Research outputs:

Preparation and Characterization of an Oral Vaccine Formulation Using Electrosprayed Chitosan Microparticles
Research output: Research - peer-review › Journal article – Annual report year: 2018

Biopolymers for the Nano-microencapsulation of Bioactive Ingredients by Electrohydrodynamic Processing
Research output: Research - peer-review › Book chapter – Annual report year: 2018

Bladder biomechanics and the use of scaffolds for regenerative medicine in the urinary bladder
Research output: Research - peer-review › Review – Annual report year: 2018

Bladder wall biomechanics: A comprehensive study on fresh porcine urinary bladder
Research output: Research - peer-review › Journal article – Annual report year: 2018

Composite nanofibers/water photosplitting and photocatalytic degradation of dairy effluent
Research output: Research - peer-review › Journal article – Annual report year: 2018

Compressed collagen constructs with optimized mechanical properties and cell interactions for tissue engineering applications
Research output: Research - peer-review › Journal article – Annual report year: 2018

Crosslinking of milk proteins by microbial transglutaminase: Utilization in functional yogurt products
Research output: Research - peer-review › Journal article – Annual report year: 2018

Development of electrosprayed mucoadhesive chitosan microparticles
Research output: Research - peer-review › Journal article – Annual report year: 2018

Electrospun Xanthan gum-Chitosan nanofibers as delivery carrier of hydrophobic bioactives
Research output: Research - peer-review › Journal article – Annual report year: 2018

Fabrication, characterization, and biocompatibility assessment of a novel elastomeric nanofibrous scaffold: A potential scaffold for soft tissue engineering
Research output: Research - peer-review › Journal article – Annual report year: 2018

Immobilization of silk fibroin on the surface of PCL nanofibrous scaffolds for tissue engineering applications
Research output: Research - peer-review › Journal article – Annual report year: 2018
In vitro permeability enhancement of curcumin across Caco-2 cells monolayers using electrospun xanthan-chitosan nanofibers
Research output: Research - peer-review › Journal article – Annual report year: 2018

Microbial Transglutaminase in Noodle and Pasta Processing
Research output: Research - peer-review › Journal article – Annual report year: 2018

Mineralization of gellan gum hydrogels with calcium and magnesium carbonates by alternate soaking in solutions of calcium/magnesium and carbonate ion solutions
Research output: Research - peer-review › Journal article – Annual report year: 2018

Morphological, Mechanical and Mucoadhesive Properties of Electrospun Chitosan/Phospholipid Hybrid Nanofibers
Research output: Research - peer-review › Journal article – Annual report year: 2018

Physicochemical characterization and oxidative stability of fish oil-loaded electrosprayed capsules: Combined use of whey protein and carbohydrates as wall materials
Research output: Research - peer-review › Journal article – Annual report year: 2018

Phytase-mediated enzymatic mineralization of chitosan-enriched hydrogels
Research output: Research - peer-review › Journal article – Annual report year: 2018

Surface modification of poly (ethylene terephthalate) fabric by soy protein isolate hydrogel for wound dressing application
Research output: Research - peer-review › Journal article – Annual report year: 2018

Use of Electrohydrodynamic Processing for Encapsulation of Sensitive Bioactive Compounds and Applications in Food
Research output: Research - peer-review › Journal article – Annual report year: 2018

Utilizing cocoyam (Xanthosoma sagittifolium) for food and nutrition security: A review
Research output: Research - peer-review › Review – Annual report year: 2018

Characteristics of Xanthosoma sagittifolium roots during cooking, using physicochemical analysis, uniaxial compression, multispectral imaging and low field NMR spectroscopy
Research output: Research - peer-review › Journal article – Annual report year: 2017

Bioinspired, biomimetic, double-enzymatic mineralization of hydrogels for bone regeneration with calcium carbonate
Research output: Research - peer-review › Journal article – Annual report year: 2017

Biomechanical study of porcine urinary bladder wall: matter of isotropy or anisotropy
Research output: Research - peer-review › Conference abstract in proceedings – Annual report year: 2017

