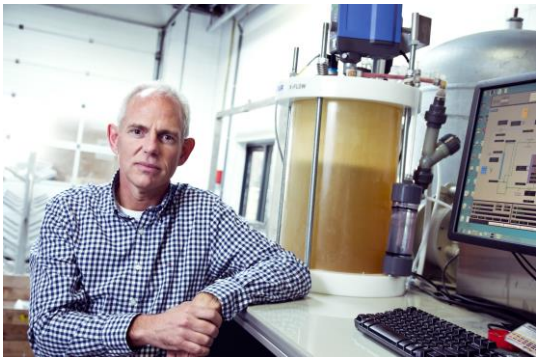
Curriculum vitae – H. (Harry) Futselaar, PhD, PDEng, MSc



1. Personal data

Surname:	Futselaar
Initials:	H.
Name:	Harry
Gender:	male
Nationality:	Dutch
Place of birth:	Zwolle (The Netherlands)
Driving license:	A + BE

2. Present address

Organisation:	Saxion University of Applied Sciences
Department:	School of Life science, Engineering & Design
Chair:	International Water Technology
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3. Education

1993: Chemical Engineering, University of Twente (The Netherlands)
PDEng-graduation Process Engineering of the Post-Graduate Process Development School

1988 – 1992: Chemical Engineering, University of Twente (The Netherlands)
PhD-graduation on the design, construction, process development of the transverse flow membrane module

1983 - 1988: Mechanical Engineering, University of Twente (The Netherlands)
MSc-graduation on the design of a pump-turbine system

1977 - 1983: Gymnasium Celeanum, Zwolle (The Netherlands)
Grammar school, highest secondary level within the Dutch educational system

4. Short CV

Harry Futselaar obtained a MSc-graduation in Mechanical Engineering, a PDEng in Process Engineering, and a PhD-graduation in Chemical Engineering at the University of Twente (The Netherlands).

He started his career in membrane filtration in 1988 and has a long track record in module, process and application development as well as basic engineering of systems in the field of water and wastewater treatment.

He is an experienced (project) manager in connecting parties in (subsidized) industrial and/or educational, research & development and (pilot-)demonstration projects.

His driving force and motivation are bridging innovation, market-driven and technology-push developments with adequate capacity building and implementation.

Since 2008, he is professor (lector) International Water Technology at Saxion University of Applied Sciences (Enschede, The Netherlands).

Some quotes from a management assessment (June 2012):
“In his way of working it is striking that he is extremely structured and flexible at the same … he is extremely driven, works very efficient and is committed to deliver good performance … his vision is strong … has a wide perspective … is also extremely innovative and can create new ideas, future options and opportunities …“

5. Career highlights:

Since 2008: Saxion University of Applied Sciences – Enschede (The Netherlands)
Professor International Water Technology, responsible for the coordination of the research lines focusing on:

- Water & Energy (anaerobic digestion, biogas production);
- Water & Materials (removal of micro pollutants, recovery of nutrients & bio-based materials);
- Water & Environment (Climate Resilient Cities, decentralization);
- Water & Awareness (SDG2030, capacity building).

Since 2013: grant advisor on parttime basis for SME-companies in order to carry-out demand-driven R&D-projects in cooperation with universities of applied sciences focused on technology validation and capacity building.

2014 - 2021: Saxion University of Applied Sciences – Enschede (The Netherlands)
Transfer manager of the School of Life science, Engineering & Design (LED)
as policy officer responsible for contacts between Saxion UAS/LED and companies.

2014 – 2017: Saxion University of Applied Sciences – Enschede (The Netherlands)
Chairman of the Program Council of the School of Life science, Engineering & Design (LED)
responsible for the development and introduction of the Living Technology project semester (since 2017 the Saxion Smart Solution - -3S- semester) integrating applied research & development and education through multidisciplinary projects.

2012 - 2013: Pentair Process Technologies – Water (The Netherlands)
Manager Strategic Innovation & Technology for the subsidiaries Pentair Water Process Technology B.V.; Pentair X-Flow B.V.; Pentair Filtrix B.V., responsible for bridging strategic innovation, market-driven and technology-push development.

