### Curriculum Vitae

## Cédric Van Goethem

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Experience	
05/2020 – present	Postdoctoral researcher – Ecole Polytechnique Fédérale de Lausanne
	Laboratory of Advanced Separations (LAS) – Prof. Kumar Varoon Agrawal
11/2019 – 04/2020	Postdoctoral researcher – Research Foundation Flanders, KU Leuven
	Centre for Membrane separation, Adsorption, Catalysis and Spectroscopy for Sustainable Solutions (cMACS), Membrane Technology Group – Prof. Ivo Vankelecom
	Project: 'Intrinsically microporous membranes for molecular separations'
	The project is funded by a Junior Postdoctoral fellowship from Research Foundation Flanders (FWO).
01/2019 – 10/2019	Postdoctoral Researcher – KU Leuven
	Centre for Membrane separation, Adsorption, Catalysis and Spectroscopy for Sustainable Solutions (cMACS), Membrane Technology Group – Prof. Ivo Vankelecom
	Project: 'Composite Metal-Organic Framework membrane development through spray-coating and simultaneous transmission and secondary electron imaging'
	The project was funded by a postdoctoral mandate (PDM) fellowship from KU Leuven.
09/2014 – 12/2018	PhD Researcher – KU Leuven
	Centre for Surface Chemistry and Catalysis (COK), Membrane Technology Group – Prof. Ivo Vankelecom
	Project: 'Preparation and characterization of novel thin-film nanocomposite and asymmetric nanofiltration membranes'
	The project was funded by a Strategic Basic Research PhD-fellowship from the Flemish Agency for Innovation through Science and Technology (IWT).
2009 – 2014	Lab Technician (student job) – Metallo Chimique
Education	
2014 – 2018	PhD in Bio-Science Engineering, KU Leuven
	Thesis: 'Preparation and characterization of novel thin-film nanocomposite and asymmetric nanofiltration membranes'
2012 – 2014	M.Sc. in Bio-Science Engineering, KU Leuven (magna cum laude)

Major: Surface Chemistry and Catalysis

Minor: Environmental Technology

Thesis: 'Fabrication of nano-structured isoporous MF/UF membranes using MOFs as

template leaching component'

As part of my thesis research I spent 3 months at the Zuckerberg Institute for Water Research (ZIWR), Ben-Gurion University of the Negev, Israel under supervision of Prof.

Roy Bernstein.

2009 – 2012 B.Sc. in Bio-Science Engineering, KU Leuven (cum laude)

Major: Surface Chemistry and Catalysis

Skills

Languages Dutch, English, French

Scientific Membrane, polymer and inorganic material synthesis; SEM, TEM, STEM, EDX, XRD, DSC,

TGA, FTIR, UV-vis, ICP, GC, HPLC, DMA, DLS, XRF, N2 sorption, zeta potential; project

writing

Software MS Office, Matlab, Graphical analysis, Adobe Lightroom

Leadership Guidance of PhD researchers (5), M.Sc. students (6), B.Sc. students (4)

#### **Awards**

**PhD scholarship** from the Flemish Agency for Innovation through Science and Technology (IWT, 2014).

**Best poster presentation award** from the European Membrane Society at the Organic Solvent Nanofiltration conference 2015, Antwerp.

**Travel grant** from the European Membrane Society to attend the Organic Solvent Nanofiltration conference 2017, St-Petersburg, Russia for an oral presentation.

Postdoctoral Mandate (PDM) from KU Leuven (2018).

Junior Postdoctoral fellowship from the Research Foundation Flanders (2019).

# Teaching experience

2019 – 2020 Practical: Characterization of Catalysts (B-KUL-I0W68A)

Design and coordination of membrane characterization part

2014 – 2019 Membrane technology: exercises (B-KUL-I0P97a)

- Teaching exercise sessions to groups of +/- 75 students
- Coordination of exercise sessions
- Coordination of laboratory sessions

#### **Publications**

Link to Google Scholar profile