

Helofytenfilter-onderzoek bij de afdeling Milieutechnologie, Wageningen Universiteit

stowa

 **WAGENINGEN**
UNIVERSITY & RESEARCH

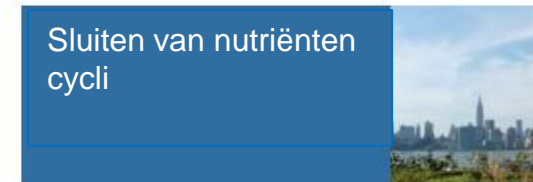
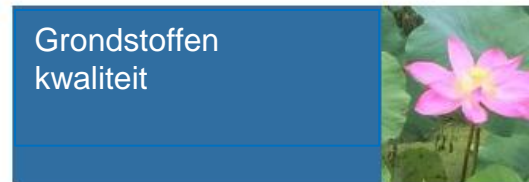
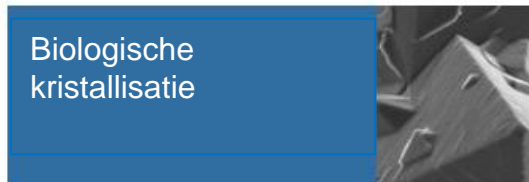
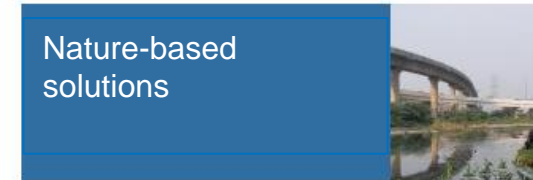
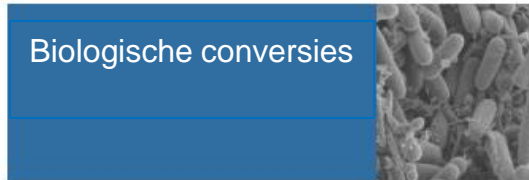
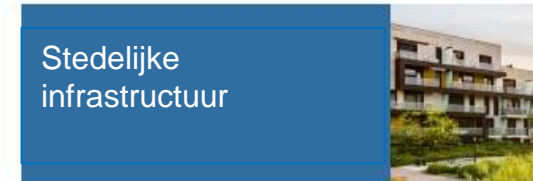
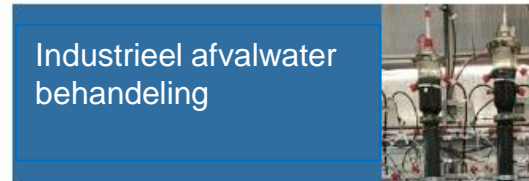
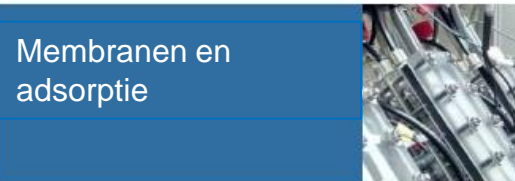
Thomas Wagner

5 oktober 2022



Afdeling Milieutechnologie

Onderzoeksthema's

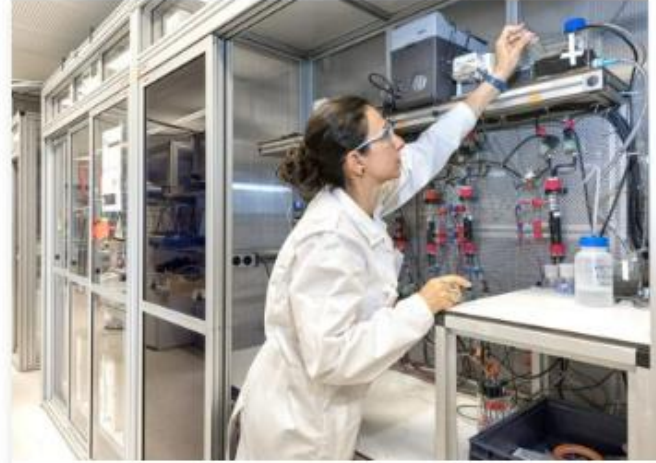


Afdeling Milieutechnologie – Afgeronde projecten



Project

Verwijdering van micro's uit RWZI- effluent met helofytenfilters



Project

Adsorptie en biodegradatie van micro's in actief-kool filters



Project

BO₃: Biologie + ozon voor verwijdering micro's

Afdeling Milieutechnologie – Lopende projecten

Removal mechanisms and determinants

Antibiotics
Absorption, Biodegradation

E.coli
Attachment, Predation

Determinants
HRT, Temperature, Granule size (Granules or Flocs)