2012: Pentair Water Process Technology B.V./X-Flow B.V.– Enschede (The Netherlands)
R&D manager Wastewater (ad-interim), responsible for research & development in the area of wastewater treatment.

2011: Pentair Water Process Technology B.V./X-Flow B.V.– Enschede (The Netherlands) (after the take-over of Norit CPT holding by Pentair Inc.)
Business & Technology Development manager, responsible for market and technology development in the areas of water and wastewater treatment.

2007 - 2011: Norit Process Technology B.V./X-Flow B.V.– Enschede (The Netherlands)
Business & Technology Development manager, responsible for market and technology development in the areas of water and wastewater treatment.

2004 - 2007: Wetsus, centre for sustainable water technology (The Netherlands)
Scientific project manager (part-time) related to MBR and Biofouling topics.

2000 - 2006: Norit Process Technology B.V./X-Flow B.V. (after the take-over of the STORK Business Unit Membranes)
Technology Development manager, responsible for process and application development and basic engineering related to the water & wastewater market.

1997 - 2000: Stork Friesland B.V., Business Unit Membranes (The Netherlands)
Special Projects manager, responsible for module, process, application and production development related to the water & wastewater market; project manager for the STAK (Stork-AkzoNobel) cooperation for the development of a capillary based ultrafiltration & nanofiltration product market combination.

1994 – 1996: Department of Chemical Engineering, University of Rio de Janeiro (Brazil)
Post-doc position; development & techno-economical evaluation of a new membrane module and system for the removal of volatile organic compounds (VOCs) from water by means of pervaporation.

6. Other positions (of interest):

- 2013-2018: member of the Advisory Board of the Top Sector Water - Human Capital
- 2012-2018: member of the steering committee of the Netherlands Water Partnership/ Human Capital Water & Delta (NWP/HCWD) – responsible for BSc-level (Dutch: HBO)
- 2012-2018: regional educational coordinator for the eastern part of the Netherlands within NWP/HCWD
- 2012-2013: member of the steering committee of the Top Sector Water - Human Capital
- 2010-2013: member of the European Water supply & sanitation Technology Platform (WssTP)
- 2010: member of the expert group of the regional TTOA (= Taskforce Technologie Onderwijs Arbeidsmarkt Twente)
- 2010: member of the steering committee of the KWTO (= Kenniscentrum Wetenschap & Techniek basisonderwijs regio Oost Nederland) of Hogeschool Edith Stein (Hengelo. The Netherlands)
- 2008-2012: member of the steering committee of the Process Technology VET program of the ROC of Twente (Hengelo/Enschede, the Netherlands); (VET = vocational education & training level)

7. Professional experience

• International patents:	6
• International publications:	> 25
• Speaker at international conferences	> 50
• Chair/co-chair at various international conferences	> 10
• Coordinator (inter)nationally subsidized research projects:	> 15

8. Relevant publications

1. Laura Alexandra Stănescu, Lăcrămioara Diana Robescu, Corina Boncescu, Harry Futselaar, Biochemical methane potential assay methodology for increased precision in yield estimation for low-end conditions, Proceedings of 2019 International Conference on ENERGY and ENVIRONMENT (CIEM), October 17-18.
2. Harry Futselaar, E-learning course & E-labs on 'Closing the NEW-resource cycle through a zero-emission water management system', ErasmusPlus project EnvYJobs, Augustus 2018.
3. Laura Alexandra Stănescu, Lăcrămioara Diana Robescu, Harry Futselaar, Biogas production modeling and simulation in low end conditions, Proceedings of 2017 International Conference on ENERGY and ENVIRONMENT (CIEM), October 19-20.
4. Ana Lucia Prieto, Harry Futselaar, Piet N.L. Lens,, Robert Bair, Daniel H.Yeh, Development and start-up of a gas-lift anaerobic membrane bioreactor (Gl-AnMBR) for conversion of sewage to energy, water and nutrients, Journal of Membrane Science 441 (2013) 158–167.
5. Harry Futselaar, Roy Rosink, Geo Smith, Lars Koens, The anaerobic MBR for sustainable industrial wastewater Management, Desalination and water treatment 51(4) (2010) 1-9.

