication: Research - peer-review › Journal article – Annual report year: 2010

Metal accumulation and food safety in wastewater-fed aquatic production systems in Hanoi, Vietnam. Risk assessment of the human dietary intake of different elements
Publication: Research - peer-review › Report – Annual report year: 2010

Rapid Methods for Metal Speciation
Publication: Research › Paper – Annual report year: 2010

Stability of arsenic compounds in seafood samples during processing and storage by freezing
Publication: Research - peer-review › Journal article – Annual report year: 2010

The role of GC-ICPMS in food analysis applications
Publication: Research › Sound/Visual production (digital) – Annual report year: 2010

AFFF-MALS-ICP-MS and electron microscopy for the characterization of nanoparticles in biological studies
Publication: Research › Poster – Annual report year: 2009

Analytical Platform for Characterization of Inorganic Nanoparticles: Combination of Field Flow Fractionation, Light Scattering Detection and Inorganic Mass Spectrometry
Publication: Research › Poster – Annual report year: 2009

Detection and characterisation of nanoparticles by field flow fractionation (FFF) using multi-angle light scattering (MALS) and ICPMS
Publication: Research › Conference abstract for conference – Annual report year: 2009

Determination of inorganic arsenic in food and feed by MAE-SPE-HG-AAS – a simple, inexpensive and fast speciation alternative
Publication: Education › Sound/Visual production (digital) – Annual report year: 2009

Determination of inorganic arsenic in food and feed by MAE-SPE-HG-AAS-A simple, inexpensive and fast speciation alternative
Publication: Research › Poster – Annual report year: 2009
Heavy metal speciation. How and why?
Publication: Research › Sound/Visual production (digital) – Annual report year: 2009

Seafood og kemisk fødevaresikkerhed - classics og newcomers
Publication: Communication › Sound/Visual production (digital) – Annual report year: 2009

Speciation issues in food control - are we ready?
Publication: Research › Conference abstract for conference – Annual report year: 2009

Trace Element Speciation Analysis - recent and future trends in food analysis
Publication: Research › Paper – Annual report year: 2009

Absorption, Excretion, and Retention of Selenium From a High Selenium Yeast in Men With a High Intake of Selenium
Publication: Research - peer-review › Journal article – Annual report year: 2008

Arsen-grænseværdier i fiskeolie skal undersøges
Publication: Communication › Journal article – Annual report year: 2008

Metal In Food – Et forskningsprojekt om forurening af fødevarer med metaller under produktion
Publication: Research › Sound/Visual production (digital) – Annual report year: 2008

Migration of organotin compounds from food contact materials – selective determination using GC-ICPMS
Publication: Research › Conference abstract for conference – Annual report year: 2008

Possibly enhanced Gd-excretion in dialysate, but no clinical benefit of 3-5 months treatment with sodium thiosulfate in nephrogenic systemic fibrosis
Publication: Research - peer-review › Journal article – Annual report year: 2008

Speciation analysis of arsenic and tin by LC- or GC-ICPMS – food safety aspects
Publication: Research › Conference abstract for conference – Annual report year: 2008

Stability of Arsenic Compounds in Seafood Samples During Storage by Freezing
Publication: Research › Poster – Annual report year: 2008

Strategy for in vivo and in vitro toxicity testing of engineered nanoparticles in the Nanotest project
Publication: Research › Poster – Annual report year: 2008

Survey of total and inorganic arsenic content in blue mussels (Mytilus edulis L.) from Norwegian fiords: Revelation of unusual high levels of inorganic arsenic
Publication: Research - peer-review › Journal article – Annual report year: 2008

Udnyttelse af strandkrabber til foderformål
Publication: Research › Report – Annual report year: 2008

Uptake of Iodide From Water in Atlantic Halibut Larvae (Hippoglossus Hippoglossus L.)
Publication: Research - peer-review › Journal article – Annual report year: 2008

