

Charlotte Jacobsen - DTU Orbit (08/08/2016)

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National Food Institute - Professor MSO, Head of Research Group

Research Group for Bioactives - Analysis and Application

Publications:

Antioxidant activity of cod (Gadus morhua) protein hydrolysates: Fractionation and characterisation of peptide fractions Farvin Habebullah, S., Andersen, L. L., Otte, J., Nielsen, H. H., Jessen, F. & Jacobsen, C. 2016 In: Food Chemistry. 204, p. 409-419 11 p.

Publication: Research - peer-review > Journal article - Annual report year: 2016

Antioxidant effect of water and acetone extracts ofFucus vesiculosuson oxidative stability of skin care emulsions

Poyato, C., Thomsen, B. R., Hermund, D. B., Ansorena, D., Astiasarán, I., Jónsdóttir, R., Kristinsson, H. G. & Jacobsen, C. 2016 In: European Journal of Lipid Science and Technology.

Publication: Research - peer-review > Journal article - Annual report year: 2016

Antioxidant Efficacies of Rutin and Rutin Esters in Bulk Oil and Oil-in-Water Emulsion

Lue, B-M., Sørensen, A-D. M., Jacobsen, C., Guo, Z. & Xu, X. 2016 In: European Journal of Lipid Science and Technology.

Publication: Research - peer-review > Journal article - Annual report year: 2016

Antioxidative Effect of Seaweed Extracts in Chilled Storage of Minced Atlantic Mackerel (Scomber scombrus): Effect on Lipid and Protein Oxidation

Babakhani, A., Farvin, K. H. S. & Jacobsen, C. 2016 In: Food and Bioprocess Technology. 9, 2, p. 352-364 13 p. Publication: Research - peer-review > Journal article - Annual report year: 2015

Comparison of Three Methods for Extraction of Volatile Lipid Oxidation Products from Food Matrices for GC–MS Analysis Thomsen, B. R., Yesiltas, B., Sørensen, A-D. M., Hermund, D. B., Glastrup, J. & Jacobsen, C. 2016 In: JAOCS. 93, 7, p. 1-14 14 p.

Publication: Research - peer-review > Journal article - Annual report year: 2016

Development of a broodstock diet to improve developmental competence of embryos in European eel, Anguilla anguilla Støttrup, J. G., Tomkiewicz, J., Jacobsen, C., Butts, I., Holst, L. K., Krüger-Johnsen, M., Graver, C., Lauesen, P., Fontagné-Dicharry, S., Heinsbroek, L. T. N., Corraze, G. & Kaushik, S. 2016 In: Aquaculture Nutrition. 22, 4, p. 725-737 Publication: Research - peer-review > Journal article - Annual report year: 2015

Encapsulation of fish oil in nanofibers by emulsion electrospinning: Physical characterization and oxidative stability García Moreno, P. J., Boutrup Stephansen, K., van derKruijs, J., Guadix, A., Guadix, E. M., Chronakis, I. S. & Jacobsen, C. 2016 In: Journal of Food Engineering. 183, p. 39-49

Publication: Research - peer-review > Journal article - Annual report year: 2016

Extraction, characterization and application of antioxidants from the Nordic brown alga Fucus vesiculosus

Hermund, D. B., Jacobsen, C. & Nielsen, K. F. 2016 Kgs. Lyngby: National Food Institute, Technical University of Denmark. 111 p.

Publication: Research > Ph.D. thesis - Annual report year: 2016

Fish oil extracted from fish-fillet by-products is weakly linked to the extraction temperatures but strongly linked to the omega-3 content of the raw material

Honold, P., Nouard, M-L. & Jacobsen, C. 2016 In: European Journal of Lipid Science and Technology. 118, 6, p. 874-884 Publication: Research - peer-review > Journal article - Annual report year: 2015

High-EPA Biomass from *Nannochloropsis salina* Cultivated in a Flat-Panel Photo-Bioreactor on a Process Water-Enriched Growth Medium

Safafar, H., Hass, . M. Z., Møller, P., Holdt, S. L. & Jacobsen, C. 2016 In: Marine Drugs. 14, 8, 19 p., 144

Publication: Research - peer-review > Journal article - Annual report year: 2016

Marine ecosystem connectivity mediated by migrant–resident interactions and the concomitant cross-system flux of lipids Deurs, M. V., Persson, A., Lindegren, M., Jacobsen, C., Neuenfeldt, S., Jørgensen, C. & Nilsson, P. A. 2016 In: Ecology and Evolution.

Publication: Research - peer-review > Journal article - Annual report year: 2016

Oxidative Stability and Shelf Life of Food Emulsions

Jacobsen, C. 2016 Oxidative Stability and Shelf Life of Foods Containing Oils and Fats. AOCS American Oil Chemists' Society, Ch. 8, p. 287-312 26 p.

Publication: Research - peer-review > Book chapter - Annual report year: 2016

Oxidative Stability and Shelf Life of Foods Containing Oils and Fats

Hu, M. (ed.) & Jacobsen, C. (ed.) 2016 AOCS American Oil Chemists' Society. 542 p.

Publication: Research - peer-review > Book - Annual report year: 2016

Oxidative stability during storage of fish oil from filleting by-products of rainbow trout (Oncorhynchus mykiss) is largely independent of the processing and production temperature

Honold, P., Nouard, M-L. & Jacobsen, C. 2016 In: European Journal of Lipid Science and Technology. 118, 6, p. 967-973 Publication: Research - peer-review > Journal article - Annual report year: 2015

Oxidative Stability of Nano-Microstructures containing fish oil

García Moreno, P. J., Özdemir, N., Boutrup Stephansen, K., Mateiu, R. V., Echegoyen, Y., M. Lagaron, J., Chronakis, I. S. & Jacobsen, C. 2016

Publication: Research - peer-review > Conference abstract for conference - Annual report year: 2016

Physical and Oxidative Stability of Fish Oil-In-Water Emulsions Stabilized with Fish Protein Hydrolysates

García Moreno, P. J., Guadix, A., Guadix, E. M. & Jacobsen, C. 2016 In: Food Chemistry. 203, p. 124-135

Publication: Research - peer-review > Journal article - Annual report year: 2016

Potential seaweed-based food ingredients to inhibit lipid oxidation in fish-oil-enriched mayonnaise

Honold, P., Jacobsen, C., Jónsdóttir, R., Kristinsson, H. G. & Hermund, D. B. 2016 In: European Food Research and Technology. 242, 4, p. 571-584

Publication: Research - peer-review > Journal article - Annual report year: 2015

Quality changes of Antarctic krill powder during long term storage

Nielsen, N. S., Lu, H. F. S., Bruheim, I. & Jacobsen, C. 2016 In: European Journal of Lipid Science and Technology. Publication: Research - peer-review > Journal article - Annual report year: 2016

Alkyl chain length impacts the antioxidative effect of lipophilized ferulic acid in fish oil enriched milk

Sørensen, A-D. M., Lyneborg, K. S., Villeneuve, P. & Jacobsen, C. 2015 In: Journal of Functional Foods. 183, p. 190-196 9 n

Publication: Research - peer-review > Journal article - Annual report year: 2015

Antioxidant Activity of Seaweed Extracts: In Vitro Assays, Evaluation in 5 % Fish Oil-in-Water Emulsions and Characterization

Farvin Habebullah, S. & Jacobsen, C. 2015 In: Journal of the American Oil Chemists' Society. 92, 4, p. 571-587 17 p. Publication: Research - peer-review > Journal article - Annual report year: 2015

Antioxidative effect of lipophilized caffeic acid in fish oil enriched mayonnaise and milk

Alemán, M., Bou, R., Guardiola, F., Durand, E., Villeneuve, P., Jacobsen, C. & Sørensen, A-D. M. 2015 In: Food Chemistry. 167, p. 236-244 9 p.

Publication: Research - peer-review > Journal article - Annual report year: 2015

Carotenoids, Phenolic Compounds and Tocopherols Contribute to the Antioxidative Properties of Some Microalgae Species Grown on Industrial Wastewater

Safafar, H., van Wagenen, J. M., Møller, P. & Jacobsen, C. 2015 In: Marine Drugs. 13, 12, p. 7339-7356

Publication: Research - peer-review > Journal article - Annual report year: 2015

Characterisation and antioxidant evaluation of Icelandic F. vesiculosus extracts in vitro and in fish-oil-enriched milk and mayonnaise

Hermund, D. B., Yesiltas, B., Honold, P., Jónsdóttir, R., Kristinsson, H. G. & Jacobsen, C. 2015 In: Journal of Functional Foods. 19, Part B, p. 828-841

Publication: Research - peer-review > Journal article - Annual report year: 2015

Determination of toxic elements (Pb, Hg, Cd, As) and fatty acids in muscles and cephalothoraxes in a Mediterranean and a northern rose shrimp: a comparative study of Parapenaeus longirostris and Pandalus borealis

Soultani, G., Stathopoulou, E., Rasmussen, R. R., Herbst, B. K. & Jacobsen, C. 2015 *Book of abstracts of the fifth international conference on environmental management, engineering, planning & economics.* Kungolos, A., Aravossis, K., Laspidou, C., Samaras, P. & Schramm, K-W. (eds.). Mykonos island, Greece: CEMEPE, p. 13-13 1 p.

Publication: Research - peer-review > Conference abstract in proceedings - Annual report year: 2015

Determination of toxic elements (Pb, Hg, Cd, As) and fatty acids in muscles and cephalothoraxes in a Mediterranean and a northern rose shrimp: a comparative study of Parapenaeus longirostris and Pandalus borealis

Soultani, G., Stathopoulou, E., Rasmussen, R. R., Herbst, B. K. & Jacobsen, C. 2015

Publication: Research - peer-review > Poster - Annual report year: 2015

Emulsifying and antioxidant properties of fish protein hydrolysates obtained from discarded species: evaluation on fish oil-in-water emulsions

García Moreno, P. J., Guadix, A., Guadix, E. M. & Jacobsen, C. 2015 *Book of Abstracts. DTU's Sustain Conference 2015.* Lyngby: Technical University of Denmark, 1 p. F-3

Publication: Research - peer-review > Conference abstract in proceedings - Annual report year: 2015

Impact of dietary fatty acids on muscle composition, liver lipids, milt composition and sperm performance in European eel Butts, I., Baeza, R., Støttrup, J., Krüger-Johnsen, M., Jacobsen, C., Pérez, L., Asturiano, J. & Tomkiewicz, J. 2015 In: Comparative Biochemistry and Physiology. Part A: Molecular & Integrative Physiology. 183, p. 87-96

Publication: Research - peer-review > Journal article - Annual report year: 2015

Isolation of glycoproteins from brown algae.

Surendraraj, A., Farvin Koduvayur Habeebullah , S. & Jacobsen, C. 2015

Publication: Research > Patent - Annual report year: 2015

Lipids and Composition of Fatty Acids of Saccharina latissima Cultivated Year-round in Integrated Multi-trophic Aquaculture

Silva Marinho, G., Holdt, S. L., Jacobsen, C. & Angelidaki, I. 2015 In: Marine Drugs. 13, 7, p. 4357-4374 Publication: Research - peer-review > Journal article - Annual report year: 2015

Microalgal bioremediation of nutrients in wastewater and production of food/feed ingredients

Safafar, H., Møller, P., Holdt, S. L. & Jacobsen, C. 2015 *Book of Abstracts. DTU's Sustain Conference 2015.* Lyngby: Technical University of Denmark, 1 p. F-4

Publication: Research - peer-review > Conference abstract in proceedings - Annual report year: 2015

New parameters for evaluating the quality of commercial krill oil capsules from the aspect of lipid oxidation and nonenzymatic browning reactions

Lu, H. F. S., Bruheim, I. & Jacobsen, C. 2015 In: European Journal of Lipid Science and Technology. 117, 8, p. 1214-1224

Publication: Research - peer-review > Journal article - Annual report year: 2015

Nutramara conference: Arnessing Marine Bioresources for Innovations in the Food Industry

Safafar, H., Jacobsen, C. & Møller, P. 2015

Publication: Research - peer-review > Poster - Annual report year: 2015

Oxidative stability of electrospun nanofibers loaded with fish oil

García Moreno, P. J., Boutrup Stephansen, K., Guadix, A., Guadix, E. M., Chronakis, I. S. & Jacobsen, C. 2015 Fats, oils and lipids: New challenges in technology, quality control and health: Book of abstracts. Florence, Italy, p. 30-30 1 p. Publication: Research - peer-review > Conference abstract in proceedings – Annual report year: 2016

Physical and oxidative stability of fish oil-in-water emulsions stabilized with fish protein hydrolysates

García Moreno, P. J., Guadix, A., Guadix, E. M. & Jacobsen, C. 2015

Publication: Research - peer-review > Conference abstract for conference - Annual report year: 2016

Production of omega-3 nanodelivery systems by emulsion electrospinning

García Moreno, P. J., van der Kruijs, J., Boutrup Stephansen, K., Chronakis, I. S. & Jacobsen, C. 2015 *Electrospinning: principles, practice and possibilities 2015: Programme and abstract book.* London, Uk, p. 22-22 1 p.