Development of carbohydrate-based nano-microstructures loaded with fish oil by using electrohydrodynamic processing
Research output: Research - peer-review › Journal article – Annual report year: 2017

Development of fish oil-loaded nano-microcapsules by co-axial electrospraying: physical characterization and oxidative stability
Research output: Research - peer-review › Conference abstract for conference – Annual report year: 2017

Development of silk fibroin weft-knitted fabric for tissue engineering applications
Research output: Research - peer-review › Conference abstract in proceedings – Annual report year: 2017
Electrospinning of food proteins and polysaccharides
Research output: Research - peer-review › Journal article – Annual report year: 2017

Electrospinning of Xanthan Polysaccharide
Research output: Research - peer-review › Journal article – Annual report year: 2017

Electrospun Phospholipid Fibers as Micro-Encapsulation and Antioxidant Matrices
Research output: Research - peer-review › Journal article – Annual report year: 2017

Electrospun Polymer Fiber Lasers for Applications in Vapor Sensing
Research output: Research - peer-review › Journal article – Annual report year: 2017

Electrostatic Self-Assembly of Polysaccharides into Nanofibers
Research output: Research - peer-review › Journal article – Annual report year: 2017

Enzymatic, urease-mediated mineralization of gellan gum hydrogel with calcium carbonate, magnesium-enriched calcium carbonate and magnesium carbonate for bone regeneration applications
Research output: Research - peer-review › Journal article – Annual report year: 2017

Gastric mucus and mucuslike hydrogels: Thin film lubricating properties at soft interfaces
Research output: Research - peer-review › Journal article – Annual report year: 2017

Hybrid hydrogels by the co-assembly of chitosan with phospholipids
Research output: Research - peer-review › Conference abstract for conference – Annual report year: 2017

Innovative Methods and Applications in Mucoadhesion Research
Research output: Research - peer-review › Review – Annual report year: 2017

Interfacial Shear Rheology of β-Lactoglobulin - Bovine Submaxillary Mucin Layers Adsorbed at Air/Water Interface
Research output: Research - peer-review › Journal article – Annual report year: 2017

Investigation of the molecular level interactions between mucins and food proteins: Spectroscopic, tribological and rheological studies
Research output: Research › Ph.D. thesis – Annual report year: 2018

Nanofibrous nonwovens based on dendritic-linear-dendritic poly(ethylene glycol) hybrids
Research output: Research - peer-review › Journal article – Annual report year: 2017

Oxidative stability of pullulan electrospun fibers containing fish oil: Effect of oil content and natural antioxidants addition
Research output: Research - peer-review › Journal article – Annual report year: 2017

Protein-polysaccharide Mixtures as Wall Material in Fish Oil-loaded Nano-microcapsules Obtained by Electrospraying
Research output: Research - peer-review › Conference abstract in proceedings – Annual report year: 2017

The electrospinning of xanthan gum: from solution to nanofiber formation
Research output: Research - peer-review › Conference abstract in proceedings – Annual report year: 2017

Trefoil factor peptide 3 is positively correlated with the viscoelastic properties of the cervical mucus plug
Research output: Research - peer-review › Journal article – Annual report year: 2017

A full-layer bladder wall patch by mincing both porcine bladder mucosa and detrusor in a natural-synthetic scaffold
Research output: Research - peer-review › Conference abstract in journal – Annual report year: 2016
Chitosan/Phospholipids Hybrid Nanofibers and Hydrogels for Life Sciences Applications
Research output: Research - peer-review › Conference abstract for conference – Annual report year: 2016

Co-assembly of chitosan and phospholipids into hybrid hydrogels
Research output: Research - peer-review › Conference article – Annual report year: 2016

Comparing Hybrid Nano-microfibrous Constructs of Plastic Compressed Collagen - Electrospun PLGA: Collagen Content Percentage as Variable
Research output: Research - peer-review › Conference abstract in proceedings – Annual report year: 2016

Electrospinning of Chitosan-Xanthan Nanofibers
Research output: Research - peer-review › Conference abstract for conference – Annual report year: 2016

Electrospraying Chitosan Particles for Oral Vaccine Delivery
Research output: Research - peer-review › Conference abstract for conference – Annual report year: 2016

