Research outputs:

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

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

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

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

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

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

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

Influence of temperature on the photodegradation process using Ag-doped TiO2 nanostructures: Negative impact with the nanofibers
Research output: Contribution to conference › Conference abstract for conference – Annual report year: 2014 › Research › peer-review

Influences of Morphology and Doping on the Photoactivity of TiO2 Nanostructures
Research output: Chapter in Book/Report/Conference proceeding › Book chapter – Annual report year: 2014 › Research › peer-review

A simple approach for synthesis, characterization and bioactivity of bovine bones to fabricate the polyurethane nanofiber containing hydroxyapatite nanoparticles
Research output: Contribution to journal › Journal article – Annual report year: 2012 › Research › peer-review

Oxidative stress-mediated cytotoxicity and apoptosis induction by TiO2 nanofibers in HeLa cells
Research output: Contribution to journal › Journal article – Annual report year: 2012 › Research › peer-review

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: Contribution to journal › Journal article – Annual report year: 2012 › Research › peer-review

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

Titanium Dioxide Nanofibers and Microparticles Containing Nickel Nanoparticles
Research output: Contribution to journal › Journal article – Annual report year: 2012 › Research › peer-review

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

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

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

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

Fabrication of poly(caprolactone) nanofibers containing hydroxyapatite nanoparticles and their mineralization in a simulated body fluid
Research output: Contribution to journal › Journal article – Annual report year: 2011 › Research › peer-review

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

Nanobiotechnology approach to fabricate polycaprolactone nanofibers containing solid titanium nanoparticles as future implant materials
Research output: Contribution to journal › Journal article – Annual report year: 2011 › Research › peer-review

Point-Bonded electrospun polystyrene fibrous mats fabricated via the addition of poly (butylacrylate) adhesive
Research output: Contribution to journal › Journal article – Annual report year: 2011 › Research › peer-review

Polyurethane nanofibers containing copper nanoparticles as future materials
Research output: Contribution to journal › Journal article – Annual report year: 2011 › Research › peer-review

Synthesis and characterization of bovine femur bone hydroxyapatite containing silver nanoparticles for the biomedical applications
Research output: Contribution to journal › Journal article – Annual report year: 2011 › Research › peer-review

Effects of silver content and morphology on the catalytic activity of silver-grafted titanium oxide nanostructure
Research output: Contribution to journal › Journal article – Annual report year: 2010 › Research › peer-review

Boron Nitride Nanofibers by the Electrospinning Technique
Research output: Contribution to journal › Journal article – Annual report year: 2010 › Research › peer-review

CoNi Bimetallic Nanofibers by Electrospinning: Nickel-Based Soft Magnetic Material with Improved Magnetic Properties
Research output: Contribution to journal › Journal article – Annual report year: 2010 › Research › peer-review

Electronic characterization and photocatalytic properties of TiO2/CdO electrospun nanofibers
Research output: Contribution to journal › Journal article – Annual report year: 2010 › Research › peer-review

Electrospun Titanium Dioxide Nanofibers Containing Hydroxyapatite and Silver Nanoparticles as Future Implant Materials
Research output: Contribution to journal › Journal article – Annual report year: 2010 › Research › peer-review

Fabrication of titanium dioxide nanofibers containing hydroxyapatite nanoparticles
Research output: Contribution to journal › Journal article – Annual report year: 2010 › Research › peer-review

Fabrication of titanium oxide nanofibers containing silver nanoparticles
Research output: Contribution to journal › Journal article – Annual report year: 2010 › Research › peer-review

Functionalization of Electrospun Titanium Oxide Nanofibers with Silver Nanoparticles: Strongly Effective Photocatalyst
Research output: Contribution to journal › Journal article – Annual report year: 2010 › Research › peer-review
Gallium arsenide (GaAs) nanofibers by electrospinning technique as future energy server materials
Research output: Contribution to journal › Journal article – Annual report year: 2010 › Research › peer-review

Photocatalytic activity of ZnO-TiO2 Hierarchical nanostructure prepared by combined electrospinning and hydrothermal techniques
Research output: Contribution to journal › Journal article – Annual report year: 2010 › Research › peer-review

Physiochemical characterizations of electrospun (ZnO-GeO2) nanofibers and their optical properties
Research output: Contribution to journal › Journal article – Annual report year: 2010 › Research › peer-review

Polymeric nanofibers containing solid nanoparticles prepared by electrospinning and their applications
Research output: Contribution to journal › Journal article – Annual report year: 2010 › Research › peer-review

Self synthesize silver nanoparticles in/on polyurethane nanofibers: Nanobiotechnological approach
Research output: Contribution to journal › Journal article – Annual report year: 2010 › Research › peer-review