Analytical Platform for Characterisation of Inorganic Nanoparticles
Publication: Research › Poster – Annual report year: 2007
Analytical Platform for Characterisation of Inorganic Nanoparticles
Publication: Research › Poster – Annual report year: 2007

Arsen i fôr og mat - analyse og toksikogisk vurdering
Publication: Research › Conference abstract for conference – Annual report year: 2007

Arsen – på den fede måde
Publication: Communication › Journal article – Annual report year: 2007

Determination of Arsenic Species in Marine Samples Using Cation-Exchange HPLC-ICP-MS
Publication: Communication › Book chapter – Annual report year: 2007

Determination of trace element species using ICPMS coupled with GC and HPLC
Publication: Research › Conference abstract for conference – Annual report year: 2007

Kilder og niveauer af kemiske fødevareforureninger
Publication: Research › Conference abstract for conference – Annual report year: 2007

Kilder og niveauer af kemiske fødevareforureninger
Publication: Communication › Journal article – Annual report year: 2007

Produktion af blødskallede strandkrabber i Danmark - en ny marin akvakulturproduktion
Publication: Research › Report – Annual report year: 2007

Produktion af blødskallede strandkrabber i Danmark – en ny marin akvakulturproduktion
Publication: Research › Report – Annual report year: 2007

Specific Migration of Organotin Compounds from Food Contact Materials - Selective Determination using GC-ICPMS
Publication: Research › Poster – Annual report year: 2007

Specific Migration of Organotin Compounds from Food Contact Materials – Selective Determination using GC-ICPMS
Publication: Research › Poster – Annual report year: 2007

Survey of pesticide residues in table grapes: Determination of processing factors, intake and risk assessment
Publication: Research › peer-review › Journal article – Annual report year: 2007

Survey on organotin compounds in Danish seafood using GC-ICPMS
Publication: Research › Conference abstract for conference – Annual report year: 2007

Arsenic exposure from seafood in healthy adult Norwegians - a randomized controlled diet trial
Publication: Research › Poster – Annual report year: 2006

Arsen i fiskeolje som fôringrediens til oppdrettsfisk - en ny utfordring?
Publication: Research › peer-review › Journal article – Annual report year: 2006

Arsen i fiskeolje som fôringrediens til oppdrettsfisk – en ny utfordring?
Publication: Communication › Journal article – Annual report year: 2006

of inorganic arsenic in blue mussel (Mytilus edulis L) from the Norwegian coastline – impact on seafood safety
Publication: Research › Poster – Annual report year: 2006
Prevention of cancer by intervention with selenium (PRECISE) pilot trial: Selenium in nails, plasma and whole blood as biomarkers of yeastselenium intake
Publication: Research › Conference abstract for conference – Annual report year: 2006

Survey of organotin compounds in seafood from Denmark by GC-ICPMS
Publication: Research › Conference abstract for conference – Annual report year: 2006

The occurrence of arsenic in food and feed and toxicological implications
Publication: Research › Conference abstract for conference – Annual report year: 2006

Toxic compounds and farmed salmon
Publication: Research › Conference abstract for conference – Annual report year: 2006

Uptake and speciation of selenium in garlic cultivated in soil amended with symbiotic fungi (mycorrhiza) and selenate
Publication: Research - peer-review › Journal article – Annual report year: 2006

Determination of inorganic arsenic in white fish using microwave-assisted alkaline alcoholic sample dissolution and HPLC-ICP-MS
Publication: Research - peer-review › Journal article – Annual report year: 2005

Is seawater a reliable source of iodine for Atlantic halibut (Hippoglossus hippoglossus L.)?
Publication: Research › Poster – Annual report year: 2005

Report on three aliphatic dimethylarsinoyl compounds as common minor constituents in marine samples. An investigation using high-performance liquid chromatography inductively coupled plasma mass spectrometry and electrospray ionisation tandem mass spectrometry
Publication: Research - peer-review › Journal article – Annual report year: 2005