Electrospraying particles for loading into microcontainers for drug delivery
Research output: Research - peer-review › Conference abstract for conference – Annual report year: 2016

Encapsulation of fish oil in nanofibers by emulsion electrospinning: Physical characterization and oxidative stability
Research output: Research - peer-review › Journal article – Annual report year: 2016

Enzymatic, urease-mediated mineralization of gellan gum hydrogel with calcium carbonate, magnesium-enriched calcium carbonate and magnesium carbonate for bone regeneration applications
Research output: Research - peer-review › Conference abstract for conference – Annual report year: 2016

Hybrid electrospun chitosan-phospholipids nanofibers for transdermal drug delivery
Research output: Research - peer-review › Journal article – Annual report year: 2016

Hybrid matrices of TiO2 and TiO2–Ag nanofibers with silicone for high water flux photocatalytic degradation of dairy effluent
Research output: Research - peer-review › Journal article – Annual report year: 2016

Hybrid matrices of ZnO nanofibers with silicone for high water flux photocatalytic degradation of dairy effluent
Research output: Research - peer-review › Journal article – Annual report year: 2016

Interactions between Surfactants in Solution and Electrospun Protein Fibers: Effects on Release Behavior and Fiber Properties
Research output: Research - peer-review › Journal article – Annual report year: 2016

Investigation of the Interaction between Mucins and β-Lactoglobulin under Tribological Stress
Research output: Research - peer-review › Journal article – Annual report year: 2015

Optical sensors from electrohydrodynamic jetted polymer fiber resonators
Research output: Research - peer-review › Conference abstract in proceedings – Annual report year: 2016

Oxidative Stability of Nano-Microstructures containing fish oil
Research output: Research - peer-review › Conference abstract for conference – Annual report year: 2016

Oxidative stability of pullulan nanofibers loaded with fish oil: effect of oil content and antioxidants addition
Research output: Research - peer-review › Conference abstract for conference – Annual report year: 2016
Slippery when sticky: Lubricating properties of thin films of Taxus baccata aril mucilage
Research output: Research - peer-review › Journal article – Annual report year: 2016

Spectroscopic and tribological studies of the interactions between β-lactoglobulin and mucins
Research output: Research - peer-review › Conference abstract for conference – Annual report year: 2017

A new strategy for synthesizing AgInS2 quantum dots emitting brightly in near-infrared window for in vivo imaging
Research output: Research - peer-review › Journal article – Annual report year: 2015

Bioactive protein-based nanofibers interact with intestinal biological components resulting in transepithelial permeation of a therapeutic protein
Research output: Research - peer-review › Journal article – Annual report year: 2015

Design and characterization of self-assembled fish sarcoplasmic protein-alginate nanocomplexes
Research output: Research - peer-review › Journal article – Annual report year: 2015

Development and characterization of nano-micro structures as carrier for bioactive compounds
Research output: Research › Ph.D. thesis – Annual report year: 2015

Effects of electrospun chitosan wrapping for dry-ageing of beef, as studied by microbiological, physicochemical and low-field nuclear magnetic resonance analysis
Research output: Research - peer-review › Journal article – Annual report year: 2015

Electrospun dye-doped fiber networks: lasing emission from randomly distributed cavities
Research output: Research - peer-review › Conference abstract in proceedings – Annual report year: 2015

Electrospun NiO, ZnO and composite NiO–ZnO nanofibers/photocatalytic degradation of dairy effluent
Research output: Research - peer-review › Journal article – Annual report year: 2015

Forming of Polymeric Tubular Micro-components.
Research output: Research - peer-review › Book chapter – Annual report year: 2015

Highly functionalized nano-microstructures for Bioengineering
Research output: Research - peer-review › Conference abstract in proceedings – Annual report year: 2015

Hybrid nanofibers of TiO2-silicone and TiO2-Ag-silicone for high water flux photocatalytic degradation of dairy effluent
Research output: Research - peer-review › Conference abstract in proceedings – Annual report year: 2015

