

CURRICULUM VITAE – SANDRA VAN VLIERBERGHE



➤ PERSONAL INFORMATION

Family name, First name: Van Vlierberghe, Sandra

ORCID: [Sandra Van Vlierberghe \(0000-0001-7688-1682\)](https://orcid.org/0000-0001-7688-1682) - ORCID | [Connecting Research and Researchers](https://www.connecting-research.com)

Date of birth: 10/07/1981

Nationality: Belgian

URL for website: [Home - Polymer Chemistry and Biomaterials Group \(PBM\) \(pbmgent.eu\)](https://www.pbmgent.be)

➤ EDUCATION

2008 PhD: Sciences, Chemistry

Title of the dissertation: Cell-interactive biopolymer-based hydrogels designed for tissue engineering (Ghent University, Belgium) - PhD Supervisor: Prof. Dr. Em. Etienne Schacht

2003 Master: Sciences, Chemistry (Great distinction) (Ghent University, Belgium)

➤ CURRENT AND PREVIOUS POSITION(S)

2017 – Ongoing BOF-ZAP, 100% Professor (permanent position)

Department of Organic and Macromolecular Chemistry, Ghent University, Belgium

2014 – Ongoing ZAP, 10% Professor

Department of Applied Physics and Photonics, Vrije Universiteit Brussel, Belgium

➤ FELLOWSHIPS AND AWARDS

2017 Jean Leray Award, European Society for Biomaterials

2016 – 2017 Invited professor, Université des Sciences et Technologies de Lille 1, Miniaturisation pour la Synthèse, l'Analyse et la Protéomique

2008 - 2015 FWO post-doctoral fellowship, Belgium

2003 – 2007 IWT PhD scholarship, Belgium

➤ SUPERVISION OF GRADUATE STUDENTS AND POSTDOCTORAL FELLOWS

2017 - Ongoing 3 Postdocs / 12 PhD Students (+ 5 PhD Students as co-promotor) / 1 Technician

2010 – 2018 10 defended PhDs / 40 graduated Master Thesis Students

➤ OTHER

2019 – Ongoing EU-TERMIS council member

2019 – Ongoing Editorial board member, Biomedical Materials

2019 – Ongoing Associate editor, Frontiers in Bioengineering and Biotechnology

2018 – Ongoing Founding board member, GATE, Belgium

2018 – Ongoing Founding board member and secretary, Belgian Society for Tissue Engineering (BSTE)

2018 – Ongoing European Science Foundation College of Experts

2018 – Ongoing QS Intelligence Unit (QSIU), University of Bucharest, Romania

2018 – Ongoing Editorial Board, BMC Biomedical Engineering

2016 – Ongoing Associate Editor, Journal of Materials Science: Materials in Medicine

2016 – Ongoing Treasurer, Belgian Polymer Group, Belgium

2014 – Ongoing Editorial Board, the Biomaterials Network

2011 – 2018 YSF Board (spokesperson), European Society for Biomaterials

➤ EXECUTIVE SUMMARY

Sandra Van Vlierberghe was granted a full-time professorship at UGent in 2017 and holds a 10% research professorship at VUB. She has acquired expertise related to the synthesis, the modification and the processing (through additive manufacturing and electrospinning) of a variety of (bio)polymers including thermoplasts (e.g. polyesters) and hydrogels (e.g. proteins and polysaccharides) in the field of regenerative medicine. She authored more than **165 Web of Science Core Collection cited papers** of which >130 high impact journal papers. In addition, she also authored more than 200 conference abstracts. She has a **h-index of 33** (WoS) and is (co-)promoter of 17 PhD's (in addition to 10 defended PhD's), she **edited four books, authored 7 chapters in books** of which 5 invited and was invited speaker at 14 international conferences and keynote as well as plenary speaker at respectively 4 and 3 international conferences. She is treasurer of the Belgian Polymer Group (BPG), she was spokesperson of the YSF and she is secretary of the Belgian Society for Tissue Engineering (BSTE). Since January 2019, she was elected as TERMIS-EU council member. She also serves on the Independent Awards Committee from ESB since 2020. Sandra is also editorial board member of the Biomaterials Network, associate editor of Journal of Materials Science: Materials in Medicine, academic guest editor of Materials, editorial advisory board member of Hydrogels and editorial board member of Journal of Nanomedicine and Nanotechnology and Journal of Applied Biomaterials and Functional Materials. She has also been active in project reviewing (e.g. 3x panel member of ERC StG, Academy of Finland, etc.). In 2017, she received the Jean Leray Award from the European Society for Biomaterials. She is co-inventor of 8 patent applications of which 5 are currently being valorized in the framework of **2 spin-off projects** (Xpect-INX ([Xpect-Inx | Your Support in Bioprinting \(xpect-inx.com\)](https://www.xpect-inx.com)) and GelGraft Medical. She currently is involved in several national (VLAIO, FWO, BOF, IOF) and EU (FET-Open, Interreg NWE, Interreg 2Seas, Interreg FWVL, Interreg VLNL) and raised 2.5 million € project funding in 2020 in the field of biomaterials.

Sandra Van Vlierberghe
Professor Doctor

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ESB council

Ref.: Letter of application of the nominee

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Ghent University
Krijgslaan 281, S4-Bis
9000 Ghent
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www.ugent.be

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DATE

20 January 2021

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Dear ESB council members,

Via this way, I would like to apply for the ESB council elections 2021. During the past years, I have been active in polymer-based biomaterial development of which some developments resulted in IP filing and spin-off trajectories (one on bioinks for biofabrication purposes – [Xpect-Inx | Your Support in Bioprinting \(xpect-inx.com\)](http://xpect-inx.com) - and one on a gelatin-based filler for breast reconstruction and lipofilling applications). I therefore have experience both with research and translational aspects of biomaterials. Since my permanent appointment at UGent, I managed to further expand the research team, which resulted in a current number of 12 PhD students, 3 post-docs and 1 technician (all as main supervisor), in addition to 5 PhD students as co-promotor. I am currently active as board member of several national (BSTE, GATE) and international biomaterial-related initiatives (EU-TERMIS) and I am convinced that my experience could also be beneficial to support new ESB initiatives. In the past, I have also been very active in YSF (first as national chapter representative and afterwards as spokesperson). I therefore hope that my candidacy for the ESB elections can be accepted. Looking forward to your reply at your earliest convenience!

Yours sincerely,

Prof. Dr. Sandra Van Vlierberghe



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UNIVERSITY

