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
<table>
<thead>
<tr>
<th>Title</th>
<th>Research Output:</th>
<th>Annual report year:</th>
</tr>
</thead>
<tbody>
<tr>
<td>A simple method for reducing inevitable dielectric loss in high-permittivity dielectric elastomers</td>
<td>Research - peer-review ∪ Journal article</td>
<td>2016</td>
</tr>
<tr>
<td>Glycerol as high-permittivity liquid filler in dielectric silicone elastomers</td>
<td>Research - peer-review ∪ Journal article</td>
<td>2016</td>
</tr>
<tr>
<td>Glycerol as high-permittivity liquid filler in dielectric silicone elastomers</td>
<td>Research - peer-review ∪ Poster</td>
<td>2017</td>
</tr>
<tr>
<td>Green silicone elastomer obtained from a counterintuitively stable mixture of glycerol and PDMS</td>
<td>Research - peer-review ∪ Journal article</td>
<td>2016</td>
</tr>
<tr>
<td>Novel high dielectric constant hybrid elastomers based on glycerol-insilicone emulsions</td>
<td>Research - peer-review ∪ Article in proceedings</td>
<td>2016</td>
</tr>
<tr>
<td>Mechanically invisible encapsulations</td>
<td>Research - Ph.D. thesis</td>
<td>2016</td>
</tr>
<tr>
<td>Preparing mono-dispersed liquid core PDMS microcapsules from thiol–ene–epoxy-tailored flow-focusing microfluidic devices</td>
<td>Research - peer-review ∪ Journal article</td>
<td>2015</td>
</tr>
<tr>
<td>Novel encapsulation technique for incorporation of high permittivity fillers into silicone elastomers</td>
<td>Research - peer-review ∪ Article in proceedings</td>
<td>2014</td>
</tr>
<tr>
<td>Reinforced poly(propylene oxide) - a very soft and extensible dielectric electroactive polymer</td>
<td>Research - peer-review ∪ Journal article</td>
<td>2013</td>
</tr>
</tbody>
</table>

**Projects:**

- **Advanced wound care adhesives with new functional properties**
  - Project: PhD

- **Mechanically invisible encapsulations**
  - Project: PhD

**Activities:**

- **Novel high dielectric constant hybrid elastomers based on glycerol-in-silicone emulsions**
  - Activity: Talks and presentations ∪ Conference presentations

- **Glycerol as high-permittivity liquid filler in dielectric silicone elastomers**
  - Activity: Talks and presentations ∪ Conference presentations

- **Training School on Dielectric Elastomer Transducers 2015**
  - Activity: Attending an event ∪ Participating in or organising workshops, courses, seminars etc.

- **International Conference on Electromechanically Active Polymer (EAP) Transducers & Artificial Muscles**
  - Activity: Attending an event ∪ Participating in or organising a conference
Nordic Polymer Days 2015
Activity: Attending an event › Participating in or organising a conference

ESNAM Training School on Ionic Artificial Muscles
Activity: Attending an event › Participating in or organising workshops, courses, seminars etc.

4th Laboratory Course on Dielectric Spectroscopy
Activity: Attending an event › Participating in or organising workshops, courses, seminars etc.