

## **Prof. Dr. Anthony SZYMCZYK**

49 y.o.



### **Current position**

Full Professor (University of Rennes 1, France).

### **Skills**

Membrane materials and processes.

Transport modelling and simulation.

Surface characterization.

Electrokinetic phenomena.

### **Education**

2005: Habilitation thesis (French H.D.R.).

1999: Ph.D. thesis in Physical Chemistry.

1996: Postgraduate degree in Physical Chemistry of Interfaces.

### **Scientific output - Bibliometric indicators**

148 peer-reviewed publications.

1 book (Editor): Surface Electrical Phenomena in Membranes and Microchannels. Transworld Research Network, 2008 (ISBN: 978-81-7895-326-7).

11 book chapters.

1 software: SEDE multi+ (IDDN.FR.001.490012.000.S.P.2019.000.30625).

130 oral communications (48 invited conferences, 12 keynotes and 6 plenary lectures).

H-index: 47 (Google Scholar – March 20<sup>th</sup>, 2023).

Citations: > 5k (Google Scholar – March 20<sup>th</sup>, 2023).

### **Responsibilities - Scientific commitments**

**Head of the Chemistry and Process Engineering group** (60 people, including 25 permanent staff) at the Institute of Chemical Sciences of Rennes (UMR CNRS 6226).

Permanent administrative secretary of the European Membrane Society (since 2013).

**President of the European Membrane Society (2019-2022).**

Vice-president of the European Membrane Society (2013-2014).

Treasurer of the European Membrane Society (2011-2014)

Associate editor of *Journal of Membrane Science Letters* (launched by Elsevier in 2021).

Member of the editorial board of *Journal of Membrane Science* (IF: 10.53).

Member of the editorial board of *Separation and Purification Technology* (IF: 9.136).

Member of the organizing committee of international conferences:

- ✓ Euromembrane 2022 (20-24 November 2022, Sorrento, Italy).
- ✓ 37<sup>th</sup> EMS Summerschool (29 May – 3 June 2022, Alentejo, Portugal).

- ✓ 8<sup>th</sup> International conference on Organic Solvent Nanofiltration (14-16 March 2022, Rennes, France).
- ✓ 4<sup>th</sup> International Symposium on the Physics of Membrane Processes (29-30 September 2021, Rennes, France) – Chair of the conference.
- ✓ 2<sup>nd</sup> international symposium on Physics of Membranes Processes 2018 (2 September 2018, Bologna, Italy).
- ✓ Engineering with Membranes 2013 (3-7 September 2013, St Pierre d’Oléron, France).

Member of the scientific committee of the international conferences:

- ✓ ICOM 2023 (9-14 July 2023, Chiba, Japan).
- ✓ 38<sup>th</sup> EMS Summerschool (14-19 May 2023, Rome, Italy).
- ✓ 3<sup>rd</sup> Francofilt (10-12 May 2023, Fes, Morocco).
- ✓ IMSTEC 2022 (4-8 December 2022, Melbourne, Australia).
- ✓ Euromembrane 2022 (20-24 November 2022, Sorrento, Italy).
- ✓ Global Summit on Sustainable Science and Technology (15-16 September 2022, Kolkata, India).
- ✓ Euromembrane 2021 (28 November -2 December 2021, Copenhagen, Denmark).
- ✓ ICOM 2020 (7-11 December 2020, London, UK).
- ✓ MELPRO 2020 (8-11 November 2020, Prague, Czech Republic).
- ✓ Imagine Membrane 2019 (22-29 September 2019, Faial, Azores).
- ✓ FrancoFilt 2019 (22-25 September 2019, Hammamet, Tunisia).
- ✓ 6<sup>th</sup> International Conference on Pervaporation, Vapor Permeation, Gas Separation and Membrane Distillation (14-17 May 2019, Torun, Poland).
- ✓ Symposium International de Chimie des Polymères et Applications (23-25 February 2019, Taghit, Algeria).
- ✓ First International Symposium on Nanomaterials and Membrane Science for Health, Water, Energy and Environment (11-12 October 2018, Marrakech, Morocco).
- ✓ AMSIC 2 (29 July – 1 August 2018, Johannesburg, South Africa).
- ✓ Euromembrane 2018 (9-13 July 2018, Valencia, Spain).
- ✓ International Conference on Nano for Energy and Water (22-24 February 2017, Dehradun, India).
- ✓ Membrane Technologies for Water Treatment in Urban Centers and Small Communities (3-5 May 2016, Sfax, Tunisia).
- ✓ Advances in Membrane Water Treatment 2014 (24-29 August 2014, Busan, South Korea).
- ✓ ICOM 2014 (20-25 July 2014, Suzhou, China).
- ✓ Euromembrane 2012 (23-27 September 2012, London, UK).
- ✓ Advances in Membrane Water Treatment 2012 (26-30 August 2012, Seoul, South Korea).

Invited Professor (October 2018) at the Indian Institute of Technology of Roorkee (India): government programme GIAN (Global Initiative of Academic Networks).

Invited Professor (May 2015) at the University Nicolaus Copernicus (Torun, Poland): Faculty of Chemistry, Chair of Physical Chemistry and Physical Chemistry of Polymers.

Member of the international working group *Physics of Membrane Processes* (<http://physicsofmembranes.org/>)

International expert for the Research Council of Norway, Dutch Research Council, Romanian National Council for Scientific Research, Czech Science Foundation, Research Foundation – Flanders.

Participations in PhD and habilitation thesis juries: 62

### Teaching-related responsibilities

Co-head of the **Master degree QuaTrO** (Water Quality and Treatment) at the University of Rennes.

Co-head of **international relationships** at the chemistry department of the Rennes University Institute of Technology.

Co-head of study continuations at the chemistry department of the Rennes University Institute of Technology.

Member of the recruitment commission of the chemistry department of the Rennes University Institute of Technology.

Local coordinator of the Erasmus Lifelong Learning Programme – Higher Education with University Nicolaus Copernicus (Torun, Poland) - 2012-2014.

Local coordinator of the Erasmus + Programme with University Nicolaus Copernicus (Torun, Poland) - 2014-2021.

Local coordinator of the Erasmus + Programme with University NOVA (Lisboa, Portugal) - 2017-2021.

### Distinctions and awards

2013 - *IUPAC distinguished Award* for work on ionic transport through nanoporous membranes (<http://www.cnrs.fr/CNRS-Hebdo/bretagne-paysdeloire/actus.php?numero=7921>).

2008 - Recipient of “*Allocation d’Installation Scientifique Rennes Métropole*” (40 000 €).

2000 – Award for *Best Ph.D. thesis* of the University of Franche-Comté and the University of Bourgogne - France.