Publication: Research - peer-review > Conference abstract in proceedings - Annual report year: 2016

Production of omega-3 rich fish oil from by-products of Danish trout farms

Honold, P. J., Nouard, M-L. & Jacobsen, C. 2015 *Book of Abstracts. DTU's Sustain Conference 2015.* Lyngby: Technical University of Denmark, 1 p. F-14

Publication: Research - peer-review > Conference abstract in proceedings - Annual report year: 2015

Some strategies for the stabilization of long chain n-3 PUFA-enriched foods: A review

Jacobsen, C. 2015 In: European Journal of Lipid Science and Technology. 117, 11, p. 1853-1866

Publication: Research - peer-review > Review - Annual report year: 2015

The effect of thermal treatment on the quality changes of Antartic krill meal during the manufacturing process: High processing temperatures decrease product quality

Lu, H. F. S., Bruheim, I., Ale, M. T. & Jacobsen, C. 2015 In: European Journal of Lipid Science and Technology. 117, 4, p. 411-420

Publication: Research - peer-review > Journal article - Annual report year: 2015

Antioxidant activities and functional properties of protein and peptide fractions isolated from salted herring brine

Taheri, A., Farvin, S., Jacobsen, C. & Baron, C. P. 2014 In: Food Chemistry. 142, p. 318-326

Publication: Research - peer-review > Journal article - Annual report year: 2014

Antioxidant activity of Cod (Gadus morhua) protein hydrolysates: In vitro assays and evaluation in 5% fish oil-in-water emulsion

Farvin, S., Andersen, L. L., Nielsen, H. H., Jacobsen, C., Jakobsen, G., Johansson, I. & Jessen, F. 2014 In: Food Chemistry. 149, p. 326-334

Publication: Research - peer-review > Journal article - Annual report year: 2014

Antioxidant properties and efficacies of synthesized alkyl caffeates, ferulates, and coumarates

Sørensen, A-D. M., Durand, E., Laguerre, M., Bayrasy, C., Lecomte, J., Villeneuve, P. & Jacobsen, C. 2014 In: Journal of Agricultural and Food Chemistry. 62, 52, p. 12553-12562 10 p.

Publication: Research - peer-review > Journal article - Annual report year: 2015

Antioxidative properties of some phototropic microalgae grown in waste water

Safafar, H., Jacobsen, C. & Møller, P. 2014

Publication: Research - peer-review > Conference abstract for conference - Annual report year: 2015

Development of harvesting and up concentration technologies for microalgae as an ingredient in fish feed

Safafar, H., Jacobsen, C. & Møller, P. 2014 *Abstract Book - DTU Sustain Conference 2014.* Kgs. Lyngby: Technical University of Denmark, 1 p.

Publication: Research - peer-review > Conference abstract in proceedings - Annual report year: 2014

Development of healthy marine ingredients from waste products from smoked rainbow trout

Jacobsen, C., Honold, P. & Nouard, M-L. 2014 Abstract Book - DTU Sustain Conference 2014. Kgs. Lyngby: Technical University of Denmark, 1 p.

Publication: Research - peer-review > Conference abstract in proceedings - Annual report year: 2014

Development of volatile compounds during storage of different skin care products at various conditions

Horn, A. F., Thomsen, B. R., Hyldig, G., Elliot, R. & Jacobsen, C. 2014

Publication: Research - peer-review > Conference abstract for conference - Annual report year: 2014

Effect of temperature towards lipid oxidation and non-enzymatic browning reactions in krill oil upon storage

Lu, H. F. S., Bruheim, I., Haugsgjerd, B. O. & Jacobsen, C. 2014 In: Food Chemistry. 157, p. 398-407 10 p.

Publication: Research - peer-review > Journal article - Annual report year: 2014

Effects of dietary fatty acids on the production and quality of eggs and larvae of Atlantic cod (Gadus morhua L.)

Røjbek, M., Støttrup, J., Jacobsen, C., Tomkiewicz, J., Nielsen, A. & Trippel, E. A. 2014 In: Aquaculture Nutrition. 20, 6, p. 654-666

Publication: Research - peer-review > Journal article - Annual report year: 2014

Influence of Casein-Phospholipid Combinations as Emulsifier on the Physical and Oxidative Stability of Fish Oil-in-Water Emulsions

García Moreno, P. J., Horn, A. F. & Jacobsen, C. 2014 In: Journal of Agricultural and Food Chemistry. 62, 5, p. 1142-1152 11 p.

Publication: Research - peer-review > Journal article - Annual report year: 2014

Influence of dietary lipid and protein sources on the sensory quality of organic rainbow trout (Oncorhynchus mykiss) after ice storage

Green-Petersen, D., Hyldig, G., Jacobsen, C., Baron, C. P., Lund, I., Nielsen, H. H. & Jokumsen, A. 2014 In: Journal of Aquatic Food Product Technology. 23, 4, p. 333-346

Publication: Research - peer-review > Journal article - Annual report year: 2012

Lipid oxidation during instrumented dynamic in vitro digestion of marine oil-enriched milk

Meynier, A., Jacobsen, C., Thomsen, B. R., Brestaz, P., Ribourg, L., Viau, M. & Genot, C. 2014

Publication: Research - peer-review > Poster - Annual report year: 2014

Lipid profiling of some authotrophic microalgae grown on waste water

Safafar, H., Jacobsen, C. & Møller, P. 2014

Publication: Research - peer-review > Conference abstract for conference - Annual report year: 2015

Oxidative stability and non-enzymatic browning reactions in Antarctic krill oil (Euphausia superba)

Lu, H. F. S., Bruheim, I. & Jacobsen, C. 2014 In: Lipid Technology. 26, 5, p. 111-114

Publication: Research - peer-review > Journal article - Annual report year: 2014

Quality changes in krill and krill products during their manufacturing process: the effect of temperature Lu, H. F. S., Jacobsen, C. & Bruheim, I. 2014

Publication: Research - peer-review > Conference abstract for conference - Annual report year: 2014

The degree of lipophilization affects antioxidative efficacy of ferulates in omega-3 enriched milk

Sørensen, A-D. M., Lyneborg, K. S., Villeneuve, P. & Jacobsen, C. 2014

Publication: Research - peer-review > Conference abstract for conference - Annual report year: 2014

Antioxidant Effect of Seaweed Extracts in Vitro and in Food Emulsion Systems Enriched With Fish Oil

Larsen, D. B., Farvin, S. & Jacobsen, C. 2013

A review on broodstock nutrition of marine pelagic spawners: the curious case of the freshwater eels (Anguilla spp.)

Heinsbroek, L. T. N., Støttrup, J. G., Jacobsen, C., Corraze, G., Kraiem, M. M., Holst, L. K., Tomkiewicz, J. & Kaushik, S. J. 2013 In: Aquaculture Nutrition. 19, supplement s1, p. 1-24

Publication: Research - peer-review > Journal article - Annual report year: 2013

Caffeates as antioxidants in emulsions and the effect of tocopherols

Sørensen, A-D. M., Durand, E., Villeneuve, P. & Jacobsen, C. 2013

Publication: Research - peer-review > Conference abstract for conference - Annual report year: 2013

Characterization of Oxidative Stability of Fish Oil- and Plant Oil-Enriched Skimmed Milk

Saga, L. C., Kristinova, V., Kirkhus, B., Jacobsen, C., Skaret, J., Liland, K. H. & Rukke, E-O. 2013 In: J A O C S. 90, 1, p. 113-122

Publication: Research - peer-review > Journal article - Annual report year: 2013

Comparison of Three Methods for Extraction of Volatile Lipid Oxidation Products from Food Matrices for GC-MS Analysis Jacobsen, C., Yesiltas, B., Berner, L. & Thomsen, B. R. 2013

Publication: Research - peer-review > Conference abstract for conference - Annual report year: 2013

Comparison of two methods for extraction of volatiles from marine PL emulsions: Short Communication

Lu, H. F. S., Nielsen, N. S. & Jacobsen, C. 2013 In: European Journal of Lipid Science and Technology. 115, 2, p. 246-251

Publication: Research - peer-review > Journal article - Annual report year: 2013

Development of a broodstock diet to improve embryonic development competence in female European eel Anguilla anguilla

Støttrup, J., Tomkiewicz, J., Jacobsen, C., Krüger-Johnsen, M., Holst, L. K. & Lauesen, P. 2013

Publication: Research > Paper - Annual report year: 2014

Effect of emulsifier type, pH and iron on oxidative stability of 5% fish oil-in-water emulsions

Nielsen, N. S., Horn, A. F. & Jacobsen, C. 2013 In: European Journal of Lipid Science and Technology. 115, 8, p. 874-889

Publication: Research - peer-review > Journal article - Annual report year: 2013

Effect of α -lactalbumin and β -lactoglobulin on the oxidative stability of 10% fish oil-in-water emulsions depends on pH Horn, A. F., Wulff, T., Nielsen, N. S. & Jacobsen, C. 2013 In: Food Chemistry. 141, 1, p. 574-581

Publication: Research - peer-review > Journal article - Annual report year: 2013

Effects of organic plant oils and role of oxidation on nutrient utilization in juvenile rainbow trout (Oncorhynchus mykiss) Lund, I., Dalsgaard, A. J. T., Jacobsen, C., Hansen, J. H., Holm, J. & Jokumsen, A. 2013 In: Animal. 7, 3, p. 394-403

Publication: Research - peer-review > Journal article - Annual report year: 2012

Forage fish quality: seasonal lipid dynamics of herring (Clupea harengus L.) and sprat (Sprattus sprattus L.) in the Baltic Sea

Røjbek, M., Tomkiewicz, J., Jacobsen, C. & Støttrup, J. 2013 In: I C E S Journal of Marine Science. 71, 1, p. 56-71 Publication: Research - peer-review > Journal article - Annual report year: 2013

Homogenization Pressure and Temperature Affect Protein Partitioning and Oxidative Stability of Emulsions

Horn, A. F., Barouh, N., Nielsen, N. S., Baron, C. P. & Jacobsen, C. 2013 In: Journal of the American Oil Chemists' Society. 90, 10, p. 1541-1550

Publication: Research - peer-review > Journal article - Annual report year: 2013

Impact of endogenous canola phenolics on the oxidative stability of oil-in-water emulsions

Sørensen, A-D. M., Friel, J., Winkler-Moser, J. K., Jacobsen, C., Huidrom, D., Reddy, N. & Thiyam-Holländer, U. 2013 In: European Journal of Lipid Science and Technology. 115, 5, p. 501-512

Publication: Research - peer-review > Journal article - Annual report year: 2013

Impact of primary amine group from aminophospholipids and amino acids on marine phospholipids stability: Non-enzymatic browning and lipid oxidation

Lu, H. F. S., Nielsen, N. S., Baron, C. P., Diehl, B. W. K. & Jacobsen, C. 2013 In: Food Chemistry. 141, 2, p. 879–888 Publication: Research - peer-review > Journal article - Annual report year: 2013

Investigation of oxidative degradation and non-enzymatic browning reactions in krill and fish oils

Thomsen, B. R., Haugsgjerd, B. O., Griinari, M., Lu, H. F. S., Bruheim, I., Vogt, G., Oterhals, Å. & Jacobsen, C. 2013 In: European Journal of Lipid Science and Technology. 115, 12, p. 1357-1366

Publication: Research - peer-review > Journal article - Annual report year: 2013

Methods to assess secondary volatile lipid oxidation products in complex food matrices

Jacobsen, C. & Yesiltas, B. 2013

Publication: Research > Conference abstract for conference – Annual report year: 2013

Modification of essential fatty acid composition in broodstock of cultured European eel Anguilla L.

Støttrup, J., Jacobsen, C., Tomkiewicz, J. & Jarlbæk, H. 2013 In : Aquaculture Nutrition. 19, 2, p. 172-185

Publication: Research - peer-review > Journal article - Annual report year: 2012

Notat fra DTU Fødevareinstituttet: Harske fiskeolier - om produktion, kvalitet og anvendelse af fiskeolie

Jacobsen, C. 2013 Søborg: Danmarks Tekniske Universitet, Fødevareinstituttet. 4 p.

Publication: Research > Report - Annual report year: 2013

Organic plant ingredients in the diet of Rainbow trout (Oncorhynchus mykiss): Impact on fish muscle composition and oxidative stability

Baron, C. P., Svendsen, G. H., Lund, I., Jokumsen, A., Nielsen, H. H. & Jacobsen, C. 2013 In: European Journal of Lipid Science and Technology. 115, 12, p. 1367-1377

Publication: Research - peer-review > Journal article - Annual report year: 2013

Oxidative changes during ice storage of rainbow trout (Oncorhynchus mykiss) fed different ratios of marine and vegetable feed ingredients

Timm Heinrich, M., Eymard, S., Baron, C. P., Nielsen, H. H. & Jacobsen, C. 2013 In: Food Chemistry. 136, 3-4, p. 1220-1230

Publication: Research - peer-review > Journal article - Annual report year: 2013

Oxidative Stability and Sensory Attributes of Fermented Milk Product Fortified with Fish Oil and Marine Phospholipids

Lu, H. F. S., Thomsen, B. R., Hyldig, G., Green-Petersen, D., Nielsen, N. S., Baron, C. P. & Jacobsen, C. 2013 In: J A O C S. 90, 11, p. 1673-1683

Publication: Research - peer-review > Journal article - Annual report year: 2013

Oxidative stability of krill oil (Euphausia superba)

Lu, H. F. S., Jacobsen, C., Bruheim, I., Griinari, M., Oterhals, A., Haugsjerd, B. O. & Vogt, G. 2013

Publication: Research - peer-review > Conference abstract for conference - Annual report year: 2013

Phenolic compounds and in vitro antioxidant activity of selected species of seaweeds from Danish coast

Farvin, S. & Jacobsen, C. 2013 In: Food Chemistry. 138, 2-3, p. 1670-1681

Publication: Research - peer-review > Journal article - Annual report year: 2013

Phenolipids as antioxidants in omega-3 enriched food products

Sørensen, A-D. M., Aleman, M., Durand, E., Villeneuve, P., Bou, R., Guardiola, F. & Jacobsen, C. 2013

Publication: Research - peer-review > Conference abstract for conference - Annual report year: 2013

Physico-chemical properties, oxidative stability and non-enzymatic browning in marine phospholipid emulsions and their use in food applications

Lu, H. F. S., Jacobsen, C., Baron, C. P. & Nielsen, N. S. 2013 Søborg: DTU Food. 210 p.

