

Curriculum vitae Dagmar R. D'hooge (last updated October 2021)

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

- **ERC starting grant runner-up in 2015**
- **17 cover articles** including “Advanced Functional Materials (IF: 13)”, “Macromolecules (IF: 6)”, “Polymer Chemistry (IF: 5)”, *Macromol. Rapid. Commun.* (IF: 5), and “Reaction Chemistry & Engineering (IF: 4)”.
- Leading young scientist recognition: special issue “*Macromol. Rapid. Commun.*” in 2018
- Outstanding Polym. Chem. Reviewer award in 2019 and 2020; I&EC Review Awards in 2021
- **Best of Macromolecular journals** (top 9 out of 1300 manuscripts) in 2012, 2013, 2017, and 2018
- “Rising Star in Polymer Engineering” by the scientific committee of ISCRE 24 in 2016
- **Jozef Plateau award** Master thesis (promotor) in 2016 and 2020
- Poster award at Annual Belgian Polymer Group meeting in 2013 and 2014
- National Science Foundation (FWO) postdoctoral Research Fellowship in 2013
- PhD scholarship at Agency for Innovation by Science and Technology (IWT) Flanders in 2006
- **Solvay award** Chemistry in 2006 for Master thesis on suspension polymerization of vinyl chloride

SUPERVISION & MENTORING

Group members: 4 postdocs; 14 PhD students with 6 on “Chemical Engineering & Polymer Chemistry”, and 8 on “Materials Science & Polymer Processing”; 2 undergraduate students

Alumni: 12 PhD students (8 as supervisor & 4 providing daily guidance), 3 postdocs, and 33 undergraduate students

SUMMARY OF SCIENTIFIC OUTPUT & FUNDING

- **Full length research articles:** 128 (77 last/corresponding author); *h*-index: 28
- **Publications in 5 research fields:** Chemical engineering (31); (Fluid) Mechanics/rheology (5); General chemistry (8); Materials science (18); and Polymer science (66)
- **Book chapters:** 4; **Books:** 1 published; 1 in prep.: multi-scale modeling; invited & leading author
- **Presentations** at conferences, colloquia and workshops: > 100; 17 invited of which 4 keynotes
- **Patents:** 3 granted; 1 in preparation
- **Computer licenses** for multinationals and launch of spin-off Polinivo in Summer 2021
- Material **product development** commercialized by SME in 2021
- **Research funding since 2015:** 10.8 M€ (5.5 M€ as PI/Promotor; 3.6 M€ as co-PI; 1.7 M€ as partner)

RECOGNITION BY PEERS

- *Prog. Polym. Sci.* (SCI-IF (2015): **27.2**) contribution in 2016; first and corresponding author; invited
- *J. Am. Chem. Soc.* contribution in 2016 (SCI-IF (2016): **12.1**) highlighted in Chemistry views
- 2 *Adv. Func. Mater.* contributions (SCI-IF (2017): **13.3**): cover: 2018; corresponding author & cover: 2019
- *Angew. Chem. Int. Ed.* contribution (SCI-IF (2017): **12.1**); corresponding author; 2019
- *Nat. Comm.* contribution (SCI-IF (2017): **12.1**); corresponding and last author; 2019
- *Macromolecules* perspective (SCI-IF (2017): **5.9**); corresponding and last author; 2019; invited
- *Prog. Mater. Sci.* contribution (SCI-IF (2019): **31.6**): corresponding author; 2020
- *Prog. Energy Combust. Sci.* contribution (SCI-IF (2019): **29.0**); invited; 2021
- *Nat. Mater.* contribution (SCI-IF (2020): **43.8**): corresponding and last author; cover article; 2021

COMMISSIONS OF TRUST AND MEMBERSHIPS OF SCIENTIFIC SOCIETIES

- Editorial Board member Scientific Reports (Nature publishing group) since 2021
- Guest editor and editorial board member “Polymers” (ca. 25 manuscripts/year) since 2019
- Member of PRE working party **European Federation of Chemical Engineering** (EFCE) since 2019
- Advisory board member “**Polymer Chemistry**” journal since 2018
- Member of **Belgian Polymer Group** since 2014
- Reviewer of Belgian PhD and industrial proposals on “Polymer Technology” since 2014
- Member of **International Union of Pure and Applied Chemistry** (IUPAC) upon invitation since 2013
- Evaluator for e.g. National Science Foundation (Canada/Swiss/Holland) scholarships since 2013