Report on three dimethylarsinoylarsenicals as common minor constituents in seafood samples. An investigation using HPLC-ICP-MS and ESI-MS-MS, Rapid Communications In Mass Spectrometry
Publication: Research › Report – Annual report year: 2005

Speciation analysis of arsenic – Development of selective methodologies for assessment of seafood safety
Publication: Research › Doctoral thesis – Annual report year: 2005

Survey of inorganic arsenic in marine animals and marine certified reference materials by anion exchange high-performance liquid chromatography-inductively coupled plasma mass spectrometry
Publication: Research - peer-review › Journal article – Annual report year: 2005

Total arsenic and inorganic arsenic content in Norwegian fish feed products
Publication: Research - peer-review › Journal article – Annual report year: 2005

Arsenic speciation analysis – emphasis on inorganic arsenic in seafood
Publication: Research › Conference abstract for conference – Annual report year: 2004

Selective arsenic speciation analysis of human urine reference materials using gradient elution ion-exchange HPLC-ICP-MS
Publication: Research - peer-review › Journal article – Annual report year: 2004

Selenium From a High Se Yeast Supplement Is Well Absorbed and Retained in Humans
Publication: Research › Journal article – Annual report year: 2004
Arsenic speciation analysis using HPLC coupled to ICPMS
Publication: Research › Conference abstract for conference – Annual report year: 2003

Arsenic species in marine samples
Publication: Research › Conference abstract for conference – Annual report year: 2003

Determination of arsenic species in marine CRMs by ion-exchange HPLC-ICPMS – emphasis on minor constituents
Publication: Research › Poster – Annual report year: 2003

Determination of organoarsenic species in marine samples using gradient elution cation exchange HPLC-ICP-MS
Publication: Research - peer-review › Journal article – Annual report year: 2003

Determination of total selenium and Se-77 in isotopically enriched human samples by ICP-dynamic reaction cell-MS
Publication: Research - peer-review › Journal article – Annual report year: 2003

Investigation on the arsenic content in processed seafood
Publication: Research › Poster – Annual report year: 2003

Selenium speciation and isotope composition in 77Se-enriched yeast using gradient elution HPLC separation and ICP-dynamic reaction cell-MS
Publication: Research - peer-review › Journal article – Annual report year: 2003

Arsenic speciation in marine samples by cation-exchange HPLC-ICPMS
Publication: Research › Conference abstract for conference – Annual report year: 2002

Arsenic speciation in marine samples by cation-exchange HPLC-ICPMS
Publication: Research › Conference abstract for conference – Annual report year: 2002

Arsenic speciation in marine samples by cation-exchange HPLC-ICPMS
Publication: Research › Poster – Annual report year: 2002

Determination of Selenium and the 77Se Fraction in Human Serum, Urine and Faeces
Publication: Research › Conference abstract for conference – Annual report year: 2002

Analyse af sporelementer i levnedsmidler ved ICP-DRC-MS
Publication: Communication › Journal article – Annual report year: 2000

Den dynamiske reaktionscelle
Publication: Research › Poster – Annual report year: 2000

Den dynamiske reaktionscelle – nye muligheder og udfordringer for ICPMS-teknikken
Publication: Research › Conference abstract for conference – Annual report year: 2000

Determination of trace elements using ICP-DRC-MS
Publication: Research › Poster – Annual report year: 2000

The application of inductively coupled plasma dynamic reaction cell mass spectrometry for measurement of selenium isotopes, isotope ratios and chromatographic detection of selenoamino acids
Publication: Research - peer-review › Journal article – Annual report year: 2000
Multielementbestemmelse ved HR-ICP-MS
Publication: Research › Conference abstract for conference – Annual report year: 1997