Publication: Research > Ph.D. thesis - Annual report year: 2013

Physico-chemical properties, oxidative stability and non-enzymatic browning reactions in marine phospholipids emulsions and their applications for food enrichment

Lu, H. F. S., Nielsen, N. S., Baron, C. P. & Jacobsen, C. 2013

Publication: Research - peer-review > Conference abstract for conference - Annual report year: 2013

Recent advances in the field of omega-3-lipids

Jacobsen, C. 2013

Publication: Research > Conference abstract for conference – Annual report year: 2013

Retardation Of Lipid Oxidation In Fish Oil-Enriched Fish Pâté- Combination Effects

Nielsen, N. S. & Jacobsen, C. 2013 In: Journal of Food Biochemistry. 37, 1, p. 88-97

Publication: Research - peer-review > Journal article - Annual report year: 2013

Role of hydrophobicity on antioxidant activity in lipid dispersions, From the polar paradox to the cut-off theory

Laguerre, M., Sørensen, A-D. M., Bayrasy, C., Lecomte, J., Jacobsen, C., Decker, E. A. & Villeneuve, P. 2013 *Lipid Oxidation: Challenges in food systems.* Logan, A., Nienaber, U. & Pan, X. . S. (eds.). United States of America: AOCS Press. Ch. 8

Publication: Research - peer-review > Book chapter - Annual report year: 2013

Ultra structure of oil-in-water emulsions a comparison of different microscopy- and preparation methods

Jensen, L. H. S., Loussert, C., Humbel, B. M., Horn, A. F., Nielsen, N. S., Jacobsen, C. & Horsewell, A. 2013 Publication: Research - peer-review > Conference abstract for conference - Annual report year: 2014

Ultra structure of oil-in-water emulsions - a comparison of different microscopy- and preparation methods

Jensen, L. H. S., Loussert, C., Horn, A. F., Jacobsen, C., Nielsen, N. S., Humbel, B. M. & Horsewell, A. 2013 Publication: Research - peer-review > Poster - Annual report year: 2014

Activity of caffeic acid in different fish lipid matrices: A review

Medina, I., Undeland, I., Larsson, K., Storrø, I., Rustad, T., Jacobsen, C., Kristinová, V. & Gallardo, J. M. 2012 In: Food Chemistry. 131, 3, p. 730-740

Publication: Research - peer-review > Journal article - Annual report year: 2012

Addition of Fish Oil to Cream Cheese Affects Lipid Oxidation, Sensory Stability and Microstructure

Horn, A. F., Green-Petersen, D., Nielsen, N. S., Andersen, U., Hyldig, G., Jensen, L. H. S., Horsewell, A. & Jacobsen, C. 2012 In: Agriculture. 2, p. 359-375

Publication: Research - peer-review > Journal article - Annual report year: 2012

Antioxidant effect of seaweed extracts in food emulsion systems enriched with fish oil

Larsen, D. B., Farvin, S. & Jacobsen, C. 2012

Publication: Research - peer-review > Conference abstract for conference - Annual report year: 2012

Antioxidative effect of seaweed extracts in 5% fish oil-in-water emulsion

Farvin, S. & Jacobsen, C. 2012

Publication: Research - peer-review > Poster - Annual report year: 2012

Composition and health benefits of potato peels

Farvin, S., Surendraraj, A. & Jacobsen, C. 2012 *Potatoes: Production, Consumption and Health Benefits.* Caprara, C. (ed.). New York: Nova Science Publishers, Incorporated, Ch. 11, (Agriculture Issues and Policies).

Publication: Research - peer-review > Book chapter - Annual report year: 2012

Effect of Replacement of Marine Ingredients with Vegetable Oil and Protein on Oxidative Changes during Ice Storage of Rainbow Trout (Oncorhynchus mykiss)

Jacobsen, C., Eymard, S., Timm Heinrich, M., Svendsen, G. H., Nielsen, H. H. & Baron, C. P. 2012

Emulsification technique affects oxidative stability of fish oil-in-water emulsions

Horn, A. F., Nielsen, N. S., Jensen, L. H. S., Horsewell, A. & Jacobsen, C. 2012

Publication: Research - peer-review > Conference abstract for conference - Annual report year: 2012

Factors affecting the oxidative stability of omega-3 emulsions prepared with milk proteins

Horn, A. F., Nielsen, N. S. & Jacobsen, C. 2012

Publication: Research - peer-review > Conference abstract for conference - Annual report year: 2012

Factors Influencing the Effect of Milkbased Emulsifiers on Lipid Oxidation in Omega-3 Emulsions

Horn, A. F., Szabo, P., Jacobsen, C. & Nielsen, N. S. 2012 Kgs. Lyngby: Technical University of Denmark. 267 p.

Publication: Research > Ph.D. thesis - Annual report year: 2012

Food enrichment with marine phospholipid emulsions

Lu, H. F. S., Nielsen, N. S., Baron, C. P. & Jacobsen, C. 2012

Publication: Research - peer-review > Conference abstract for conference - Annual report year: 2012

Individual whey protein components influence lipid oxidation dependent on pH

Horn, A. F., Nielsen, N. S. & Jacobsen, C. 2012

Publication: Research - peer-review > Poster - Annual report year: 2012

Investigation of lipid oxidation and non-enzymatic browning reactions in marine PL emulsions

Lu, H. F. S., Nielsen, N. S., Baron, C. P., Bernd, D. & Jacobsen, C. 2012

Publication: Research - peer-review > Conference abstract for conference - Annual report year: 2012

Iron-mediated lipid oxidation in 70% fish oil-in-ater emulsions: effect of emulsifier type and pH

Horn, A. F., Nielsen, N. S. & Jacobsen, C. 2012 In: International Journal of Food Science & Technology Online. 47, 5, p. 1097-1108

Publication: Research - peer-review > Journal article - Annual report year: 2012

Is Solid Phase Microextraction (SPME) an appropriate method for extraction of volatile oxidation products from complex food systems.

Jacobsen, C., Horn, A. F., Lu, H. F. S. & Berner, L. 2012

Publication: Research - peer-review > Conference abstract for conference - Annual report year: 2012

Linking lipid dynamics with the reproductive cycle in Baltic cod Gadus morhua

Røjbek, M., Jacobsen, C., Tomkiewicz, J. & Støttrup, J. 2012 In: Marine Ecology Progress Series. 471, p. 215-234 Publication: Research - peer-review > Journal article - Annual report year: 2012

Lipid dynamics of herring (Clupea harengus L.) and sprat (Sprattus sprattus) as major prey species in the Baltic Sea Røjbek, M., Tomkiewicz, J., Jacobsen, C. & Støttrup, J. 2012

Publication: Research > Conference abstract for conference – Annual report year: 2013

Lipid oxidation in fish oil enriched oil-in-water emulsions and cream cheese with pre-emulsified fish oil is affected differently by the emulsifier used

Horn, A. F., Nielsen, N. S., Andersen, U. & Jacobsen, C. 2012

Publication: Research - peer-review > Conference abstract for conference - Annual report year: 2012

Lipophilization of dihydrocaffeic acid affects its antioxidative properties in fish-oil-enriched emulsions

Sørensen, A-D. M., Nielsen, N. S., Yang, Z., Xu, X. & Jacobsen, C. 2012 In: European Journal of Lipid Science and Technology. 114, 2, p. 134-145

Publication: Research - peer-review > Journal article - Annual report year: 2012

New natural antioxidants for protecting omega-3 rich products.

Farvin, S. & Jacobsen, C. 2012 In: Lipid Technology. 24, 3, p. 59-62

Oxidative degradation and non-enzymatic browning due to the interaction between oxidised lipids and primary amine groups in different marine PL emulsions

Lu, H. F. S., Nielsen, N. S., Baron, C. P. & Jacobsen, C. 2012 In: Food Chemistry. 135, p. 2887–2896 Publication: Research - peer-review > Journal article – Annual report year: 2012

Oxidative Stability of Dispersions Prepared from Purified Marine Phospholipid and the Role of α-Tocopherol

Lu, H. F. S., Nielsen, N. S., Baron, C. P., Diehl, B. W. K. & Jacobsen, C. 2012 In: Journal of Agricultural and Food Chemistry. 60, 50, p. 12388–12396 9 p.

Publication: Research - peer-review > Journal article - Annual report year: 2012

Phenolipids as antioxidants in emulsified systems

Sørensen, A-D. M., Bayrasy, C., Laguerre, M., Lecomte, J., Villenenve, P. & Jacobsen, C. 2012

Publication: Research - peer-review > Conference abstract for conference - Annual report year: 2012

Phenolipids as antioxidants in emulsified systems and the effect of alkyl chain length

Sørensen, A-D. M., Bayrasy, C., Laguerre, M., Lecomte, J., Villeneuve, P. & Jacobsen, C. 2012

Publication: Research - peer-review > Conference abstract for conference - Annual report year: 2012

Physico-chemical Properties of Marine Phospholipid Emulsions

Lu, H. F. S., Nielsen, N. S., Baron, C. P., Jensen, L. H. S. & Jacobsen, C. 2012 In: J A O C S. 89, 11, p. 2011-2024 Publication: Research - peer-review > Journal article - Annual report year: 2012

Potato peel extract as a natural antioxidant in chilled storage of minced horse mackerel (Trachurus trachurus): Effect on lipid and protein oxidation

Farvin, S., Grejsen, H. D. & Jacobsen, C. 2012 In: Food Chemistry. 131, 3, p. 843-851

Publication: Research - peer-review > Journal article - Annual report year: 2012

Reproduction of European Eel in Aquaculture (REEL): Consolidation and new production methods

Tomkiewicz, J., Tybjerg, L., Støttrup, J., McEvoy, F., Ravn, P., Sørensen, S. R., Lauesen, P., Graver, C., Munk, P., Holst, L. K., Vestbö, B., Svalastoga, E., Jacobsen, C., Holst, B., Steenfeldt, S. J., Buelund, L., Hornum, T. & Kofoed, T. 2012 Charlottenlund: DTU Aqua. Institut for Akvatiske Ressourcer. 47 p. (DTU Aqua-rapport; No. 249-2012).

Publication: Research > Report – Annual report year: 2012

Reproduction of European eel: towards a self-sustained aquaculture (PRO-EEL)

Tomkiewicz, J., Støttrup, J., Sørensen, S. R., Lauesen, P., Munk, P., Jacobsen, C., Kaushik, S., Corraze, G., Tveiten, H., Asturiano, J. F., Pérez, L., McEvoy, F., Graver, C., Krüger-Johnsen, M., Dufour, S., Lafont, A. G., Kjørsvik, E., van Delsen, B. & Holst, L. K. 2012

Publication: Research > Conference abstract for conference – Annual report year: 2012

Sensory and quality properties of fresh, frozen and packaged fish

Hyldig, G., Nielsen, J., Jacobsen, C. & Nielsen, H. H. 2012 Advances in meat, poultry and seafood packaging. Kerry, J. P. (ed.). Woodhead Publishing, p. 154-170

Publication: Research - peer-review > Book chapter - Annual report year: 2012

Solid phase microextraction (SPME) for extraction of volatile oxidation products from complex food systems – Pros and cons

Jacobsen, C., Horn, A. F., Lu, H. F. S. & Berner, L. 2012

Publication: Research - peer-review > Conference abstract for conference - Annual report year: 2012

Stability and Stabilization of Omega-3 Oils as such and in Selected Foods

Jacobsen, C. 2012

System Development from Organic Solvents to Ionic Liquids for Synthesiz-ing Ascorbyl Esters with Conjugated Linoleic Acids

Yang, Z., Schultz, L., Guo, Z., Jacobsen, C. & Xu, X. 2012 In: The Open Biotechnology Journal. 6, p. 5-12 Publication: Research - peer-review > Journal article - Annual report year: 2012

The antioxidative effect of lipophilized rutin and dihydrocaffeic acid in fish oil enriched milk

Sørensen, A-D. M., Petersen, L. K., de Diego, S., Nielsen, N. S., Lue, B. M., Yang, Z., Xu, X. & Jacobsen, C. 2012 In: European Journal of Lipid Science and Technology. 114, 4, p. 434-445

Publication: Research - peer-review > Journal article - Annual report year: 2012

The choice of homogenisation equipment affects lipid oxidation in emulsions

Horn, A. F., Nielsen, N. S., Jensen, L. H. S., Horsewell, A. & Jacobsen, C. 2012 In: Food Chemistry. 134, 2, p. 803-810 Publication: Research - peer-review > Journal article - Annual report year: 2012

The effect of protein and lipid source in organic feed for (organic) rainbow trout on sensory quality

Green-Petersen, D., Hyldig, G., Jacobsen, C., Baron, C. P., Jokumsen, A., Lund, I. & Nielsen, H. H. 2012 Publication: Research > Poster – Annual report year: 2012

The structure of omega3 food emulsions

Jensen, L. H. S., Loussert, C., Horn, A. F., Jacobsen, C., Nielsen, N. S. & Horsewell, A. 2012

Publication: Research - peer-review > Conference abstract for conference - Annual report year: 2013

Antioxidant Activity of Fish Protein Hydrolysates in in vitro Assavs and in Oil-in-Water Emulsions.