Integrated Micro/Nanofibrous PLGA-Collagen Scaffold: an Optimized Method for Plastic Compression of Collagen into PLGA Microfibers
Research output: Research - peer-review › Conference abstract in journal – Annual report year: 2015

Integrated micro/nanofibrous PLGA-Collagen scaffolds for bladder tissue regeneration
Research output: Research - peer-review › Conference abstract in proceedings – Annual report year: 2015

Interactions between electrospun fibers and the surrounding biological environment; cells and small molecules
Research output: Research - peer-review › Conference abstract in proceedings – Annual report year: 2015

Research output: Research - peer-review › Book chapter – Annual report year: 2015
Nanomechanics of electrospun phospholipid fiber
Research output: Research - peer-review › Journal article – Annual report year: 2015

Oxidative stability of electrospun nanofibers loaded with fish oil
Research output: Research - peer-review › Conference abstract in proceedings – Annual report year: 2016

Phospholipid electrospun nanofibers: effect of solvents and co-axial processing on morphology and fiber diameter
Research output: Research - peer-review › Journal article – Annual report year: 2015

Photocatalytic degradation of dairy effluent using AgTiO₂ nanostructures/polyurethane nanofiber membrane
Research output: Research - peer-review › Journal article – Annual report year: 2015

Production of omega-3 nanodelivery systems by emulsion electrospinning
Research output: Research - peer-review › Conference abstract in proceedings – Annual report year: 2016

Spectroscopic studies of the interactions between β-lactoglobulin and bovine submaxillary mucin
Research output: Research - peer-review › Journal article – Annual report year: 2015

Bioactive electrospun fish sarcoplasmic proteins as a drug delivery system
Research output: Research - peer-review › Journal article – Annual report year: 2014

Electrospun fish protein fibers as a biopolymer-based carrier – implications for oral protein delivery
Research output: Research - peer-review › Conference abstract in proceedings – Annual report year: 2014

Gold nanoparticles-gelatin hybrid fibers with bright photoluminescence
Research output: Research - peer-review › Journal article – Annual report year: 2014

Hyperbranched polyether hybrid nanospheres with CdSe quantum dots incorporated for selective detection of nitric oxide
Research output: Research - peer-review › Journal article – Annual report year: 2014

Lubrication of soft and hard interfaces with thermo-responsive F127 hydrogel
Research output: Research - peer-review › Journal article – Annual report year: 2014

Molecularly imprinted polymer beads for nicotine recognition prepared by RAFT precipitation polymerization: a step forward towards multifunctionalities
Research output: Research - peer-review › Journal article – Annual report year: 2014

Nano-microdelivery systems for oral delivery of an active ingredient
Research output: Research › Patent – Annual report year: 2014

Nano-microdelivery systems for oromucosal delivery of an active ingredient
Research output: Research › Patent – Annual report year: 2014

Quantum dots-hyperbranched polyether hybrid nanospheres towards delivery and real-time detection of nitric oxide
Research output: Research - peer-review › Journal article – Annual report year: 2014

Random-Cavity Lasing from Electrospun Polymer Fiber Networks
Research output: Research - peer-review › Journal article – Annual report year: 2014
Relationship between Beta-Lactoglobulin and Bovine Submaxillary Mucin: Structure and Tribology Studies
Research output: Research › Poster – Annual report year: 2014

The viscoelastic properties of the cervical mucus plug
Research output: Research › peer-review › Journal article – Annual report year: 2014

Electrospun polyvinyl-alcohol nanofibers as oral fast-dissolving delivery system of caffeine and riboflavin
Research output: Research › peer-review › Journal article – Annual report year: 2013

Influence of temperature on the photodegradation process using Ag-doped TiO2 nanostructures: Negative impact with the nanofibers
Research output: Research › peer-review › Journal article – Annual report year: 2012

Molecularly Imprinted Nano- and Micro-structures by Electrospinning.
Research output: Research › peer-review › Book chapter – Annual report year: 2013

Process Chain for the Manufacture of Polymeric Tubular Micro-Components and “POLYTUBES Micro-Factory” Concept
Research output: Research › peer-review › Paper – Annual report year: 2013