Project

Antibiotica en antibiotica-resistentie in actief slib

Perfluorooctanoic acid (PFOA)

Perfluorooctane sulfonate (PFOS)

Project

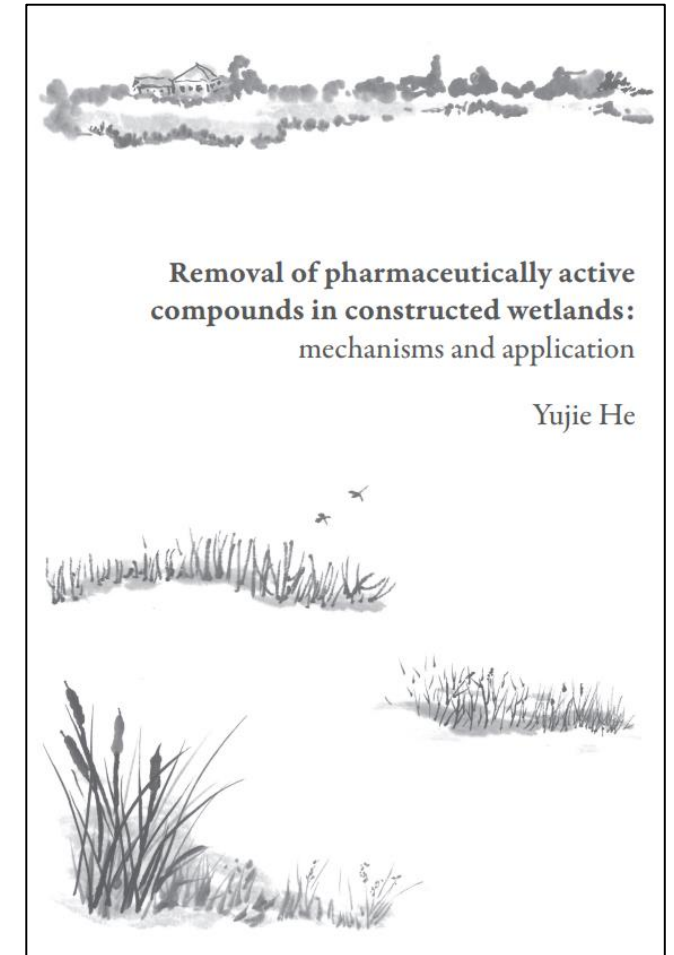
PFAS adsorptie tijdens drinkwater bereiding