Farvin, S., Andersen, L. L., Jacobsen, C., Nielsen, H. H. & Jessen, F. 2011

Publication: Research > Conference abstract for conference - Annual report year: 2011

Cryo-FIB SEM for Characterization of the Structure of Fish Oil Emulsions

Jensen, L. H. S., Horn, A. F., Jacobsen, C., Nielsen, N. S. & Horsewell, A. 2011 MC 2011 Kiel: Microscopy Conference 2011. DGE – German Society for Electron Microscopy, p. M7-P633

Publication: Research - peer-review > Conference abstract in proceedings - Annual report year: 2011

Cryo-FIB SEM for Characterization of the Structure of Fish Oil Emulsions

Jensen, L. H. S., Horn, A. F., Jacobsen, C., Nielsen, N. S. & Horsewell, A. 2011

Publication: Research - peer-review > Poster - Annual report year: 2011

Deodorization optimization of Camelina sativa oil: Oxidative and sensory studies

Hrastar, R., Cheong, L. Z., Xu, X., Jacobsen, C., Nielsen, N. S., Miller, R. L. & Košir, I. J. 2011 In: European Journal of Lipid Science and Technology. 113, 4, p. 513-521

Publication: Research - peer-review > Journal article - Annual report year: 2011

Emulsification technique affects oxidative stability of fish oil-in-water emulsion

Horn, A. F., Nielsen, N. S., Jensen, L. H. S., Horsewell, A. & Jacobsen, C. 2011

Publication: Research > Conference abstract for conference – Annual report year: 2011

Impact of Endogenous Phenolics in Canola Oil on the Oxidative Stability of Oil-in-Water Emulsions

Sørensen, A-D. M., Friel, J., Moser, J., Jacobsen, C. & Thiyam, U. 2011

Publication: Research > Conference abstract for conference – Annual report year: 2011

Lipid oxidation in omega-3 emulsions prepared with milk proteins

Horn, A. F., Nielsen, N. S., Andersen, U., Jensen, L. H. S., Horsewell, A. & Jacobsen, C. 2011

Publication: Research - peer-review > Conference abstract for conference - Annual report year: 2011

Moderate exercise of rainbow trout induces only minor differences in fatty acid profile, texture, white muscle fibres and proximate chemical composition of fillets

Rasmussen, R. S., Heinrich, M. T., Hyldig, G., Jacobsen, C. & Jokumsen, A. 2011 In: Aquaculture. 314, 1-4, p. 159-164 Publication: Research - peer-review > Journal article - Annual report year: 2011

Oxidative stability of 70% fish oil-in-water emulsions: Impact of emulsifiers and pH

Horn, A. F., Nielsen, N. S., Andersen, U., Jensen, L. H. S., Horsewell, A. & Jacobsen, C. 2011 In: European Journal of Lipid Science and Technology. 113, 10, p. 1243-1257

Publication: Research - peer-review > Journal article - Annual report year: 2011

Oxidative stability of marine phospholipids

Lu, H. F. S., Nielsen, N. S., Baron, C. P. & Jacobsen, C. 2011

Publication: Research > Conference abstract for conference - Annual report year: 2011

Oxidative Stability of Marine Phospholipids in the Liposomal Form and Their Applications

Lu, H. F. S., Nielsen, N. S., Timm-Heinrich, M. & Jacobsen, C. 2011 In: Lipids. 46, 1, p. 3-23

Publication: Research - peer-review > Journal article - Annual report year: 2011

Phenolics and Lipophilized Phenolics as Antioxidants in Fish Oil Enriched Emulsions,

Sørensen, A-D. M., Nielsen, N. S. & Jacobsen, C. 2011

Publication: Research > Conference abstract for conference – Annual report year: 2011

Prevention of lipid oxidation in omega-3 enriched oofds by antioxidants and the use of delivery systems.

Jacobsen, C. 2011

Publication: Research > Conference abstract for conference - Annual report year: 2011

Storage stability of marine phospholipids emulsions

Lu, H. F. S., Nielsen, N. S., Baron, C. P. & Jacobsen, C. 2011

Publication: Research > Conference abstract for conference - Annual report year: 2011

The effect of protein and lipid source in organic feed for (organic) rainbow trout on sensory quality

Hyldig, G., Green-Petersen, D., Jacobsen, C., Baron, C. P., Jokumsen, A., Lund, I. & Nielsen, H. H. 2011 WEFTA 2011 - Seafood for the Modern Consumer: Abstracts. Gothenburg: Chalmers tekniska högskola, 119 p.

Publication: Research > Conference abstract in proceedings – Annual report year: 2011

The effects of feed composition on the sensory quality of organic rainbow trout during ice storage

Green-Pedersen, D., Hyldig, G., Jacobsen, C., Baron, C. P. & Nielsen, H. 2011

Publication: Research > Conference abstract for conference - Annual report year: 2011

The efficacy of compounds with different polarities as antioxidant in emulsions with omega-3 lipids

Sørensen, A-D. M., Nielsen, N. S., Decker, E. A., Bruni Let, M., Xu, X. & Jacobsen, C. 2011 In: J A O C S. 88, 4, p. 489-502

Publication: Research - peer-review > Journal article - Annual report year: 2011

Vækst og kvalitet af motioneret regnbueørred

Rasmussen, R. S., Oksbjerg, N., Hyldig, G., Jacobsen, C., Jessen, F. & Nielsen, H. H. 2011 Charlottenlund: DTU Aqua. Institut for Akvatiske Ressourcer. 38 p. (DTU Aqua-rapport; No. 242-2011).

Publication: Research > Report – Annual report year: 2011

Antioxidant Activity of Potato Peel Extracts in a Fish-RapeseedOil Mixture and in Oil-in-Water Emulsions

Farvin, S., Nielsen, N. S. & Jacobsen, C. 2010 In: JAOCS. 87, 11, p. 1319-1332

Publication: Research - peer-review > Journal article - Annual report year: 2010

Antioxidant activity of yoghurt peptides: Part 2 - Characterisation of peptide fractions

Farvin, S., Baron, C., Nielsen, N. S., Otte, J. & Jacobsen, C. 2010 In: Food Chemistry. 123, 4, p. 1090-1097

Publication: Research - peer-review > Journal article - Annual report year: 2010

Antioxidant properties of modified rutin esters by DPPH, reducing power, iron chelation and human low density lipoprotein assays

Lue, B-M., Nielsen, N. S., Jacobsen, C., Hellgren, L., Guo, Z. & Xu, X. 2010 In: Food Chemistry. 123, 2, p. 221-230

Publication: Research - peer-review > Journal article - Annual report year: 2010

Assessment of Washing with Antioxidant on the Oxidative Stability of Fatty Fish Mince during Processing and Storage

Eymard, S., Jacobsen, C. & Baron, C. 2010 In: Journal of Agricultural and Food Chemistry. 58, 10, p. 6182-6189

Publication: Research - peer-review > Journal article - Annual report year: 2010

Challenges when developing omega-3 enriched foods

Jacobsen, C. 2010 In: Oléagineoux corps gras lipids. 17, 4, p. 251-258

Publication: Research > Journal article - Annual report year: 2010

Characterization of Emulsions of Fish Oil and Water by Cryo Scanning Electron Microscopy

Jensen, L. H. S., Horn, A. F., Jacobsen, C., Nielsen, N. S. & Horsewell, A. 2010

Publication: Research - peer-review > Conference abstract for conference - Annual report year: 2010

Chemical processes responsible for quality deterioration in fish

Jacobsen, C., Nielsen, H. H., Jørgensen, B. & Nielsen, J. 2010 *Chemical deterioration and physical instability of food and beverages*. Andersen, M. & Skibsted, L. H. (eds.). British Welding Research Association, Vol. Part 2, p. 439-465 824 p.

Publication: Research - peer-review > Book chapter - Annual report year: 2010

Effect of emulsifiers and physical structure on lipid oxidation in omega-3 emulsions

Horn, A. F., Nielsen, N. S. & Jacobsen, C. 2010

Publication: Research - peer-review > Conference abstract for conference - Annual report year: 2010

Effect of lipophilization of dihydrocaffeic acid on its antioxidative properties in fish oil enriched emulsion

Sørensen, A-D. M., de Diego, S., Petersen, L. K., Nielsen, N. S., Yang, Z., Xu, X. & Jacobsen, C. 2010

Publication: Research - peer-review > Conference abstract for conference - Annual report year: 2010

Enrichment of foods with omega-3 fatty acids: A multidisciplinary challenge

Jacobsen, C. 2010 The Annals of the New York Academy of Sciences. Blackwell Publishing Ltd, p. 141-150

Publication: Research - peer-review > Book chapter - Annual report year: 2010

Human milk fat substitute from butterfat: production by enzymatic interesterification and evaluation of oxidative stability

Sørensen, A-D. M., Xu, X., Zhang, L., Kristensen, J. B. & Jacobsen, C. 2010 In: J A O C S. 87, 2, p. 185-194

Publication: Research - peer-review > Journal article - Annual report year: 2010

Influence of lipids and fatty acid composition on Baltic cod (Gadus morhua L.) maturation and timing of spawning

Tomkiewicz, J., Støttrup, J., Jacobsen, C., Røjbek, M. & Köster, F. 2010

Publication: Research > Conference abstract for conference – Annual report year: 2010

Inhibition of haemoglobin-mediated lipid oxidation in washed cod muscle and cod protein isolates by Fucus vesiculosus extract and fraction

Wang, T., Jonsdottir, R., Kristinsson, H., Thorkelsson, G., Jacobsen, C., Hamaguchi, P. Y. & Olafsdottir, G. 2010 In: Food Chemistry. 123, 2, p. 321-330

Publication: Research - peer-review > Journal article - Annual report year: 2010

Lipophilized phenolics as antioxidants in fish oil enriched food systems

Sørensen, A-D. M., Nielsen, N. S. & Jacobsen, C. 2010

Publication: Research - peer-review > Conference abstract for conference - Annual report year: 2010

Oxidative stability of fish oil-enriched mayonnaise-based salads

Sørensen, A-D. M., Nielsen, N. S. & Jacobsen, C. 2010 In: European Journal of Lipid Science and Technology. 112, 4, p. 476-487

Publication: Research - peer-review > Journal article - Annual report year: 2010

Phenolic composition and in vitro antioxidant activities of selected species of seaweeds from Danish coast.

Farvin, S., Holdt, S. & Jacobsen, C. 2010

Publication: Research - peer-review > Conference abstract for conference - Annual report year: 2010

Seasonal lipid dynamics of sprat (Sprattus sprattus) and herring (Clupea harengus) in the Baltic Sea

Røjbek, M., Jacobsen, C., Tomkiewicz, J. & Støttrup, J. 2010

Publication: Research > Poster - Annual report year: 2010

The effect of farmed trout on cardiovascular risk markers in healthy men

Hallund, J., Madsen, B. O., Bügel, S. H., Jacobsen, C., Jakobsen, J., Krarup, H., Holm, J., Nielsen, H. H. & Lauritzen, L. 2010 In: British Journal of Nutrition. 104, p. 1528-1536

Publication: Research - peer-review > Journal article - Annual report year: 2010

The influence of emulsifier type on lipid oxidation in fish-oil-enriched light mayonnaise

Sørensen, A-D. M., Nielsen, N. S., Hyldig, G. & Jacobsen, C. 2010 In: European Journal of Lipid Science and Technology. 112, p. 1012-1023

Publication: Research - peer-review > Journal article - Annual report year: 2010

Additions of caffeic acid, ascorbyl palmitate or gamma-tocopherol to fish oil-enriched energy bars affect lipid oxidation differently

Horn, A. F., Nielsen, N. S. & Jacobsen, C. 2009 In: Food Chemistry. 112, 2, p. 412-420

Publication: Research - peer-review > Journal article - Annual report year: 2009

Antioxidant activities and phenolic content of some of the selected species of seaweeds from Danish coast

Farvin, S. & Jacobsen, C. 2009

Publication: Research > Conference abstract for conference – Annual report year: 2009

Antioxidant properties of modified rutin esters following lipase-catalyzed esterification

Lue, B-M., Jacobsen, C., Nielsen, N. S., Guo, Z. & Xu, X. 2009

Publication: Research > Conference abstract for conference – Annual report year: 2009

Antioxidant strategies to prevent lipid oxidation in omega-3 enriched food emulsions

Jacobsen, C., Nielsen, N. S., Sørensen, A-D. M., Timm Heinrich, M. & Bruni Let, M. 2009

Publication: Research > Conference abstract for conference - Annual report year: 2009

Application of omega-3 oils in foods and emulsified products

Jacobsen, C. 2009

Publication: Research > Conference abstract for conference - Annual report year: 2009

Can increased water velocities improve quality of farmed rainbow trout

Rasmussen, R. S., Timm Heinrich, M., Hyldig, G., Jacobsen, C. & Jokumsen, A. 2009

Publication: Research > Conference abstract for conference - Annual report year: 2009

Challenges when developing omega-3 enriched foods

Jacobsen, C. 2009

Publication: Research > Conference abstract for conference – Annual report year: 2009

Does feed composition affect oxidation of rainbow trout (Oncorhynchus mykiss) during frozen storage?