Stabilization of oil-in-water emulsions by enzyme catalyzed oxidative gelation of sugar beet pectin
Research output: Research › peer-review › Journal article – Annual report year: 2013

Enzyme catalyzed oxidative gelation of sugar beet pectin: Kinetics and rheology
Research output: Research › peer-review › Annual report year: 2012

Influence of mucolytic compounds on rehydrated porcine gastric mucin
Research output: Research › peer-review › Poster – Annual report year: 2012

Influence of template/functional monomer/cross-linking monomer ratio on particle size and binding properties of molecularly imprinted nanoparticles
Research output: Research › peer-review › Journal article – Annual report year: 2012

Preparing photochromic nanofibers and animal cells using a photochromic compound of 1’,3’,3’-trimethyl-6-nitrospiro (2H-1-benzopyran-2,2’-indoline)
Research output: Research › peer-review › Journal article – Annual report year: 2012

Preparing poly (caprolactone) micro-particles through solvent-induced phase separation
Research output: Research › peer-review › Journal article – Annual report year: 2012

Zinc oxide’s hierarchical nanostructure and its photocatalytic properties
Research output: Research › peer-review › Journal article – Annual report year: 2012

Algal proteins
Research output: Research › peer-review › Book chapter – Annual report year: 2011
Biologically Active Polycaprolactone/Titanium Hybrid Electrospun Nanofibers for Hard Tissue Engineering
Research output: Research - peer-review › Journal article – Annual report year: 2012

Co3O4–ZnO hierarchical nanostructures by electrospinning and hydrothermal methods
Research output: Research - peer-review › Journal article – Annual report year: 2011

Co3O4, ZnO, Co3O4-ZnO Nanofibers and Their Properties
Research output: Research - peer-review › Journal article – Annual report year: 2012

Fabrication of Mineralized Collagen from Bovine Waste Materials by Hydrothermal Method as Promised Biomaterials
Research output: Research - peer-review › Journal article – Annual report year: 2012

Influences of Silver-Doping on the Crystal Structure, Morphology and Photocatalytic Activity of TiO2 Nanofibers
Research output: Research - peer-review › Journal article – Annual report year: 2011

Hybrid (organic/inorganic) nanofibers
Research output: Research - peer-review › Book chapter – Annual report year: 2010

Nano-microfibers by Electrospinning Technology: Processing, Properties and Applications
Research output: Research - peer-review › Book chapter – Annual report year: 2010

Nano-micromaterials processing, analysis, inspection and materials knowledge based management
Research output: Research - peer-review › Journal article – Annual report year: 2010

Nanostructured Conductive Polymers by Electrospinning
Research output: Research - peer-review › Book chapter – Annual report year: 2010

Metal-polymer Composite Nanofibres by Electrospinning
Research output: Research - peer-review › Journal article – Annual report year: 2009

Nano-fiber scaffold electrodes based on PEDOT for cell stimulation
Research output: Research - peer-review › Journal article – Annual report year: 2009

Scintillation Micro/Nanofibers
Research output: Research › Patent – Annual report year: 2009

A simple method for preparation of molecularly imprinted nanofiber materials with signal transduction ability
Research output: Research - peer-review › Journal article – Annual report year: 2008

Selective molecular adsorption using electrospun nanofiber membranes
Research output: Research - peer-review › Journal article – Annual report year: 2008

Electrospun aliphatic polycarbonates as tailored tissue scaffold materials
Research output: Research - peer-review › Journal article – Annual report year: 2007

Encapsulation and exfoliation of inorganic lamellar fillers into polycaprolactone by electrospinning
Research output: Research - peer-review › Journal article – Annual report year: 2007

Conductive polypyrrole nanofibers via electrospinning: Electrical and morphological properties
Research output: Research - peer-review › Journal article – Annual report year: 2006
Encapsulation and Selective Recognition of Molecularly Imprinted Theophylline and 17beta-Estradiol Nanoparticles within Electrospun Polymer Nanofibers
Research output: Research - peer-review › Journal article – Annual report year: 2006