Project

Micro-transformatie tijdens ondergrondse opslag van oppervlaktewater

Start helofytenfilter onderzoek: Yujie He



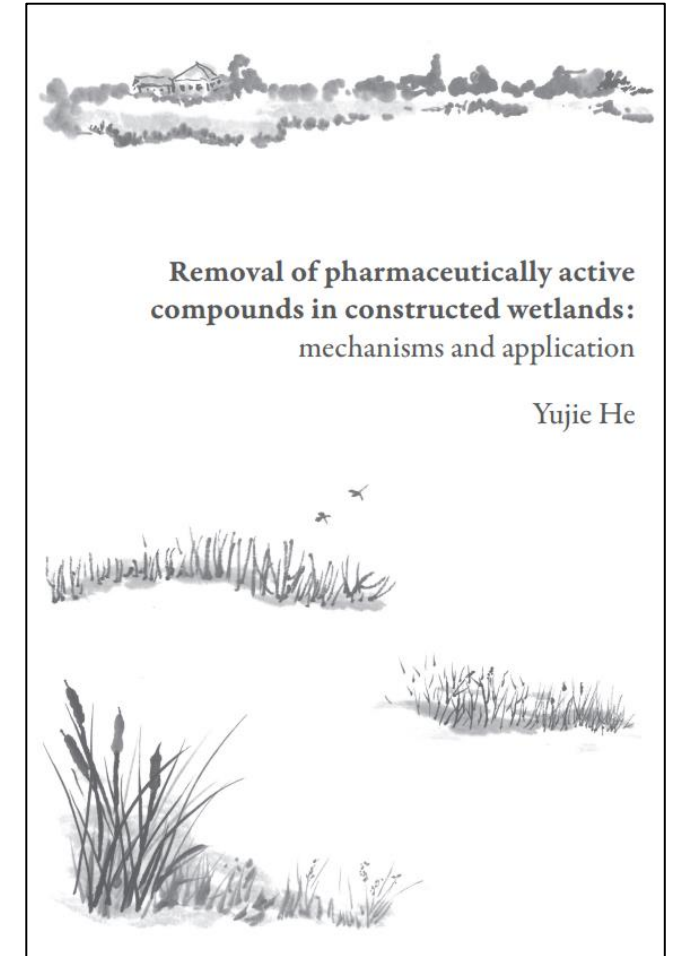
2017: <https://edepot.wur.nl/419681>

Helofytenfilter onderzoek – Yujie He



<https://doi.org/10.1016/j.scitotenv.2018.02.180>

<https://doi.org/10.1016/j.jhazmat.2018.05.035>

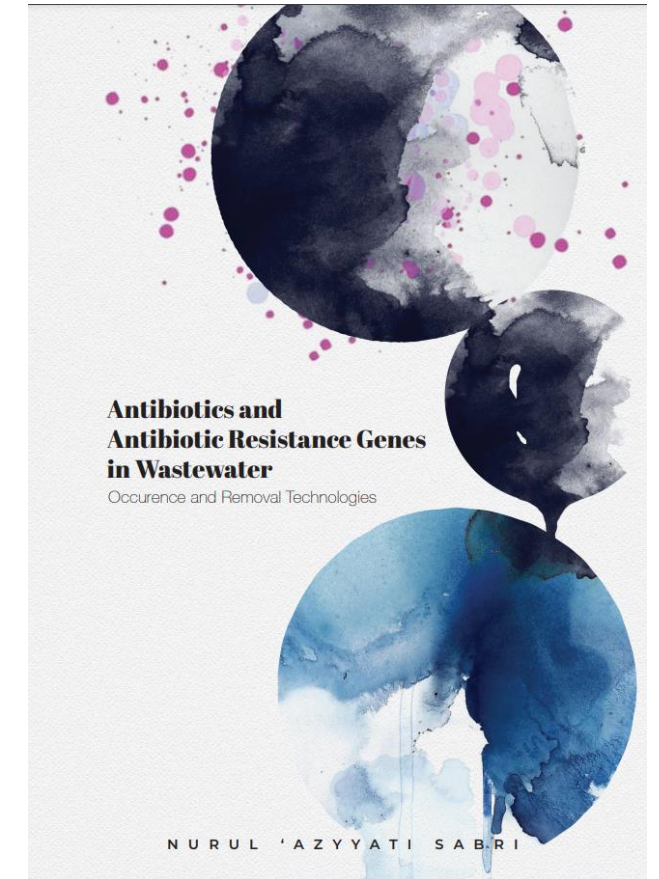


Removal of pharmaceutically active compounds in constructed wetlands:
mechanisms and application