Baron, C., Hyldig, G. & Jacobsen, C. 2009 In: Journal of Agricultural and Food Chemistry. 57, 10, p. 4185-4194

Publication: Research - peer-review > Journal article - Annual report year: 2009

Effect of emulsifier type, iron and pH on the oxidative stability of 5% fish oil-in-water emulsions

Nielsen, N. S., Horn, A. F. & Jacobsen, C. 2009

Effect of fish oil concentration and emulsifier on lipid oxidation in fish oil enriched mayonnaise

Sørensen, A-D. M., Nielsen, N. S. & Jacobsen, C. 2009

Publication: Research > Conference abstract for conference - Annual report year: 2009

Effect of ingredients on oxidative stability of fish oil-enriched drinking yoghurt

Nielsen, N. S., Klein, A. & Jacobsen, C. 2009 In: European Journal of Lipid Science and Technology. 111, 4, p. 337-345

Publication: Research - peer-review > Journal article - Annual report year: 2009

Fødevarer beriget med fiskeolie: Stabilitet - ernæring - forbrugernes accept

Jacobsen, C. 2009 In: SeafoodCircle Faktablad. 3, p. 1

Publication: Communication > Journal article - Annual report year: 2009

Fødevarer med fiskeolier undervejs

Jørgensen, S. B. (ed.) & Jacobsen, C. 2009 In: FoodDTU Midt i Ugen. 83

Publication: Communication > Journal article - Annual report year: 2009

Foods enriched with fish oil: Stability - nutrition - consumer acceptance

Nielsen, N. S., Scholdere, J., Mu, H., Jacobsen, C., Affertsholt, T., Brønner, K. W. & Jacobsen, C. 2009

Publication: Research > Conference abstract for conference – Annual report year: 2009

Influence of feeding regimes on composition and oxidative stability of rainbow trout (Oncorhynchus mykiss)

Timm Heinrich, M., Jacobsen, C., Eymard, S. & Holm, J. 2009

Publication: Research > Conference abstract for conference - Annual report year: 2009

Influence of feeding regimes on fish composition and oxidative stability

Timm Heinrich, M., Jacobsen, C. & Eymard, S. 2009

Publication: Research > Conference abstract for conference - Annual report year: 2009

Lipid oxidation in fish oil enriched energy bars is affected by means of oil addition and addition of antioxidants

Nielsen, N. S., Horn, A. F. & Jacobsen, C. 2009

Publication: Research > Poster - Annual report year: 2009

Marifumc - Hvorfor er fisk så sundt?

Jacobsen, C. 2009 In: SeafoodCircle Faktablad 9. 9, p. 1

Publication: Communication > Journal article - Annual report year: 2009

Methods for reducing lipid oxidation in fish-oil-enriched energy bars

Nielsen, N. S. & Jacobsen, C. 2009 In: International Journal of Food Science and Technology. 44, 8, p. 1536-1546

Publication: Research - peer-review > Journal article - Annual report year: 2009

Optimization of fatty acid composition in the diet for female broodstock eels

Jacobsen, C., Tomkiewicz, J. & Støttrup, J. 2009

Publication: Research > Conference abstract for conference - Annual report year: 2009

Oxidation challenges in functional foods and nutraceuticals

Jacobsen, C. 2009

Publication: Research > Conference abstract for conference - Annual report year: 2009

Oxidation challenges in functional omega-3 oils and products there of: Preservation and protection techniques

Horn, A. F. & Jacobsen, C. 2009

Oxidation of lipid and protein in horse mackerel (Trachurus trachurus) mince and washed minces during processing and storage

Eymard, S., Baron, C. & Jacobsen, C. 2009 In: Food Chemistry. 114, 1, p. 57-65

Publication: Research - peer-review > Journal article - Annual report year: 2009

Oxidative stability of fish fillets depending on feeding regime

Timm Heinrich, M., Jacobsen, C., Hyldig, G. & Eymard, S. 2009

Publication: Research > Conference abstract for conference - Annual report year: 2009

Potato peel extract - A natural antioxidant for retarding lipid oxidation in bulk fish oil and oil in water emulsions

Farvin, S., Nielsen, N. S. & Jacobsen, C. 2009

Publication: Research > Conference abstract for conference - Annual report year: 2009

Preventing lipid oxidation in foods enriched with fish oil

Nielsen, N. S., Horn, A. F. & Jacobsen, C. 2009

Publication: Research - peer-review > Conference abstract for conference - Annual report year: 2009

Processing of marine lipids and factors affacting their quality when used for functional foods

Jacobsen, C., Rustad, T., Nielsen, N. S., Falch, E., Jansson, S. & Storr, I. 2009 *Marine functional food*. Luten, J. B. (ed.). Wageningen: Wageningen Academic Publishers, Vol. 2, p. 89-114 176 p.

Publication: Research - peer-review > Book chapter - Annual report year: 2009

Retaining nutritional and sensory quality of seafood products by antioxidant protection: Challenges and pitfalls

Jacobsen, C. 2009

Publication: Research > Conference abstract for conference - Annual report year: 2009

Seasonal lipid dynamics of herring and sprat in the Baltic Sea and possible implications for cod reproduction

Røjbek, M., Tomkiewicz, J., Støttrup, J., Jacobsen, C. & Köster, F. 2009

Publication: Research > Poster – Annual report year: 2009

Sensory impact of volatile oxidation products in omega-3 enriched foods and prevention of off-flavours

Jacobsen, C. 2009

Publication: Research > Conference abstract for conference – Annual report year: 2009

The effect of different fish feeds on the sensory quality in farmed trout after frozen storage

Hyldig, G. & Jacobsen, C. 2009

Publication: Research > Conference abstract for conference – Annual report year: 2009

The efficacy of compounds with different polarities as antioxidant in fish oil enriched emulsions

Sørensen, A-D. M., Nielsen, N. S., Decker, E. A. & Jacobsen, C. 2009

Publication: Research > Conference abstract for conference - Annual report year: 2009

The protective effect of emulsifiers on 70% oil-in-water emulsions, to be used as delivery system of omega-3s to food

Horn, A. F., Nielsen, N. S. & Jacobsen, C. 2009

Publication: Research > Poster - Annual report year: 2009

A molecular approach to pre-harvest impact on post-harvest quality of trout

Nielsen, M. E., Hyldig, G., Nielsen, H. H., Jessen, F., Jacobsen, C. & Ingerslev, H-C. 2008

Publication: Research > Paper - Annual report year: 2008

Antioxidant activity of potato peel extracts in bulk fish oil and oil in water emulsions

Farvin, S., Nielsen, N. S. & Jacobsen, C. 2008

Antioxidant strategies for preventing oxidative flavour deterioration of foods enriched with n-3 polyunsaturated lipids: a comparative evaluation

Jacobsen, C., Let, M. B., Nielsen, N. S. & Meyer, A. S. 2008 In: Trends in Food Science & Technology. 19, 2, p. 76-93 Publication: Research - peer-review > Journal article - Annual report year: 2008

Application of structured lipids in food

Jacobsen, C., Timm Heinrich, M. & Nielsen, N. S. 2008

Publication: Research > Poster - Annual report year: 2008

Applications of natural antioxidants in omega-3-enriched foods

Jacobsen, C., Bruni Let, M., Sørensen, A-D. M., Horn, A. F., Timm Heinrich, M. & Nielsen, N. S. 2008 In: Electronic Journal of Environmental, Agricultural and Food Chemistry. 7, 8, p. 3288-3295

Publication: Research - peer-review > Journal article - Annual report year: 2008

Emulsifier type, metal chelation and pH affect oxidative stability of n-3-enriched emulsions

Haahr, A-M. & Jacobsen, C. 2008 In: European Journal of Lipid Science and Technology. 110, 10, p. 949-961

Publication: Research - peer-review > Journal article - Annual report year: 2008

Enrichment of foods with omega-3 fatty acids

Jacobsen, C. 2008

Publication: Research > Conference abstract for conference - Annual report year: 2008

Healthy polyunsaturated fatty acids (PUFAs) for food enrichment

Jacobsen, C. & Bruni Let, M. 2008 Food fortification and supplementation: Technological, safety and regulatory aspects. Ottaway, P. B. (ed.). Boca Raton: C R C Press LLC, p. 60-87

Publication: Research - peer-review > Book chapter - Annual report year: 2008

Impact of emulsifiers on the oxidative stability of 70% fish oil-in-water emulsions

Horn, A. F., Nielsen, N. S. & Jacobsen, C. 2008

Publication: Research > Poster - Annual report year: 2008

Interactions between iron, phenolic compounds, emulsifiers, and pH in omega-3-enriched oil-in-water emulsions

Sørensen, A-D. M., Haahr, A-M., Becker, E. M., Skibsted, L. H., Bergenstahl, B., Nilsson, L. & Jacobsen, C. 2008 In: Journal of Agricultural and Food Chemistry. 56, 5, p. 1740-1750

Publication: Research - peer-review > Journal article - Annual report year: 2008

Interactions between phenolic compounds, emulsifiers and Ph in Omega-3 enriched emulsions

Jacobsen, C., Sørensen, A-D. M., Becker, E. M., Skibsted, L. H. & Bergenståhl, B. 2008

Publication: Research > Poster - Annual report year: 2008

Investigation of dairy components responsible for resistance of omega-3 enriched yoghurt to lipid oxidation

Farvin, S., Baron, C., Nielsen, N. S. & Jacobsen, C. 2008

Publication: Research > Poster – Annual report year: 2008

Investigation of diary components responsible for resistance of omega-3 enriched yoghurt to lipid oxidation

Farvin, S., Baron, C., Nielsen, N. S. & Jacobsen, C. 2008

Publication: Research > Conference abstract for conference – Annual report year: 2008

Measuring oxidative stability in functional lipids

Jacobsen, C. 2008 Handbook of lipid enzymology. Xu, X. (ed.). 1 ed. Boca Raton: C R C Press LLC, 700 p.

Publication: Research - peer-review > Book chapter - Annual report year: 2008

Omega-3s in food emulsions: overview and case studies

Jacobsen, C. 2008 In: Agro Food Industry Hi-Tech. 19, 5, p. 9-13

Publication: Research - peer-review > Journal article - Annual report year: 2008

Oxidative stability of mayonnaise based salads enriched with fish oil

Sørensen, A-D. M., Nielsen, N. S. & Jacobsen, C. 2008

Publication: Research > Poster - Annual report year: 2008

Preventing lipid oxidation in seafood

Jacobsen, C., Undeland, I., Storrø, I., Rustad, T., Hedges, N. & Medina, I. 2008 *Improving seafood products for the consumer*. Børresen, T. (ed.). Cambridge: British Welding Research Association, p. 426-460

Publication: Research - peer-review > Book chapter - Annual report year: 2008

Protein and lipid oxidation in frozen rainbow trout

Baron, C., Kjærsgård, I. V. H., Jessen, F. & Jacobsen, C. 2008

Publication: Research > Poster - Annual report year: 2008

Sådan ændres produktionsål til moderfisk

Jacobsen, C., Tomkiewicz, J. & Støttrup, J. 2008

Publication: Research > Conference abstract for conference – Annual report year: 2008

Successful production of viable eggs and larvae of european eel (anguilla anguilla)

Tomkiewicz, J., Munk, P., Støttrup, J., Jacobsen, C., Lauesen, P. & Graver, C. M. 2008

Publication: Research > Conference abstract for conference – Annual report year: 2008

Production of oxidatively stable fish oil enriched food emulsions

Bruni Let, M., Meyer, A. S. & Jacobsen, C. May 2007 DIFRES, DTU. 83 p.

Publication: Research > Ph.D. thesis - Annual report year: 2007

Application of antioxidants during short-path distillation of structured lipids

Timm-Heinrich, M., Xu, X., Nielsen, N. S. & Jacobsen, C. 2007 In: Journal of Food Lipids. 14, 3, p. 244-262 Publication: Research - peer-review > Journal article - Annual report year: 2007

Ascorbyl palmitate, gamma-tocopherol, and EDTA affect lipid oxidation in fish oil enriched salad dressing differently

Let, M. B., Jacobsen, C. & Meyer, A. S. 2007 In: Journal of Agricultural and Food Chemistry. 55, 6, p. 2369-2375 Publication: Research - peer-review > Journal article - Annual report year: 2007

Comparison of methods to reduce dioxin and polychlorinated biphenyls contents in fishmeal: Extraction and enzymatic treatments

Baron, C., Børresen, T. & Jacobsen, C. 2007 In: Journal of Agricultural and Food Chemistry. 55, 4, p. 1620-1626 Publication: Research - peer-review > Journal article - Annual report year: 2007

Comparison of oxidative stability in omega-3 PUFA enriched dairy products

Jacobsen, C., Klein, A., Horn, A. F., Bruni Let, M. & Nielsen, N. S. 2007

Publication: Research > Conference abstract for conference - Annual report year: 2007

Enzymatic structural modification of antioxidants for omega-3 oil protection

Bruni Let, M., Schultz, L., Zhang, H., Guo, Z., Jacobsen, C. & Xu, X. 2007

Publication: Research > Conference abstract for conference - Annual report year: 2007

Enzymatic structural modification of antioxidants for omega-3 oil protection

Bruni Let, M., Schultz, L., Zhang, H., Guo, L., Jacobsen, C. & Xu, X. 2007

Publication: Research > Conference abstract for conference – Annual report year: 2007

Evaluation of lipid and protein oxidation during processing and storage of fatty fish mince

Eymard, S., Baron, C. & Jacobsen, C. 2007

Evaluation of lipid and protein oxidation during processing and storage of fatty fish mince

Eymard, S., Baron, C. & Jacobsen, C. 2007

Publication: Research > Conference abstract for conference - Annual report year: 2007

Fatty acid composition of herring (Clupea harengus L.): influence of time and place of catch on n-3 PUFA content

Jensen, K. N., Jacobsen, C. & Nielsen, H. H. 2007 In: Journal of the Science of Food and Agriculture. 87, 4, p. 710-718 Publication: Research - peer-review > Journal article - Annual report year: 2007

Flere omega 3-fedtsyrer til forbrugerne

Jørgensen, S. B. (ed.) & Jacobsen, C. 2007 In: FoodDTU Midt i Ugen.