Generation of Molecular Recognition Sites in Electrospun Polymer Nanofibers via Molecular Imprinting
Research output: Research - peer-review › Journal article – Annual report year: 2006

Manufacturing of Polymer Micro and Nanostructures
Research output: Research - peer-review › Article in proceedings – Annual report year: 2006

Metallic Micro/Nanofibers Produced via Electrospinning Processes
Research output: Research › Patent – Annual report year: 2006

Molecular Imprinting Recognition Sites of Electrospun Polymer Nanofibers
Research output: Research › Patent – Annual report year: 2005

Novel nanocopolisites and nanoceramics based on polymer nanofibers using electrospinning process-Review
Research output: Research › peer-review › Journal article – Annual report year: 2005

Biodegradable films of partly branched Poly(L-lactide)-co-poly(epsilon-caprolactone) copolymer: Modulation of phase morphology, plasticization properties and thermal depolymerization
Research output: Research - peer-review › Journal article – Annual report year: 2004

Complex formation in aqueous medium of partially hydrolysed oat cereal proteins with sodium stearoyl-2 lactylate (SSL) lipid surfactant and implications for bile acids activity
Research output: Research - peer-review › Journal article – Annual report year: 2004

Hydrophilic monolayer formation of adsorbed cationic starch and cationic hydroxyethyl cellulose derivates on polyester surfaces
Research output: Research - peer-review › Journal article – Annual report year: 2004

Solid-state characteristics and re-dispersible properties of powders formed by spray-drying and freeze-drying cereal dispersions of varying (1→3, 1→4) beta-glucan content
Research output: Research - peer-review › Journal article – Annual report year: 2004

Polymer nanofibers assembled by electrospinning
Research output: Research - peer-review › Journal article – Annual report year: 2003

Isotropic-nematic phase equilibrium and phase separation of kappa-carrageenan in aqueous salt solution: experimental and theoretical approaches
Research output: Research - peer-review › Journal article – Annual report year: 2002

Thermoreversible Gels of Hydrophobically Modified Hydroxyethyl Cellulose Cross-Linked by Amylose
Research output: Research - peer-review › Journal article – Annual report year: 2002

Gelation of Edible Blue-Green Algae Protein Isolate (Spirulina platensis strain pacifica)
Research output: Research - peer-review › Journal article – Annual report year: 2001

Polyelectrolyte-ionic surfactant interactions in aqueous solutions: effects of polymer molecular weight, surfactant architecture, and added cyclodextrin, probed by dynamic mechanical fluorescence and NMR spectroscopy
Research output: Research - peer-review › Article in proceedings – Annual report year: 2001
Rheological Properties of Oppositely Charged Polyelectrolyte - Surfactant Mixtures: Effect of Polymer Molecular Weight and Surfactant Architecture
Research output: Research - peer-review › Journal article – Annual report year: 2001

Biosolar Proteins from Aquatic Algae
Research output: Research - peer-review › Book chapter – Annual report year: 2000

Ternary Phase diagram of surfactant Triton X - 100 / Poly (Acrylic Acid) / Water system
Research output: Research - peer-review › Journal article – Annual report year: 2000

The behaviour of protein preparations from blue-green algae (Spirulina platensis strain Pacifica) at the air/water interface
Research output: Research - peer-review › Journal article – Annual report year: 2000

Viscoelastic properties of kappa- and iota-carrageenan in aqueous NaI from the liquid-like to the solid-like behaviour
Research output: Research - peer-review › Journal article – Annual report year: 2000

Conformation and association of kappa-carrageenan with Locust Bean Gum in mixture of ions - Rheology and Cryo-TEM studies
Research output: Research - peer-review › Journal article – Annual report year: 1999

Marine Algae Proteins: a study on the extraction, thermal denaturation and functionality of Spirulina
Research output: Research - peer-review › Article in proceedings – Annual report year: 1998

Measurement of heat transfer coefficient in a thawing tunnel
Research output: Research - peer-review › Journal article – Annual report year: 1998

On the molecular characteristics, compositional properties and structural functional mechanisms of Maltodextrins: A Review
Research output: Research - peer-review › Journal article – Annual report year: 1998

