Research outputs:

**Glycerol-silicone foams - Tunable 3-phase elastomeric porous materials**
Research output: Research - peer-review › Journal article – Annual report year: 2019

**Advanced Wound Care Adhesives with New Functional Properties**
Research output: Research - peer-review › Conference abstract for conference – Annual report year: 2018

**Advanced Wound Care Adhesives with New Functional Properties**
Research output: Research - peer-review › Conference abstract for conference – Annual report year: 2018

**Advanced Wound Care Adhesives with New Functional Properties**
Research output: Research - peer-review › Poster – Annual report year: 2018

**Deeper Insight into the Dielectric Breakdown of Elastomers**
Research output: Research - peer-review › Conference abstract for conference – Annual report year: 2018

**Designing reliable silicone elastomers for high temperature applications**
Research output: Research - peer-review › Conference abstract for conference – Annual report year: 2018

**Designing reliable silicone elastomers for high-temperature applications**
Research output: Research - peer-review › Journal article – Annual report year: 2018

**Glycerol-silicone elastomers as active matrices with controllable release profiles**
Research output: Research - peer-review › Journal article – Annual report year: 2018

**Glycerol-silicone elastomers as active membranes for wound dressings and beyond**
Research output: Research - peer-review › Conference abstract for conference – Annual report year: 2018

**Glycerol-silicone elastomers – current status and perspectives**
Research output: Research - peer-review › Conference abstract for conference – Annual report year: 2018

**Insight into the Dielectric Breakdown of Elastomers**
Research output: Research - peer-review › Conference abstract for conference – Annual report year: 2018
Silicone elastomers and their preparation and use
Research output: Research › Patent – Annual report year: 2018

Thermal degradation mechanisms of silicone elastomer
Research output: Research - peer-review › Conference abstract for conference – Annual report year: 2018

A simple method for reducing inevitable dielectric loss in high-permittivity dielectric elastomers
Research output: Research - peer-review › Journal article – Annual report year: 2016

Glycerol as high-permittivity liquid filler in dielectric silicone elastomers
Research output: Research - peer-review › Journal article – Annual report year: 2016

Glycerol as high-permittivity liquid filler in dielectric silicone elastomers
Research output: Research - peer-review › Poster – Annual report year: 2017

Green silicone elastomer obtained from a counterintuitively stable mixture of glycerol and PDMS
Research output: Research - peer-review › Journal article – Annual report year: 2016

Novel high dielectric constant hybrid elastomers based on glycerol-insilicone emulsions
Research output: Research - peer-review › Article in proceedings – Annual report year: 2016

Mechanically invisible encapsulations

Preparing mono-dispersed liquid core PDMS microcapsules from thiol–ene–epoxy-tailored flow-focusing microfluidic devices
Research output: Research - peer-review › Journal article – Annual report year: 2015

Novel encapsulation technique for incorporation of high permittivity fillers into silicone elastomers
Research output: Research - peer-review › Article in proceedings – Annual report year: 2014

Reinforced poly(propylene oxide)- a very soft and extensible dielectric electroactive polymer
Goswami, K., Galantini, F., Mazurek, P. S., Daugaard, A. E., Gallone, G. & Skov, A. L. 2013 In : Smart Materials and Structures. 22
Research output: Research - peer-review › Journal article – Annual report year: 2013

Projects:

Advanced wound care adhesives with new functional properties
Chiaula, V., Skov, A. L., Mazurek, P. S., Nielsen, A. C., Tornøe, J. & Tornøe, J.
Industrial PhD
01/08/2017 → 31/07/2020
Mechanically invisible encapsulations
Institut stipendie (DTU) Samf.
15/12/2012 → 14/03/2016

Activities:

Novel high dielectric constant hybrid elastomers based on glycerol-in-silicone emulsions
Mazurek, P. S. (Lecturer)
3 Jul 2016 → 7 Jul 2016
Activity: Talks and presentations › Conference presentations

Glycerol as high-permittivity liquid filler in dielectric silicone elastomers
Mazurek, P. S. (Speaker)
14 Jun 2016 → 15 Jun 2016
Activity: Talks and presentations › Conference presentations

Training School on Dielectric Elastomer Transducers 2015
Mazurek, P. S. (Participant)
8 Sep 2015 → 10 Sep 2015
Activity: Attending an event › Participating in or organising workshops, courses, seminars etc.

International Conference on Electromechanically Active Polymer (EAP) Transducers & Artificial Muscles
Mazurek, P. S. (Participant)
9 Jun 2015 → 10 Jun 2015
Activity: Attending an event › Participating in or organising a conference

Nordic Polymer Days 2015
Mazurek, P. S. (Participant)
1 Jun 2015 → 3 Jun 2015
Activity: Attending an event › Participating in or organising a conference

ESNAM Training School on Ionic Artificial Muscles
Mazurek, P. S. (Participant)
29 Oct 2013 → 31 Oct 2013
Activity: Attending an event › Participating in or organising workshops, courses, seminars etc.

4th Laboratory Course on Dielectric Spectroscopy
Mazurek, P. S. (Participant)
20 May 2013 → 24 May 2013
Activity: Attending an event › Participating in or organising workshops, courses, seminars etc.