Yujie He

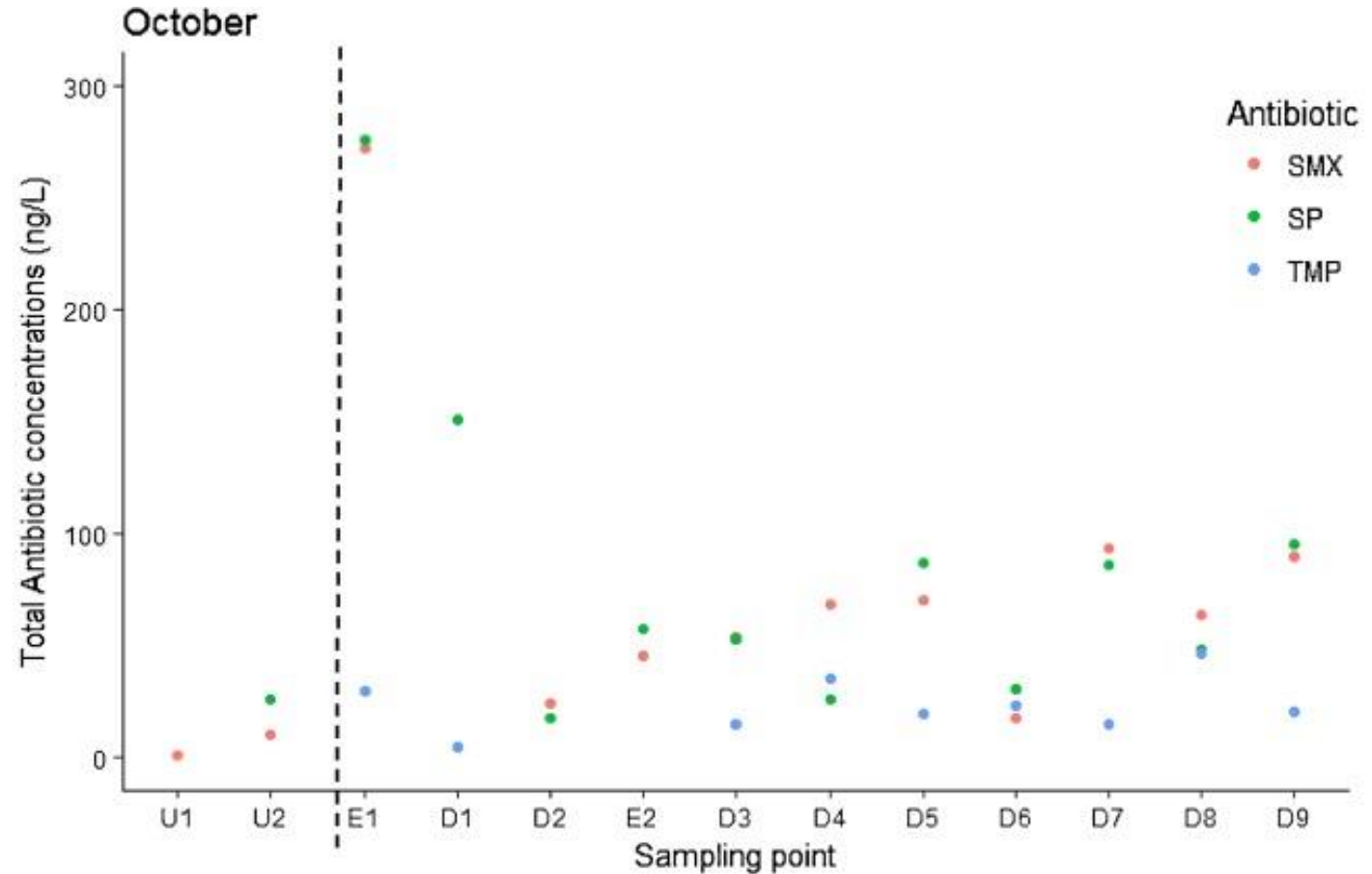
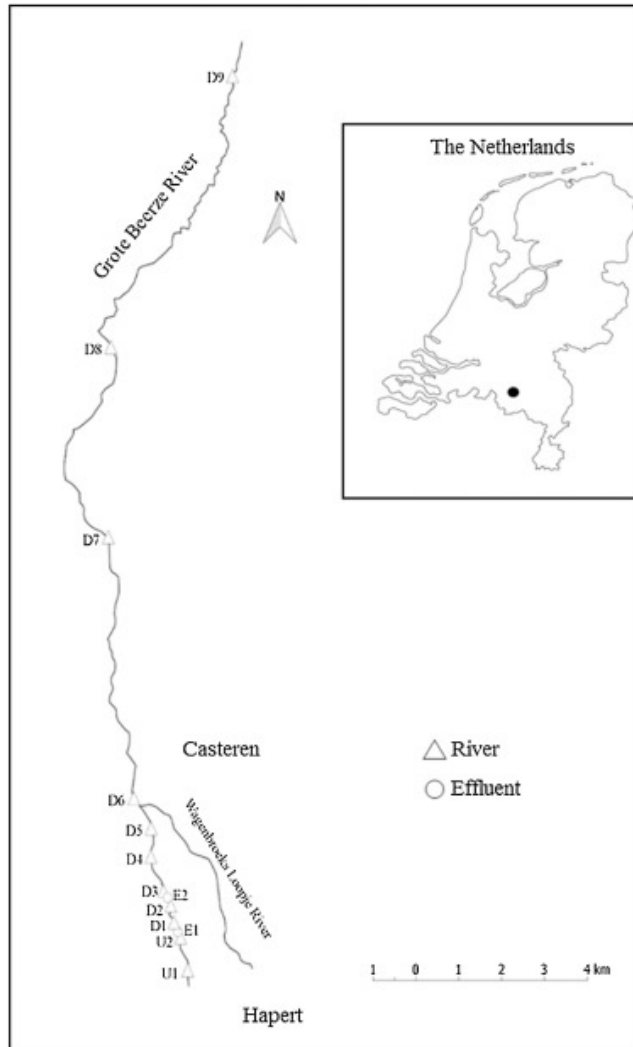
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Helofytenfilter onderzoek – Azie Nurul Sabri