9. Relevant (international) trainings provided

2021 – 2022	(to be planned) Vietnam – NUFFIC OKP: Draw-down project: strengthening capacity of Training and Research on Climate Change for sustainable water (re)use and high-value food production; in cooperation with NEU.
2021	Indonesia – Universitas Islam Indonesia: series of courses on recent developments in physical-chemical and biological (waste)water treatment.
2019 – 2020:	Vietnam – NUFFIC OKP: series of Refresher Course 'Sustainable water (re)use in urban environment'; in cooperation with TDTU, NEU and VNU.
2017 – 2018	India – NUFFIC TMT: series of courses 'Quenching the thirst for Increased Capabilities in Kerala to address Wastewater Issues through trusted Networks'.
2015 – 2018:	Romania/Italy/Greece – ErasmusPlus: series of training sessions within the course 'Environmental learning innovations for more knowledge and better jobs (EnvYJobs)'.
2014 – current:	South Africa – Ministry of Foreign Afffairs / Sustainable Water Fund: series of Technical Training for teachers, technical staff members and members of the School Governance Boards of primary and secondary schools in the framework of the project 'GreenSource South Africa – Sports for Water'.
2010 – 2012:	Oman - IPS-CROSS: courses for 'Oman-Dutch College for Water and (Geo)Sciences'
2010 – 2011:	Romania – Ministry of Economic Affairs – PIB: exchange projects as part of the project WATER WORKS in ROEMENIE

DE TWENTSCHE COURANT
Tubantia
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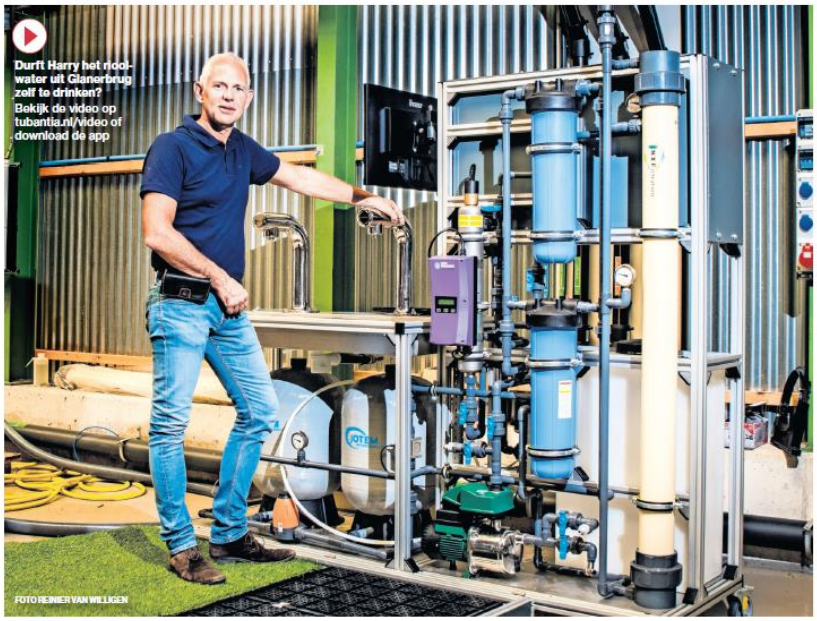

Heerlijk, helder (riool)water

Professor Harry Futselaar heeft een droom: zorgen voor voldoende water van goede kwaliteit over de hele wereld. Met de nieuwste Twentse innovaties moet dat kunnen.

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Xandro Schenk: 'FC Twente gaat de fans komend jaar verrassen'

Pagina 17

Let op: 1 op 20 jongeren slikt melatonine als slaapmutsje

NL & de Wereld