Determination of Ultra-trace Amounts of Arsenic(III) by Flow Injection Hydride Generation Atomic Absorption Spectrometry with On-line Preconcentration by Coprecipitation with Lanthanum Hydroxide or Hafnium Hydroxide
Publication: Research - peer-review › Journal article – Annual report year: 1996

Determination of Ultra-Trace Amounts of Selenium(IV) by Flow Injection Hydride Generation Atomic Absorption Spectrometry with On-line Preconcentration by Co-precipitation with Lanthanum Hydroxide. Part II. On-line Addition of Coprecipitating Agent
Publication: Research - peer-review › Journal article – Annual report year: 1996

Projects:

Ultra-Trace speciation analysis of chromium in foodstuff by high performance liquid chromatography coupled to inductively coupled plasma mass spectrometry using species specific isotope dilution
Project: PhD

Udvikling af bæredygtige innovative fødevareingredienser på basis af ørredrestprodukter
Project

Udvikling af bæredygtige innovative fødevareingredienser på basis af ørredrestprodukter
Project

ECSafeSEAFOOD. Priority environmental contaminants in seafood: safety assessment, impact and public perception
Project

Toksikologiske effekter af akkumulering af nanopartikler i leveren
Project: PhD

Extraction and characterisation of highly bioactive ingredients from Nordic marine algae
Project: PhD

Development and characterization of nano-microstructures as carrier for bioactive compounds
Project: PhD

Arsenolipids in fish oil, fish feed, fish and other seafood
Project

Electronic Transmission of Chemical Occurrence Data (CFP/EFSA/DATEX/2009/01)
Project

Contaminants in food and feed: Inexpensive detection for control of exposure (CONFIDENCE)
Project

Content, bioavailability and health effects of trace elements and bioactive components in organic agricultural systems
Project

Biosynthesis of cancer-preventive organoselenium compounds by metabolically engineered yeast (YESSEL)
Project
Analytical characterization of nanoparticles
Project

Organotin compounds in food contact materials
Project

Organotin compounds in food contact materials
Project

Organotin speciation in seafood
Project

Metal Release by Corrosion and Wear in the Food Industry
Project

Metal Release by Corrosion and Wear in the Food Industry
Project

Prevention of Cancer by Intervention with Selenium (PRECISE)
Project

Arsenic speciation in seafood
Project

Selenium speciation and bioavailability
Project

Activities:

Application of seaweeds in food and feed - analysis of toxic elements and implications for food/feed safety
Activity: Talks and presentations › Conference presentations

Fractional factorial design to assess zinc speciation in Atlantic salmon (Salmo salar) feeds
Activity: Talks and presentations › Conference presentations

Arsenic compounds in foodstuffs – the importance of speciation analysis for food safety assessment
Activity: Talks and presentations › Conference presentations

Determination of iodine and inorganic arsenic in feed: analytical methods and risk assessment
Activity: Talks and presentations › Conference presentations

International Feed Conference
Activity: Attending an event › Participating in or organising a conference

Inorganic arsenic in food and feed – the journey from research to legislation and standardization of methods
Activity: Talks and presentations › Conference presentations

Toxic trace elements in seaweed – occurrence, analysis and food safety assessment
Activity: Talks and presentations › Conference presentations
The complex natural chemistry of arsenic – analytical challenges and implications on food safety
Activity: Talks and presentations › Conference presentations

Use of seaweed in food and feed – implications for food/feed safety
Activity: Talks and presentations › Conference presentations

Nordic conference on plasmaspectrochemistry
Activity: Attending an event › Participating in or organising a conference

Examples of use of Agilent 8800 ICP-QQQ in food research - speciation analysis and nanoparticle characterisation
Activity: Talks and presentations › Conference presentations

Food Analysis Congress
Activity: Attending an event › Participating in or organising a conference

Arsenic compounds in foodstuffs – recent developments in speciation analysis and food safety assessment
Activity: Talks and presentations › Conference presentations

