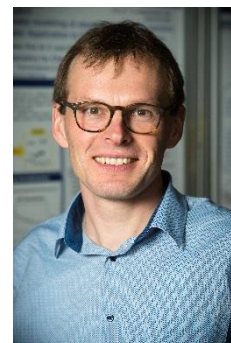


prof. dr. ir. Joris Thybaut

Personal Details

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First Name: Joris
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**Experience**

sep. 2022 – present Ghent University – Chemical Engineering Department

Senior Full Professor Catalytic Reaction Engineering

oct. 2005 – aug. 2022 Ghent University – Chemical Engineering Department

Assistant-Associate-Full Professor Catalytic Reaction Engineering

Summer 2010 Shell Technology Center Amsterdam

Sabbatical 'microkinetic modeling for commercial applications'

feb. 2003 – sept. 2005 Ghent University – Chemical Engineering Department

Doctor-Assistant

jun. 2003 – nov. 2003 Lyon University – Institut des Recherches sur la Catalyse (CNRS)

Post-Doctoral Apprenticeship

sep. 1998 – nov. 2002 Ghent University – Chemical Engineering Department

Assistant – PhD student**Education**

sep. 1998 – nov. 2002 Ghent University

- **PhD in Chemical Engineering**, 'Production of Low-Aromate Fuels: Kinetics and Industrial Application of Hydrocracking' Promoter: Prof. Dr. Ir. Guy B. Marin, defense November 22, 2002.

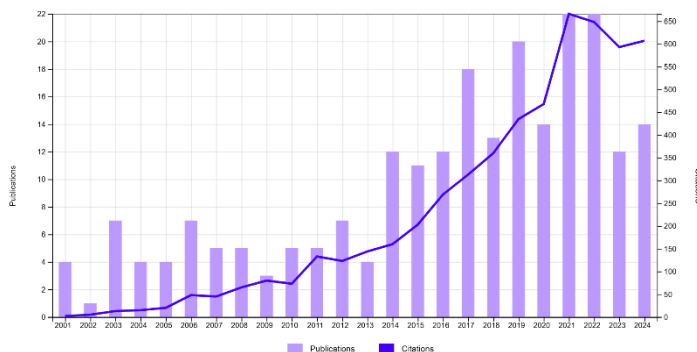
1993 – 1998 Ghent University

- **Master of Science in Chemical Engineering (Burgerlijk Scheikundig Ingenieur)** (high distinction).

Overview scientific output

generated using Web of Science Core Collection on December 13, 2024:

- A1 publications: 231
- h-index: 43
- average number of citations: 23.81
- author of 1 book (Elsevier) and 2 contributions in encyclopedias
- editor of 1 book (Royal Society of Chemistry)
- Supervisor of 36 PhD theses
- Selection of recent lectures:
 - key-note lecture at the 13th Natural Gas Conversion Symposium (April 21-25, 2024, Xiamen, China)
 - key-note lecture at 18th International Conference on Catalysis (July 14-19, 2024, Lyon, France),
 - invited lecture at KAUST research conference (April 28-30, 2025, Thuwal Saudi Arabia)



Full list of publication in the Ghent University Repository: <https://biblio.ugent.be/person/801001242061>

funding for projects, exceeding a common total budget of 10 M€, among others:

- Bilateral project with TotalEnergies on “Tailor-made high value Chemicals from Syngas feedstocks (SynOlefins)” 525 000 EUR (2023-2026)
- VLAIO Moonshot HYDROPLAST (coordinator): Hydroprocessing for Plastics Circularity 1.6 MEUR for UGent (total budget 2.8 MEUR).
- iBOF on lignin valorization via Reductive Catalytic Fractionation – NextBioRef, 536 000 EUR (2021-2024)
- EU-Horizon Europe e-CODUCT: Fast-response Electrically heated catalytic reactor technology for CO₂ reDUCTION 1032 000 EUR (2022-2025)
- InterReg France-Wallony-Flanders OBIWAN (coordinator): From organic bio-waste to chemicals: an integrated biochemical cycle with CO₂ recuperation 750 000 EUR for UGent (total budget 2.5 MEUR).

Services and other extra-curricular activities

- Chairman of CAMURE-12 & ISMR-11 in Ghent, September 8th-11th, 2024 <http://camure.ugent.be>
- Editorial board: ACS Engineering Au (advisory), Catalysts (Member, Catalytic Reaction Engineering Section), Green Carbon
- Regular organization of intensive courses such as ‘I2CM’ <http://www.sharpengineering.be/I2CM/> “From Idea to Innovation in Chemistry: Multiscale Assessment of Kinetics and Reactors” Villars-sur-Ollon, Switzerland, 2020; Ischia, Italy, 2023, Ghent, Belgium 2025.
- Programme Chair for Chemical Engineering and Material Sciences education at UGent (since 2009)
- Active STEM promoter via the workshop ‘fuel me up’ brought at events such as boetiek techniek, the science week, dag van de chemie/biotechnologie, see e.g. <https://www.youtube.com/watch?v=7JI8l5u5gDI&t=196s> (starting at 2’31”)
- Membership: ie-net: Flemish association of engineers (life member – since 1998); AIChE: American Institute for Chemical Engineers (since 2006); ACS: American Chemical Society (since 2016)
- Co-founder of ShARP Engineering bvba, a company focused on reaction and reactor engineering, about to become a spin-off from Ghent University, see <http://sharpengineering.be/>