Publication: Communication > Journal article - Annual report year: 2007

Healthy, nutritious and tasty fish for the future

Nielsen, H. H., Rentsch, M. L., Jessen, F., Hyldig, G., Jacobsen, C., Eymard, S., Hallund, J., Lauritzen, L., Bügel, S., Lametsch, R. & Holm, J. 2007 *23rd NJF-congress, Copenhagen, 27th-29 June.*

Publication: Research > Conference abstract in proceedings – Annual report year: 2007

Homogenization conditions affect the oxidative stability of fish oil enriched milk emulsions: Lipid oxidation

Bruni Let, M., Jacobsen, C., Sørensen, A-D. M. & Meyer, A. S. 2007 In: Journal of Agricultural and Food Chemistry. 55, 5, p. 1773-1780

Publication: Research - peer-review > Journal article - Annual report year: 2007

Homogenization conditions affect the oxidative stability of fish oil enriched milk emulsions: Oxidation linked to changes in protein composition at the oil-water interface

Sørensen, A-D. M., Baron, C., Bruni Let, M., Brüggemann, D. A., Pedersen, L. R. L. & Jacobsen, C. 2007 In: Journal of Agricultural and Food Chemistry. 55, 5, p. 1781-1789

Publication: Research - peer-review > Journal article - Annual report year: 2007

Lipid oxidation in milk, yoghurt, and salad dressing enriched with neat fish oil or pre-emulsified fish oil

Bruni Let, M., Jacobsen, C. & Meyer, A. S. 2007 In: Journal of Agricultural and Food Chemistry. 55, 19, p. 7802-7809 Publication: Research - peer-review > Journal article - Annual report year: 2007

Multivariate analysis of 2-DE protein patterns - Practical approaches

Jacobsen, C., Jacobsen, S., Grove, H., Jensen, K. N., Sørensen, H. A., Jessen, F., Hollung, K., Uhlen, A. K., Jørgensen, B., Færgestad, E. M. & Søndergaard, I. 2007 In: Electrophoresis. 28, 8, p. 1289-1299

Publication: Research - peer-review > Journal article - Annual report year: 2007

Optimisation of oxidative stability of omega-3 enriched milk

Jacobsen, C., Bruni Let, M. & Meyer, A. S. 2007

Publication: Research > Conference abstract for conference - Annual report year: 2007

Optimization of oxidative stability of omega-3 enriched foods

Jacobsen, C. & Nielsen, N. S. 2007 Long-chain omega-3 specialty oils. Breivik, H. (ed.). Dundee: Oily Press, p. 197-217 Publication: Research - peer-review > Book chapter - Annual report year: 2007

Oxidative stability in a variety of omega-3 PUFA enriched products

Nielsen, N. S. & Jacobsen, C. 2007

Publication: Research > Conference abstract for conference - Annual report year: 2007

Oxidative stability of fish oil enriched drinking yoghurt

Nielsen, N. S., Debnath, D. & Jacobsen, C. 2007 In: International Dairy Journal. 17, 12, p. 1478-1485

Publication: Research - peer-review > Journal article - Annual report year: 2007

Oxidative stability of mayonnaise based salads enriched with fish oil

Sørensen, A-D. M., Nielsen, N. S. & Jacobsen, C. 2007

Publication: Research > Poster - Annual report year: 2007

Oxidative stability of mayonnaise based salads enriched with fish oil

Sørensen, A-D. M., Nielsen, N. S. & Jacobsen, C. 2007

Publication: Research > Poster - Annual report year: 2007

Protection of lipid and protein fractions during processing and storage of horse mackerel paste

Eymard, S., Baron, C. & Jacobsen, C. 2007

Publication: Research > Conference abstract for conference - Annual report year: 2007

Protein and lipid oxidation during frozen storage of rainbow trout (Oncorhynchus mykiss)

Baron, C., Kjærsgård, I. V. H., Jessen, F. & Jacobsen, C. 2007 In: Journal of Agricultural and Food Chemistry. 55, 20, p. 8118-8125

Publication: Research - peer-review > Journal article - Annual report year: 2007

Protein and lipid oxidation in frozen rainbow trout

Baron, C., Kjærsgård, I. V. H., Jessen, F. & Jacobsen, C. 2007 European Congress of Chemical Engineering (ECCE-6), Copenhagen, 16-20 September 2007.

Publication: Research > Conference abstract in proceedings - Annual report year: 2007

Successful production of European eel larvae

Tomkiewicz, J., Støttrup, J., Munk, P., Lauesen, P., Graver, C., Jarlbæk, H., Jacobsen, C., McEvoy, F. & Svalastoga, E. L. 2007

Publication: Research > Conference abstract for conference - Annual report year: 2007

The effect of different feeds on the sensory quality in farmed trout after frozen storage

Hyldig, G. & Jacobsen, C. 2007 23rd NJF-congress, Copenhagen, 27th-29 June.

Publication: Research > Conference abstract in proceedings – Annual report year: 2007

Production and Nutritional Aspectsof Butter Enriched with Diacylglycerols

Kristensen, J. B., Xu, X., Mu, H. & Jacobsen, C. Mar 2006 Kgs. Lyngby, Denmark: Technical University of Denmark (DTU)

Publication: Research > Ph.D. thesis - Annual report year: 2006

Application of functional lipids in foods

Jacobsen, C., Timm Heinrich, M. & Nielsen, N. S. 2006 *Nutraceutical and speciality lipids and their co-products*. Shahidi, F. (ed.). Boca Raton: CRC Press, p. 341-364

Publication: Research - peer-review > Book chapter - Annual report year: 2006

Deodorization of lipase-interesterified butterfat and rapeseed oil blends in a pilot deodorizer

Rønne, T. H., Jacobsen, C. & Xu, X. 2006 In: European Journal of Lipid Science and Technology. 108, 3, p. 182-192 Publication: Research - peer-review > Journal article - Annual report year: 2006

Effect of homogenisations condition on the composition on the fat globule membrane and oxidative stability in omega-3 enriched milk

Sørensen, A-D. M., Baron, C., Bruni Let, M. & Jacobsen, C. 2006 AOCS annual meeting, St. Louis, Ohio, Missouri, May 2006..

Publication: Research > Conference abstract in proceedings – Annual report year: 2006

Evaluation of oxidative stability during processing and storage of fatty fish mince

Eymard, S., Baron, C. & Jacobsen, C. 2006 4 th Euro Fed Lipid Congress, Madrid, Spain, Oktober 2006.

Publication: Research > Conference abstract in proceedings – Annual report year: 2006

Interaction between antioxidants, emulsifiers and pH in omega-3 enriched oil-in-water emulsions

Sørensen, A-D. M., Haahr, A-M., Berner, L. & Jacobsen, C. 2006 AOCS annual meeting, St. Louis, Ohio, Missouri, May 2006 and: 2nd meeting on developing functional foods with omega-3 fatty acids, Helsingør, Denmark, June 2006.

Publication: Research > Conference abstract in proceedings – Annual report year: 2006

Oxidation of sarcoplasmic proteins from rainbow trout fed different diets

Baron, C., Pham, K. A. & Jacobsen, C. 2006 IFT annual meeting, Orlando, USA, June 2006.

Publication: Research > Conference abstract in proceedings – Annual report year: 2006

Oxidative stability of diacylglycerol oil and butter blends containing diacylglycerols

Kristensen, J. B., Nielsen, N. S., Jacobsen, C. & Mu, H. 2006 In: European Journal of Lipid Science and Technology. 108, 4, p. 336-350

Publication: Research - peer-review > Journal article - Annual report year: 2006

Oxidative stability of fish oil enriched yoghurts

Jacobsen, C., Bruni Let, M., Andersen, G. & Meyer, A. S. 2006 Seafood research from fish to dish, quality, safety and processing of wild and farmed fish. Luten, J. B., Jacobsen, C., Bekaert, K., Sæbø, A. & Oehlenschläger, J. (eds.). Wageningen: Wageningen Academic Publishers, p. 71-86

Publication: Research - peer-review > Book chapter - Annual report year: 2006

Preventing oxidation in milk enriched with omega-3 fatty acids

Bruni Let, M., Jacobsen, C. & Meyer, A. S. 2006 In: Lipid Technology. 18, 4, p. 77-81

Publication: Research > Journal article - Annual report year: 2006

Production and oxidative stability of a human milk fat substitute produced from lard by enzyme technology in a pilot packed-bed reactor

Nielsen, N. S., Yang, T., Xu, X. & Jacobsen, C. 2006 In: Food Chemistry. 94, 1, p. 53-60

Publication: Research - peer-review > Journal article - Annual report year: 2006

Protein and lipid oxidation during frozen storage of rainbow trout

Baron, C., Kjærsgård, I. V. H., Jessen, F. & Jacobsen, C. 2006

Publication: Research > Poster - Annual report year: 2006

Seafood research from fish to dish: Quality, safety and processing of wild and farmed fish

Luten, J. (ed.), Jacobsen, C. (ed.), Bakaert, K. (ed.) & Sæbø, A. (ed.) 2006 Wageningen: Wageningen Academic Publishers. 568 p.

Publication: Research - peer-review > Book - Annual report year: 2006

Storage stability of margarines produced from enzymatically interesterified fats compared to those prepared by conventional methods - Chemical properties

Zhang, H., Jacobsen, C., Pedersen, L. S., Christensen, M. W. & Adler-Nissen, J. 2006 In: European Journal of Lipid Science and Technology. 108, 3, p. 227-238

Publication: Research - peer-review > Journal article - Annual report year: 2006

Using polyunsaturated fatty acids (PUFA) as functional ingredients

Jacobsen, C. & Bruni Let, M. 2006 *Improving the fat contents of food.* Williams, C. M. & Buttriss, J. (eds.). Cambridge: Woodhead Publishing, p. 341-364

Publication: Research - peer-review > Book chapter - Annual report year: 2006

Effect of structured lipids based on fish oil on the growth and fatty acid composition in Rainbow Trout (Oncorhynchus mykiss)

Nielsen, N. S., Gøttsche, J., Holm, J., Xu, X., Mu, H. & Jacobsen, C. 2005 In : Aquaculture. 250, 1-2, p. 411-423 Publication: Research - peer-review > Journal article - Annual report year: 2005

Effects of antioxidants on the lipase-catalyzed acidolysis during production of structured lipids

Xu, X., Timm Heinrich, M., Nielsen, N. S., Porsgaard, T. & Jacobsen, C. 2005 In: European Journal of Lipid Science and Technology. 107, 7-8, p. 464-468

Enzymatic interesterification of butterfat with rapeseed oil in a continuous packed bed reactor

Rønne, T. H., Yang, T., Mu, H., Jacobsen, C. & Xu, X. 2005 In: Journal of Agricultural and Food Chemistry. 53, 14, p. 5617-5624

Publication: Research - peer-review > Journal article - Annual report year: 2005

Protection against oxidation of fish-oil-enriched milk emulsions through addition of rapeseed oil or antioxidants

Bruni Let, M., Jacobsen, C., Pham, K. A. & Meyer, A. S. 2005 In: Journal of Agricultural and Food Chemistry. 53, 13, p. 5429-5437

Publication: Research - peer-review > Journal article - Annual report year: 2005

Sensory stability and oxidation of fish oil enriched milk is affected by milk storage temperature and oil quality

Bruni Let, M., Jacobsen, C. & Meyer, A. S. 2005 In: International Dairy Journal. 15, 2, p. 173-182

Publication: Research - peer-review > Journal article - Annual report year: 2005

Storage stability study for margarines produced by enzymatically interesterified fats compared to the margarines by the conventional methods I. Physical properties

Zhang, H., Jacobsen, C. & Adler-Nissen, J. 2005 In: European Journal of Lipid Science and Technology. 107, 7-8, p. 530-539

Publication: Research - peer-review > Journal article - Annual report year: 2005

UV treatment of fishmeal: A method to remove dioxins?

Baron, C., Børresen, T. & Jacobsen, C. 2005 In: Journal of Agricultural and Food Chemistry. 53, 18, p. 7091-7097 Publication: Research - peer-review > Journal article - Annual report year: 2005

Apparatus for emulsion production in small scale and under controlled shear conditions

Adler-Nissen, J., Mason, S. & Jacobsen, C. 2004 In: Food and Bioproducts Processing. 82, p. 311-319 Publication: Research - peer-review > Journal article - Annual report year: 2004

Chemical and olfactometric characterization of volatile flavor compounds in a fish oil enriched milk emulsion

Venkateshwarlu Venkat, G., Bruni Let, M., Meyer, A. S. & Jacobsen, C. 2004 In: Journal of Agricultural and Food Chemistry. 52, 2, p. 311-317

Publication: Research - peer-review > Journal article - Annual report year: 2004

Developing polyunsaturated fatty acids as functional ingredients

Jacobsen, C. 2004 Functional foods, diet, cardiovascular disease and diabetes. Arnoldi, A. (ed.). Cambridge: Woodhead, p. 307-332

Publication: Research - peer-review > Book chapter - Annual report year: 2004

Effects of fish oil type, lipid antioxidants and presence of rapeseed oil on oxidative flavour stability of fish oil enriched milk Bruni Let, M., Jacobsen, C. & Meyer, A. S. 2004 In: European Journal of Lipid Science and Technology. 106, 3, p. 170-182

Publication: Research - peer-review > Journal article - Annual report year: 2004

Effects of lactoferrin, phytic acid, and EDTA on oxidation in two food emulsions enriched with long-chain polyunsaturated fatty acids

Nielsen, N. S., Petersen, A., Meyer, A. S., Timm Heinrich, M. & Jacobsen, C. 2004 In: Journal of Agricultural and Food Chemistry. 52, 25, p. 7690-7699

Publication: Research - peer-review > Journal article - Annual report year: 2004

Forbedrede smørbare fedtprodukter via enzymatisk modifikation af smørfedt

Xu, X., Jacobsen, C., Mu, H. & Adler-Nissen, J. 2004 In: Mælkeritidende. 17, p. 408-411

Publication: Research > Journal article - Annual report year: 2004

Modeling the sensory impact of defined combinations of volatile lipid oxidation products on fishy and metallic off-flavors Venkateshwarlu Venkat, G., Bruni Let, M., Meyer, A. S. & Jacobsen, C. 2004 In: Journal of Agricultural and Food Chemistry. 52, 6, p. 1635-1641

Publication: Research - peer-review > Journal article - Annual report year: 2004

Oxidative stability during storage of structured lipids produced from fish oil and caprylic acid

Nielsen, N. S., Xu, X., Timm Heinrich, M. & Jacobsen, C. 2004 In: Journal of the American Oil Chemists Society. 81, 4, p. 375-384

Publication: Research - peer-review > Journal article - Annual report year: 2004

Oxidative stability of mayonnaise and milk drink produced with structured lipids based on fish oil and caprylic acid

Timm Heinrich, M., Xu, X., Nielsen, N. S. & Jacobsen, C. 2004 In: European Food Research and Technology. 219, 1, p. 32-41

Publication: Research - peer-review > Journal article - Annual report year: 2004

Oxidative stability of structured lipids containing C18:0, C18:1, C18:2, C18:3 or CLA in sn 2-position - as bulk lipids and in milk drinks

Timm Heinrich, M., Nielsen, N. S., Xu, X. & Jacobsen, C. 2004 In: Innovative Food Science & Emerging Technologies. 5, 2, p. 249-261

Publication: Research - peer-review > Journal article - Annual report year: 2004

Comparison of wet-chemical methods for determination of lipid hydroperoxides

Nielsen, N. S., Timm Heinrich, M. & Jacobsen, C. 2003 In: Journal of Food Lipids. 10, 1, p. 35-50

Publication: Research - peer-review > Journal article - Annual report year: 2003

Correlation between sensory analysis and dynamic headspace GC anlysis in stored marinated herring

Jacobsen, C., Nielsen, D., Hyldig, G. & Nielsen, H. H. 2003 *TAFT 2003 : First joint trans Atlantic fisheries technology conference, 10-14 June 2003 Reykjavik, Iceland : 33rd WEFTA meeting.* Reykjavik: The Icelandic Fisheries Laboratories, 400 p.