An update on the analysis of lipid-soluble arsenic compounds in marine oils – new compounds and new challenges
Activity: Talks and presentations › Conference presentations

Speciation analysis of lipid-soluble arsenic compounds (arsenolipids) in marine oils – new compounds and new challenges
Activity: Talks and presentations › Conference presentations

7th Nordic Conference on Plasma Spectrochemistry
Activity: Attending an event › Participating in or organising a conference

5th International IUPAC Symposium for Trace Elements in Food
Activity: Attending an event › Participating in or organising a conference

Iodine in seaweed
Activity: Talks and presentations › Conference presentations

Arsenic speciation in food – current status on standardization of methods for specific determination of inorganic arsenic
Activity: Talks and presentations › Conference presentations

Determination of inorganic arsenic in food and feed – European initiatives in research and standardization of methods
Activity: Talks and presentations › Conference presentations

Arsenic speciation in food – emphasis on inorganic arsenic
Activity: Talks and presentations › Conference presentations

5th International Symposium on Recent Advances in Food Analysis (RAFA): Inorganic arsenic determined by SPE separation and AAS detection - a novel speciation approach
Activity: Talks and presentations › Conference presentations

Arsenic speciation in food and feed, CRL Speciation training course
Activity: Talks and presentations › Conference presentations
**Lipid-soluble contaminants**
Activity: Talks and presentations › Conference presentations

**Speciation analysis of trace elements by HPLC- and GC-ICPMS, Danish Society for Analytical Chemistry**
Activity: Talks and presentations › Conference presentations

**Arsen i marine prøver**
Activity: Talks and presentations › Conference presentations

**Metalpartikler i fødevaren – hvordan kan det måles?**
Activity: Talks and presentations › Conference presentations

**Tungmetaller i fødevaren**
Activity: Talks and presentations › Conference presentations

**Prevention of Cancer by Intervention With Selenium (PRECISE) pilot trial: selenium in nails, plasma and whole blood as biomarkers of yeast-selenium intake. Co-author.**
Activity: Talks and presentations › Conference presentations

**Specieringsanalyser av arsen i sjømat ved HPLC-ICPMS**
Activity: Talks and presentations › Conference presentations

**Fødevaresikkerhed for blødskaede krabber**
Activity: Talks and presentations › Conference presentations

**CEN TC275 WG10 Foodstuffs - Expert group on Elements and their chemical Species (External organisation)**
Activity: Membership › Membership of committees, commissions, boards, councils, associations, organisations, or similar

**CEN TC327 Animal Feedingstuffs - Expert group on Elements and their chemical species (External organisation)**
Activity: Membership › Membership of committees, commissions, boards, councils, associations, organisations, or similar

**Fra råstof til færdigvare – hvordan analyseres for spormængder af metal i fødevarer**
Activity: Talks and presentations › Conference presentations

**Toksiske stoffer i fisk, DIFRES seminar**
Activity: Talks and presentations › Conference presentations

**Speciation and bioavailability of inorganic arsenic, selenium and iodine in food. Co-author.**
Activity: Talks and presentations › Conference presentations

**Speciation analysis by HPLC-ICP-MS**
Activity: Other

**Selenium speciation and isotope abundance measurements in intrinsically 77Se-labelled yeast and human samples by HPLC with detection by ICP-DRC-MS and ES-MS. Co-author.**
Activity: Talks and presentations › Conference presentations

**2002 Winter Conference on Plasma Spectrochemistry**
Activity: Talks and presentations › Conference presentations

**The use of dynamic reaction cell ICP-MS and ES-MS for selenium isotope analysis and speciation in biological materials**
Activity: Talks and presentations › Conference presentations
Press clippings:

Inorganic arsenic, arsenolipids, iodine – tracking future feed controls
Press / Media

CEN standard for arsenik
Press / Media

Europæisk standard metode (CEN) Uorganisk arsen i fødevarer
Press / Media

Nanopartikler i fødevarer
Press / Media