Specific Methods for the Analysis of Identity and Purity of Functional Food Polysaccharides
Research output: Research - peer-review › Book chapter – Annual report year: 1998

Organisation and association of kappa-carrageenan helices under different salt conditions
Research output: Research - peer-review › Journal article – Annual report year: 1997

Partially denatured trypsinized-sunflower and soya protein isolates properties
Research output: Research - peer-review › Article in proceedings – Annual report year: 1997

Structural-Functional and Water-Holding studies of Biopolymers in Low Fat content Spreads
Research output: Research - peer-review › Journal article – Annual report year: 1997

Structural Properties of Gelatin - Pectin Gels. Effect of Ethylene Glycol
Research output: Research - peer-review › Journal article – Annual report year: 1997

Gelation and Phase Separation in Maltodextrin - Caseinate systems
Research output: Research - peer-review › Journal article – Annual report year: 1996

Network formation and viscoelastic properties of commercial soy protein dispersions: effect of heat treatments, pH and calcium ions
Research output: Research - peer-review › Journal article – Annual report year: 1996
Rheology of kappa-carrageenan in mixtures of sodium & cesium iodide: Two types of gels
Research output: Research - peer-review | Journal article – Annual report year: 1996

Scientific and Technological aspects of Polymer incompatibility in mixed Biopolymer systems
Research output: Research - peer-review | Article in proceedings – Annual report year: 1996

Small deformation rheological properties of single and mixed Maltodextrin - Milk protein systems
Research output: Research - peer-review | Journal article – Annual report year: 1996

Applications of Biopolymers - Theory and Practice
Research output: Research - peer-review | Book chapter – Annual report year: 1995

A Recent Advance in the Application of Blending Laws in Mixed Biopolymer Systems
Research output: Research - peer-review | Journal article – Annual report year: 1995

A Rheological Study of the Application of Carbohydrate-Protein Incompatibility to the Development of Low Fat Commercial Spreads
Research output: Research - peer-review | Journal article – Annual report year: 1995

Characterisation of a Commercial Soy Isolate by Physical Techniques
Research output: Research - peer-review | Journal article – Annual report year: 1995

Preparation and Analysis of Water Continuous Very Low Fat Spreads
Research output: Research - peer-review | Journal article – Annual report year: 1995

Structural Properties of single and mixed Milk / Soya Protein Systems
Research output: Research - peer-review | Journal article – Annual report year: 1993

Projects:

PROBIO - Bioencapsulation of Bioingredients
Project: Research

Experimental project in physics and nanotechnology: Cryo SEM Characterization of Food NMS Containing PUFA
Project: Research

Consistent Scale-up of the Freeze-drying Process
Project: PhD

StrueSat - How structure affects satiety
Project: PhD

An improved physical understanding of the production of extruded fish feed will enable an optimized raw material utilization (ImProFeed)
Project: PhD

Biosurface and biotribological properties of mucins and mucus gels
Project: PhD

Characterisation of the tribological and rehological properties between mucin/mucus and viscoelastic food systems
Project: PhD
Process development: Enzymatic upgrading of pectin from sugar beet pulp
Project: PhD

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

Functional Biopolymer Nanostructures for Bioengineering Applications
Project: PhD

Development of omega-3 nanodelivery systems using electrospinning processing
Project: Research

Nanodelivery systems for urine bladder tissue engineering applications
Project: Research

Functional Biopolymer Nanostructures for Bioengineering Applications
Project: Research

Functional Electrospun Nanostructures and Microstructures for Food and Bioengineering Applications
Project: Research

Fotoaktive nano-membraner til rensning af spildevand i mejerindustrien
Project: Research

Photo-catalytic nano-membranes for waste water treatment system in the dairy industry
Project: Research

Activities:

The electrospinning of xanthan gum: from solution to nanofiber formation
Activity: Talks and presentations › Conference presentations

Hybrid hydrogels by the co-assembly of chitosan with phospholipids
Activity: Talks and presentations › Conference presentations

Hybrid hydrogels by the co-assembly of chitosan with phospholipids
Activity: Talks and presentations › Conference presentations