Publication: Research > Conference abstract in proceedings – Annual report year: 2003

Effect of astaxanthin and canthaxanthin on lipid and protein oxidation of fish feed exposed to UVA

Baron, C., Berner, L. & Jacobsen, C. 2003 In: Free Radical Research. 37, p. 61-61

Publication: Research - peer-review > Journal article - Annual report year: 2003

Fremstilling af et nyt smørprodukt med forbedrede ernæringsmæssige egenskaber

Mu, H., Jacobsen, C., Xu, X., Høy, C-E. & Jacobsen, K. 2003 In: Mælkeritidende. 8, p. 206-208

Publication: Research > Journal article - Annual report year: 2003

Levnedsmidler med fiskeolie - hvorfor og hvordan?

Jacobsen, C. 2003 In: Fisk og Hav. 55, p. 11-18

Publication: Research > Journal article - Annual report year: 2003

Oxidative flavour deterioration of fish oil enriched milk

Bruni Let, M., Jacobsen, C., Frankel, E. N. & Meyer, A. S. 2003 In: European Journal of Lipid Science and Technology. 105, p. 518-528

Publication: Research - peer-review > Journal article - Annual report year: 2003

Oxidative stability of mayonnaise containing structured lipids produced from sunflower oil and caprylic acid

Jacobsen, C., Xu, X., Nielsen, N. S. & Timm Heinrich, M. 2003 In: European Journal of Lipid Science and Technology. 105, 8, p. 449-458

Publication: Research - peer-review > Journal article - Annual report year: 2003

Oxidative stability of milk drinks containing structured lipids produced from sunflower oil and caprylic acid

Timm Heinrich, M., Xu, X., Nielsen, N. S. & Jacobsen, C. 2003 In : European journal of lipid science and technology. 105, 8, p. 459-470

Oxidative stability of structured lipids produced from sunflower oil and caprylic acid

Timm Heinrich, M., Xu, X., Nielsen, N. S. & Jacobsen, C. 2003 In: European Journal of Lipid Science and Technology. 105, 8, p. 436-448

Publication: Research - peer-review > Journal article - Annual report year: 2003

Progress of lipid oxidation in different fish oil enriched milk emulsions supplemented with EDTA

Bruni Let, M., Jacobsen, C., Frankel, E. N. & Meyer, A. S. 2003 *TAFT 2003: First joint trans Atlantic fisheries technology conference, 10-14 June 2003 Reykjavik, Iceland: 33rd WEFTA meeting.* Reykjavik: The Icelandic Fisheries Laboratories, 400 p.

Publication: Research > Article in proceedings – Annual report year: 2003

Evaluation of oil quality during production and purification of structured lipids

Xu, X., Timm Heinrich, M. & Jacobsen, C. 2002 In: Abstracts of Papers of the American Chemical Society. 223, p. 030-AGFD, Part 1

Publication: Research > Journal article - Annual report year: 2002

Purification and deodorization of structured lipids by short path distillation

Xu, X., Jacobsen, C., Nielsen, N. S., Timm Heinrich, M. & Zhou, D. Q. 2002 In: European Journal of Lipid Science and Technology. 104, 11, p. 745-755

Publication: Research - peer-review > Journal article - Annual report year: 2002

Volatile oxidation products formed in crude herring oil under accelerated oxidative conditions

Aidos, I., Jacobsen, C., Jensen, B., Luten, J. B., van der Padt, A. & Boom, R. M. 2002 In: European Journal of Lipid Science and Technology. 104, 12, p. 808-818

Publication: Research - peer-review > Journal article - Annual report year: 2002

Harskning i levnedsmidler med fiskeolie : Hvordan er det muligt at fremstille oxidationsstabile levnedsmidler beriget med fiskeolie?

Jacobsen, C. 2001 In: Dansk kemi. 82, 10, p. 36-41

Publication: Research > Journal article - Annual report year: 2001

Lipid oxidation in fish oil enriched mayonnaise : Calcium disodium ethylenediaminetetraacetate, but not gallic acid, strongly inhibited oxidative deterioration

Jacobsen, C., Hartvigsen, K., Thomsen, M. H., Hansen, L. F., Lund, P., Skibsted, L. H., Hølmer, G. K., Adler-Nissen, J. & Meyer, A. S. 2001 In: Journal of Agricultural and Food Chemistry. 49, 2, p. 1009-1019

Publication: Research - peer-review > Journal article - Annual report year: 2001

Oxidation in fish oil-enriched mayonnaise 4: Effect of tocopherol concentration on oxidative deterioration

Jacobsen, C., Hartvigsen, K., Lund, P., Thomsen, M. K., Skibsted, L. H., Hølmer, G. K., Adler-Nissen, J. & Meyer, A. S. 2001 In: European Food Research and Technology. 212, 3, p. 308-318

Publication: Research - peer-review > Journal article - Annual report year: 2001

Oxidation in fish oil enriched mayonnaise: Ascorbic acid and low pH increase oxidative deterioration

Jacobsen, C., Timm Heinrich, M. & Meyer, A. S. 2001 In: Journal of Agricultural and Food Chemistry. 49, 8, p. 3947-3956 Publication: Research - peer-review > Journal article - Annual report year: 2001

A check list for multi-instrument projects

Martens, H. & Jacobsen, C. 2000 Danmarks Fiskeriundersøgelser, Afdeling for Fiskeindustriel Forskning. 12 p. (DFU-rapport; No. 77-00).

Publication: Research > Report - Annual report year: 2000

Effect of ascorbic acid on iron release from the emulsifier interface and on the oxidative flavor deterioration in fish oil enriched mayonnaise

Jacobsen, C., Meyer, A. S. & Adler-Nissen, J. 2000 In: Journal of Agricultural and Food Chemistry, 47, p. 4917-4926

Mechanism of initiation of oxidation in mayonnaise enriched with fish oil as studied by electron spin resonance spectroscopy

Thomsen, M. K., Jacobsen, C. & Skibsted, L. H. 2000 In: European Food Research and Technology. 211, 6, p. 381-386 Publication: Research - peer-review > Journal article - Annual report year: 2000

Oxidation in fish-oil-enriched mayonnaise 2: Assessment of the efficacy of different tocopherol antioxidant systems by discriminant partial least squares regression analysis

Jacobsen, C., Hartvigsen, K., Lund, P., Adler-Nissen, J., Hølmer, G. K. & Meyer, A. S. 2000 In: European Food Research and Technology. 210, 4, p. 242-257

Publication: Research - peer-review > Journal article - Annual report year: 2000

Oxidation in fish oil-enriched mayonnaise 3 : Assessment of the influence of the emulsion structure on oxidation by discriminant partial least squares regression analysis

Jacobsen, C., Hartvigsen, K., Lund, P., Thomsen, M. K., Skibsted, L. H., Adler-Nissen, J., Hølmer, G. K. & Meyer, A. S. 2000 In: European Food Research and Technology. 211, p. 86-98

Publication: Research - peer-review > Journal article - Annual report year: 2000

Oxidation mechanisms in mayonnaise enriched with fish oil

Jacobsen, C. 2000 *Proceedings of 29th WEFTA Meeting, 10 - 14 october, 1999 - Leptocarya - Pieria, Greece.* Thessaloniki: Greek Society of Food Hygienists and Technologists, 448 p.

Publication: Research > Article in proceedings – Annual report year: 2000

Multivariate data analysis for more effective R&D and better quality control in the laboratory

Martens, H., Martens, M. & Jacobsen, C. 1999 In: Managing the Modern Laboratory. 4, p. 9-17

Publication: Research > Journal article - Annual report year: 1999

Oxidation in fish-oil-enriched mayonnaise 1 : Assessment of propyl gallate as an antioxidant by discriminant partial least squares regression analysis

Jacobsen, C., Hartvigsen, K., Lund, P., Meyer, A. S., Adler-Nissen, J., Holstborg, J. & Hølmer, G. K. 1999 In: European Food Research and Technology. 210, p. 13-20

Publication: Research - peer-review > Journal article - Annual report year: 1999

Oxidation mechanisms in fish oil enriched emulsions

Jacobsen, C. 1999 DIFRES. 95 p.

Publication: Research > Ph.D. thesis - Annual report year: 1999

Oxidation mechanisms in real food emulsions: Oil-water partition coefficients of selected volatile off-flavor compounds in mayonnaise

Jacobsen, C., Meyer, A. S. & Adler-Nissen, J. 1999 In: European Food Research and Technology: international journal of food research and technology. 208, p. 317-327

Publication: Research - peer-review > Journal article - Annual report year: 1999

Partitioning of selected antioxidants in mayonnaise

Jacobsen, C., Schwarz, K., Stockmann, H., Meyer, A. S. & Adler-Nissen, J. 1999 In: Journal of Agricultural and Food Chemistry. 47, 9, p. 3601-3610

Publication: Research - peer-review > Journal article - Annual report year: 1999

Sensory impact of lipid oxidation in complex food systems

Jacobsen, C. 1999 In: European Journal of Lipid Science and Technology. 101, p. 484-492

Publication: Research - peer-review > Journal article - Annual report year: 1999

Interactions between functional ingredients, antioxidants and off-flavour compounds in mayonnaise with fish oil Jacobsen, C., Meyer, A. S. & Adler-Nissen, J. 1998

Oxidation mechanisms in real food emulsions: Method for separation of mayonnaise by ultracentrifugation

Jacobsen, C., Meyer, A. S. & Adler-Nissen, J. 1998 In: Journal of Food Lipids. 5, 2, p. 87-101

Publication: Research - peer-review > Journal article - Annual report year: 1998

Fate of the synergistic antioxidant system ascorbic acid, lecithin, and tocopherol in mayonnaise: Partion of ascorbic acid

Meyer, A. M. B. & Jacobsen, C. M. 1996 In: Journal of Food Lipids. 3, p. 139-147 Publication: Research - peer-review > Journal article - Annual report year: 1996

Fate of the synergistic antioxidant system ascorbic acid, lecithin, and tocopherol in mayonnaise: Partition of ascorbic acid

Meyer, A. S. & Jacobsen, C. 1996 In: Journal of Food Lipids. 3, 2, p. 139-147

Publication: Research - peer-review > Journal article - Annual report year: 1996

Formulation of fish diets with reduced phosphorus content

Jacobsen, C. & Børresen, T. 1995 In: Water Science and Technology. 31, 10, p. 167-173

Publication: Research - peer-review > Journal article - Annual report year: 1995

Projects:

Valorization of red seaweed biomasses towards future sustainability (VALSEA), Multiextraction of Bioactive Compounds from Macroalgae

Naseri, A., Jacobsen, C. & Holdt, S. L. $01/02/2016 \rightarrow 31/01/2019$

Proiect: PhD

Optimization of processes, yield and biomass composition in large scale macroalgal cultivation in open ocean environments

Grandorf Bak, U., Jacobsen, C., Gregersen, O. & Holdt, S. L. $15/01/2016 \rightarrow 14/01/2019$

Project: PhD

Valorization of red seaweed biomasses towards future sustainability (VALSEA), Multiextraction of Bioactive Compounds from Macroalgae

Holdt, S. L., Jacobsen, C. & Naseri, A. 01/01/2016 → 31/12/2019 Project

Lipid Oxidation in High Fat Omega-3 Delivery Emulsions

Yesiltas, B., Jacobsen, C. & Sørensen, A. M. 01/12/2015 → 30/11/2018

Project: PhD

Development of omega-3 nanodelivery systems using electrospinning processing

García Moreno, P. J., Jacobsen, C., Chronakis, I. S. & Boutrup Stephansen, K. $24/08/2015 \rightarrow 24/08/2017$

Project

High value protein products in seaweed

Jacobsen, C., Holdt, S. L., Naseri, A., Kryger, K. & Jessen, F. $20/10/2014 \rightarrow 31/01/2016$ Project

Ekstraktion af glycoprotein fra tang

Farvin Habebullah, S., Jacobsen, C. & Kryger, K. $15/08/2014 \rightarrow 15/02/2015$

Project

Eel hatchery technology for a sustainable aquaculture (EEL-HATCH) (39181)

Tomkiewicz, J., Haslund, O. H., Husum, J., Støttrup, J. G., Butts, I., Krüger-Johnsen, M., Sørensen, S. R., Politis, S. N., Lund, I. & Jacobsen, C. $01/04/2014 \rightarrow 30/09/2017$

Project

Udvikling af bæredygtige innovative fødevareingredienser på basis af ørredrestprodukter

Jacobsen, C., Nouard, M., Nielsen, H. H., Sloth, J. J., Rasmussen, R. R., Berner, L., Vu, T. T. T., Hansen, E. D., Ørum, P., Honoré, L. & Barlach, A. $01/01/2014 \rightarrow 31/12/2015$

Project

Udvikling af bæredygtige innovative fødevareingredienser på basis af ørredrestprodukter

Jacobsen, C., Barlach, A., Honold, P., Sørensen, A. M., Nouard, M., Jessen, F., Sloth, J. J., Rasmussen, R. R., Berner, L. , Vu, T. T. T., D. Hansen, E. & Ørum, P.