Silver Nanofibres by a Novel Electrospinning Process: Nanofibres with Plasmon Resonance in the IR Region and Thermal Hysteresis Electrical Conductivity Features
Research output: Contribution to journal › Journal article – Annual report year: 2010 › Research › peer-review

Titanium oxide nanofibers attached to zinc oxide nanobranches as a novel nanostructure for lithium ion batteries applications
Research output: Contribution to journal › Journal article – Annual report year: 2010 › Research › peer-review

Core-Sheath typed gallium arsenide/PVA composite nanofiber and method of manufacturing the same

Effects of silver content and morphology on the catalytic activity of silver-grafted titanium oxide nanostructure
Research output: Contribution to conference › Paper – Annual report year: 2009 › Research › peer-review

Electrospun Antimicrobial Polyurethane Nanofibers Containing Silver Nanoparticles for Biotechnological Applications
Research output: Contribution to journal › Journal article – Annual report year: 2009 › Research › peer-review

Functionalization of Electrospun Titanium Oxide Nanofibers with Silver Nanoparticles: Strongly Effective Photocatalyst
Research output: Contribution to conference › Paper – Annual report year: 2009 › Research › peer-review
Functionalization of Electrospun Titanium Oxide Nanofibers with Silver Nanoparticles: Strongly Effective Photocatalyst
Research output: Contribution to conference › Paper – Annual report year: 2009 › Research › peer-review

Novel self-assembled amphiphilic poly(ε-caprolactone)-grafted-poly(vinyl alcohol) nanoparticles: hydrophobic and hydrophilic drugs carrier nanoparticles
Research output: Contribution to journal › Journal article – Annual report year: 2009 › Research › peer-review

Photocatalytic activity of ZnO-TiO2 Hierarchical nanostructure prepared by combined electrospinning and hydrothermal techniques
Research output: Contribution to conference › Poster – Annual report year: 2009 › Research › peer-review

Preparation of nanofibers consisting of MnO/Mn3O4 by using the electrospinning technique: Nanofibers do have two band gap energies
Research output: Contribution to journal › Journal article – Annual report year: 2009 › Research › peer-review

Spider-net within the N6, PVA and PU electrospun nanofiber mats using salt addition: Novel strategy in the electrospinning process
Research output: Contribution to journal › Journal article – Annual report year: 2009 › Research › peer-review

Synthesis of polyvinyl alcohol (PVA) nanofibers incorporating hydroxyapatite nanoparticles as future implant materials
Research output: Contribution to journal › Journal article – Annual report year: 2009 › Research › peer-review

Zinc oxide-titanium oxide nanofibers and method of manufacturing the same

Nanofiber web with network structure and method of manufacturing

Physiochemical characterizations of nano-belts consisting of three mixed oxides (Co3O4, CuO and MnO2) prepared by electrospinning technique
Research output: Contribution to conference › Paper – Annual report year: 2008 › Research › peer-review

Physiochemical characterizations of nanobelts consisting of three mixed oxides (Co3O4, CuO and MnO2) prepared by electrospinning technique
Research output: Contribution to conference › Paper – Annual report year: 2008 › Research › peer-review

Physiochemical characterizations of nanobelts consisting of three mixed oxides (Co3O4, CuO, and MnO2) prepared by electrospinning technique
Silver doped electrospun Titanium Oxide Nanofibers Strongly Effective Photocatalyst
Research output: Contribution to conference › Poster – Annual report year: 2008 › Research › peer-review

Surface plasmon resonances, optical properties and electrical conductivity thermal hysteresis of silver nanofibers produced by electrospinning technique
Research output: Contribution to journal › Journal article – Annual report year: 2008 › Research › peer-review

Mixed oxide consisting of three mixed oxides (Co3O4, CuO and MnO2) prepared by electrospinning technique
Research output: Contribution to conference › Poster – Annual report year: 2007 › Research › peer-review

Projects:

Fotoaktive nano-membraner til rensning af spildevand i mejeriindustrien
Kanjwal, M. A., Chronakis, I. S., Barakat, N., Yong, K. H. & Thomsen, P.
Independent Research Fund Denmark
01/01/2014 → 31/12/2015
Project: Research

Photo-catalytic nano-membranes for waste water treatment system in the dairy industry
Kanjwal, M. A., Chronakis, I. S., Barakat, N., Yong, K. H. & Thomsen, P.
01/01/2014 → 31/12/2015
Project: Research

Activities:

Electrospinning, Principles, Possibilities and Practice 2013
Muzafar Ahmad Kanjwal (Speaker)
5 Dec 2013 → 6 Dec 2013
Activity: Talks and presentations › Conference presentations