

Curriculum vitae Dagmar R. D'hooge (last updated 10 February 2022)

CURRENT POSITIONS

- 2016 Associate Professor on Polymer Engineering and technology, Ghent University, Belgium
2017 Visiting Associate Professor, *Materials Science & Engineering* Stanford University, USA

PREVIOUS POSITIONS

- 2013 Assistant Professor, Faculty of Engineering and Architecture, Ghent University, Belgium
2013 Postdoctoral researcher: *Macromolecular Chem.* Karlsruhe Institute of Technology (KIT), Germany
2012 Postdoctoral researcher: FWO (National Science Foundation; Flanders)
2011 Postdoctoral researcher: *Macromolecular Eng. and Sci.* Carnegie Mellon University (CMU), USA
2010 PhD in Chemical Engineering, Ghent University, Belgium

FELLOWSHIPS AND AWARDS

- **19 cover articles**, including Nature Materials, Advanced Functional Materials, Macromolecules, React. Chem. Eng, Macromol. Rapid Commun., Polym. Chem., and Macromolecular Theory Simulations
- Editor's choice for MDPI publication addressing polymer composite design in 2022
- I&EC Review Award in 2021; and Outstanding Polym. Chem. Reviewer Award in 2019 & 2020
- **Jozef Plateau award** for promoting Master thesis on polymer engineering in 2016 & 2020
- Solvay Award for promoting Master thesis in 2007, 2011 & 2013
- leading young scientist recognition: special issue "Macromol. Rapid. Commun." in 2018
- **best of Macromolecular journals** ("top 9 out of 1300 manuscripts") in 2012, 2013, 2017 & 2018
- identified as "Rising Star in Polymer Engineering" by scientific committee of ISCRE 24 in 2016
- poster award at Annual Belgian Polymer Group meeting in 2013 & 2014
- National Science Foundation (FWO) postdoctoral research fellowship: 2 terms
- **Solvay award Chemistry** for Master thesis on suspension polymerization in 2006
- PhD scholarship at Agency for Innovation by Science and Technology Flanders in 2006: first ranking
- **ERC Starting grant runner-up** in 2015 (funded by NSF).

SUPERVISION & MENTORING

- Current situation: 3 postdocs and 14 PhD students;
- Alumni: 2 postdocs, 12 PhD and 35 Master thesis students

SUMMARY OF SCIENTIFIC OUTPUT, FUNDING AND VALORIZATION

- *Full length publications*: 142, 10 first author, 89 last/corresponding author, *h*-index (Web of Science): 30
- *Patents*: 2 granted on PP, 1 granted on PRE, and 2 in preparation on PP
- *Books*: 1 published; 1 in preparation on multi-scale modelling (invited; leading author); 1 edited (end 2022)
- *Book chapters*: 6 (invited); *Presentations at conferences/colloquia*: > 100; 15 invited (5 keynotes)
- Research funding since 2015: 12 M€
- Valorization in polymer engineering and processing: spin-off launch and SME material implementation

RECOGNITION BY PEERS

- *Prog. Polym. Sci.* (SCI-IF (2015): **27.2**) contribution in 2016; first & corresponding author; invited
- *J. Am. Chem. Soc.* contribution (SCI-IF (2016): **12.1**) in 2016; highlighted in Chemistry views
- 2 *Adv. Func. Mater.* contributions (SCI-IF (2017): **13.3**): 2018: cover; 2019: corresp. author & cover
- *Angew. Chem. Int. Ed.* contribution (SCI-IF (2017): **12.1**) in 2019; corresponding author
- *Nature Communications* contribution (SCI-IF (2018): **11.9**) in 2019; corresponding & last author
- *Macromolecules* perspective (SCI-IF (2018): **5.9**) in 2019; corresponding & last author; invited
- *Prog. Mater. Sci.* contribution (SCI-IF (2020): **31.6**) in 2020; corresponding author; highly cited WoS
- *Prog. Energy Combust. Sci.* contribution (SCI-IF (2020): **30.9**) in 2021; invited; highly cited WoS
- *Nature Materials* contribution (SCI-IF (2020): **43.8**) in 2021; corresponding & last author & cover

COMMISSIONS OF TRUST AND MEMBERSHIPS OF SCIENTIFIC SOCIETIES

- member of polymer division of International Union of Pure and Applied Chemistry (**IUPAC**) upon invitation; since 2013: currently involved in 3 projects
- evaluator for National Science Foundation (e.g. Canada, Swiss, the Netherlands; France) since 2013
- reviewer of Belgian PhD and industrial proposals on "Polymer Technology" since 2014: **25**
- frequent reviewer for "Polymer Science", "Chemical Eng.", "Rheology", and "Materials Science"
- advisory board member "Polymer Chemistry" since 2018
- guest editor and subsequent editorial board member of "Polymers" (SCI-IF: 4.3) since 2019
- editorial board member of "Scientific Reports" (Nature publishing group; SCI-IF: 4.3) since 2021