 $01/01/2014 \rightarrow 31/12/2015$

Project

Lipid oxidation in skin care products

Thomsen, B. R. & Jacobsen, C. $01/01/2014 \rightarrow 07/09/2017$

Project: PhD

Micro -algae biomass as an alternative resource for fishmeal and fish oil in the production of fish feed

Safafar, H., Jacobsen, C. & Møller, P.

 $01/11/2013 \rightarrow 31/10/2016$

Project: PhD

Quality improvement of krill oil and other krill products

Lu, H. F. S. & Jacobsen, C. $01/02/2013 \rightarrow 30/06/2015$

Project

Muscle-specific stability of pork packaged in modified atmosphere during refrigerated storage

Spanos, D., Jacobsen, C., Baron, C. P., Christensen, M., Tørngren, M. A., Jessen, F., Ertbjerg, P. & Lund, M. N. $01/11/2012 \rightarrow 21/04/2016$

Project: PhD

Extraction and characterisation of highly biocative ingredients from Nordic marine algae

Hermund, D. B., Jacobsen, C., Nielsen, K. F., Sloth, J. J., Andersen, M. L. & Hotchkiss, S. $01/06/2012 \rightarrow 21/04/2016$

Project: PhD

Novel bioactive seaweed based ingredients and products

G. Kristinsson, H., Jacobsen, C., Larsen, D., Torp, E., Sigurðsson, G., Tómasson, G. & Folland, S. $01/01/2012 \rightarrow 31/01/2016$

Project

Effects of emulgating dietary fat with dairy phospholipids on establishment of the gut microbiota

Bennike, R. M. G., Hellgren, L., Licht, T. R., Jacobsen, C., Ahrné, S. & Lauridsen, C. $01/12/2011 \rightarrow 02/09/2015$

Project: PhD

Sensory factors in food satisfaction

Andersen, B. V., Hyldig, G., Jørgensen, B. M., Jacobsen, C., Monteleone, E. & Wendin, K.

Project: PhD

Phenolipids as antioxidants in omega-3 model and real food systems - Effect of alkyl chain length and concentration Sørensen, A. M., Jacobsen, C., Villeneuve, P. & Storrø, I.

 $01/07/2011 \rightarrow 30/09/2014$

Project

Phenolipids as antioxidants in omega-3 model and real food systems - Effect of alkyl chain length and concentration Sørensen, A. M., Jacobsen, C., Villeneuve, P. & Storrø, I.

 $01/07/2011 \rightarrow 01/06/2014$

Project

Innovative Applications of marine phospholipids for development of healthy foods

Lu, H. F. S., Jacobsen, C., Baron, C. P., Nielsen, N. S., Hellgren, L., Løvaas, E. & Olsen, K. $15/10/2009 \rightarrow 24/04/2013$

Project: PhD

Aquatic Resources as a Source of Potential Natural Antioxidants for Food Industry

Farvin Habebullah, S., Jacobsen, C., Gram, L., Jessen, F., Nielsen, H. H. & Nielsen, K. F. $01/01/2009 \rightarrow 31/12/2012$

Project

Reproductive Ecology: Effect of dietary fatty acids on ovarian maturation, spawning time and quality of eggs and larvae in Eastern Baltic cod

Røjbek, M., Støttrup, J. G., Jacobsen, C., Tomkiewicz, J., Grønkjær, P. & Kraus, G.

 $01/10/2008 \rightarrow 27/06/2012$

Project: PhD

Omega-3 food emulsions: Control and Investigation of Molecular Structure in Relation to Lipid Oxidation

Horn, A. F., Jacobsen, C., Nielsen, N. S., Szabo, P., Hellgren, L., Andersen, M. L. & Genot, C.

 $01/04/2008 \rightarrow 28/03/2012$

Project: PhD

Nutritional Immunology

Kristensen, M. B., Wilcks, A., Bergström, A., Nellemann, C., Kølln, C., Licht, T. R., Jacobsen, C., Nielsen, N. S., Horn, A. F., Mathiassen, J. H., Hellgren, L., Fink, L. N., Frøkjær, H. & Broeng Metzdorff, S. $07/08/2007 \rightarrow 30/11/2011$

Project

Nutritional Immunology

Kristensen, M. B., Wilcks, A., Bergström, A., Andersen, J. B., Nellemann, C., Kølln, C., Jacobsen, C., Nielsen, N. S., Horn, A. F., Licht, T. R., Mathiassen, J. H., Hellgren, L. & Fink, L. N.

 $01/08/2007 \rightarrow 31/12/2011$

Project

Nutritional Immunology

Licht, T. R., Wilcks, A., Bergström, A., Andersen, J. B., Metzdorff, S. B., Frøkiær, H., Fink, L. N., Hellgren, L., Jacobsen, C. & Nielsen, N. S. $04/01/2007 \rightarrow 31/12/2011$

Project

Improvement of Oxidative Stability of Fish Oil Enriched Foods - Ingredients Interactions and Antioxidant Effects

Sørensen, A. M., Jacobsen, C., Nielsen, N. S., Hellgren, L., Olsen, K. & Villeneuve, P.

 $01/08/2006 \rightarrow 23/06/2010$

Project: PhD

Enzymatic Lipophilisation of Bioactive Compounds

Lue, B., Adler-Nissen, J., Jacobsen, C., Jørgensen, B. M., Meyer, A. S., Xu, X. & Guo, Z. $01/04/2006 \rightarrow 30/06/2008$

Project: PhD

Nutritious and tasty omega-3 rich foods for a slim and healthy population

Jacobsen, C. 01/01/2006 → 31/12/2009 Project

Fish oil enrichments

Jacobsen, C., Nielsen, N. S., Jørgensen, J., Mu, H., Porsgaard, T., Jensen, K., Scholderer, J., Hagemann, K., Krutulyte, R., Elgaard, P., Nielsen, B., Graverholt, J. P., Affertsholt, T., Pedersen, P. & Brönner, K. W. 01/01/2005 → 31/12/2008

Project

Structured lipids for fish feed for rainbow trouts

Jacobsen, C., Nielsen, N. S., Nielsen, H. H., Jørgensen, J., Mu, H., Göttsche, J. R., Xu, X. & Holm, J. $01/01/2004 \rightarrow \dots$

Project

Production and Nutritional Aspectsof Butter Enriched with Diacylglycerols

Kristensen, J. B., Mu, H., Jacobsen, C., Nielsen, N. S., Xu, X., Hellgren, L., Adlercreutz, P. & Jensen, M. M. $15/10/2002 \rightarrow 27/03/2006$

Project: PhD

Oxidationsbeskyttelse af fiskeolieholdige produkter

Bruni Let, M., Meyer, A. S., Jacobsen, C., Jørgensen, B. M., Andersen, H. J. & Nilsson, A. $01/01/2002 \rightarrow 18/05/2007$

Project: PhD

Production of magarine fats by lipase-catalysed interesterification a process, quality, and nutritional study for industrial application

Zhang, H., Adler-Nissen, J., Jacobsen, C., Nilsson, J., Pedersen, L. S., Hellgren, L., Adlercreutz, P. & Mortensen, B. $01/10/2001 \rightarrow ...$

Project: PhD

FAO Fish Oil

Jensen, B., Jacobsen, C. & Vu, T. T. T. 01/07/1999 → 01/07/2000

Project

Oxidationsmekanismer i fiskeolieholdige

Jacobsen, C., Adler-Nissen, J., Børresen, T. & Meyer, A. S. 01/11/1996 $\rightarrow \dots$ Project: PhD

Oxidation mechanisms in fish oil enriched emulsions

Børresen, T., Vu, T. T., Jacobsen, C., Hartvigsen, K., Lund, P., Datta, S., Hølmer, G. K., Meyer, A. S., Green, E., Reitz, S. & Adler-Nissen, J. $01/05/1996 \rightarrow 31/12/1999$

Project

Activities:

Artikel Kosttilskud med antioxidanter

Charlotte Jacobsen (Participant), Kristeligt Dagblad, 4 Feb 2016

Activity: Appearance in mass media > Participation in Interview for Printed Media

Sundhedseffekter af rødvin og fiskeolie

Charlotte Jacobsen (Participant), Jyllandsposten JP Premium net, 12 May 2016

Activity: Appearance in mass media > Participation in Interview for Web Based Media

105th AOCS Annual Meeting & Expo

Charlotte Jacobsen (Reviewer), 4 May 2014, 105th AOCS Annual Meeting & Expo

Activity: Participation in conference/workshop/course/seminar > Organisation of and participation in conference

Temadag om fiskeolie

Charlotte Jacobsen (Invited speaker), 25 Jun 2014,

Activity: Participation in conference/workshop/course/seminar > Participation in workshop, seminar, course

11th EuroFedLipid Conference

Charlotte Jacobsen (Reviewer), 14 Sep 2014, 11th EuroFedLipid Conference

Activity: Participation in conference/workshop/course/seminar > Organisation of and participation in conference

Microalgae workshop

Charlotte Jacobsen (Coordinator), 26 Nov 2014, Microalgae workshop

Activity: Participation in conference/workshop/course/seminar > Participation in workshop, seminar, course

Winner of Agro Business Park's Innovation competition 2014

Charlotte Jacobsen (Participant), AgroPark, Denmark, Nov 2014

Activity: Other research and communication activities > Prizes, scholarships, distinctions

European Journal of Lipid Science and Technology

Charlotte Jacobsen (Editor), 2014

Activity: Ongoing editorial work > Editor of Research journal

Fisk og fiskeolie

Charlotte Jacobsen (Interview person), DR Kontant, 23 Jan 2013

Activity: Appearance in mass media > Participation in TV Programme

Flødeskum

Charlotte Jacobsen (Interview person), DR P3, 18 Apr 2013

Activity: Appearance in mass media > Participation in Radio Programme

Æg's indhold af næringsstoffer i sammenhæng med produktionsform

Charlotte Jacobsen (Interview person), DR1, 12 Jun 2013 → 13 Jun 2013

Activity: Appearance in mass media > Participation in TV Programme

Ingredienskonference

Charlotte Jacobsen (Interview person), FoodCulture, 9 Sep 2013

Activity: Appearance in mass media > Participation in Interview for Printed Media

Laks' indhold af omega-3 fedtsyrer

Charlotte Jacobsen (Interview person), DR1, 12 Sep 2013 → 16 Sep 2013

Activity: Appearance in mass media > Participation in TV Programme

Harske fiskeoliekapsler

Charlotte Jacobsen (Interview person), DR "Kontant", 2 Nov 2012

Activity: Appearance in mass media > Participation in TV Programme

Journal of American Oil Chemist's Society

Charlotte Jacobsen (Editor), 2011

Activity: Ongoing editorial work > Editor of Research journal

Journal of Aquatic Food Products

Charlotte Jacobsen (Editor), 2011

Activity: Ongoing editorial work > Editor of Research journal

Coaching

Charlotte Jacobsen (Interview person), 1 Jan 2010 → ...

Activity: Appearance in mass media > Participation in Interview for Printed Media

Filmen "Food Inc"

Charlotte Jacobsen (Interview person), 1 Jan 2010 → ...

Activity: Appearance in mass media > Participation in Interview for Printed Media

Nu3Health

Charlotte Jacobsen (Interview person), 1 Jan 2010 → ...

Activity: Appearance in mass media > Participation in Interview for Printed Media

Nu3Health

Charlotte Jacobsen (Interview person), Børsen, 1 Jan 2010 → ...

Activity: Appearance in mass media > Participation in Interview for Printed Media

Omega-3 indhold i fisk

Charlotte Jacobsen (Interview person), 1 Jan 2010 → ...

Activity: Appearance in mass media > Participation in Radio Programme

Omega-3 indhold i fisk

Charlotte Jacobsen (Interview person), 1 Jan 2010 → ...

Activity: Appearance in mass media > Participation in Interview for Printed Media

Omega-3 indhold i opdrættede fisk

Charlotte Jacobsen (Interview person), 1 Jan 2010 → ...

Activity: Appearance in mass media > Participation in Interview for Printed Media

Prisforskelle på fiskeoliekapsler

Charlotte Jacobsen (Interview person), 1 Jan 2010 → ...

Activity: Appearance in mass media > Participation in Interview for Printed Media

Kan fisks sundhedspotentiale udnyttes til innovativ produktudvikling?

Charlotte Jacobsen (Speaker), 28 Jan 2010

Activity: Lecture and oral contribution

Omega-3 indhold og kvalitet af fiskeoliekapsler fra Helsecare

Charlotte Jacobsen (Interview person), 31 Aug 2010 → 3 Sep 2010

Activity: Appearance in mass media > Participation in Radio Programme