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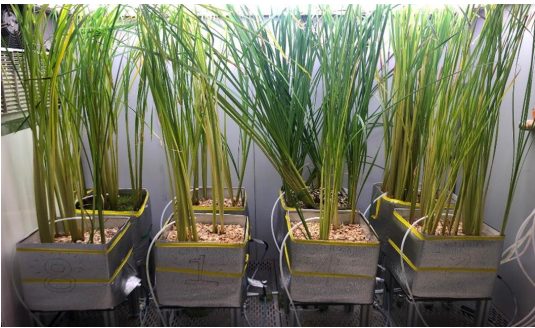
Helofytenfilter onderzoek – Nurul Sabri



Helofytenfilter onderzoek – Thomas Wagner



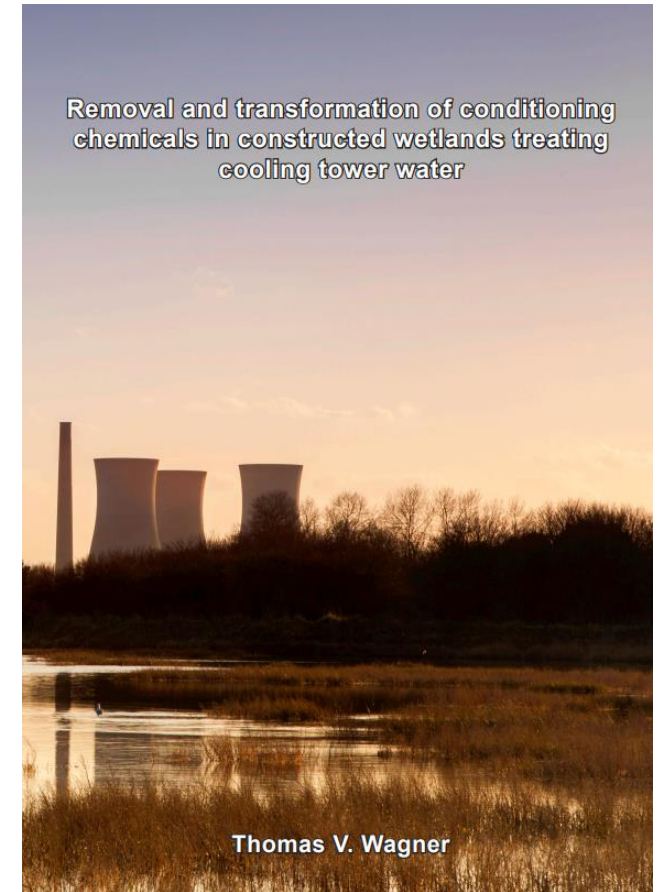
<https://doi.org/10.1016/j.jhazmat.2019.121314>



<https://doi.org/10.1007/s11356-020-10584-8>



<https://doi.org/10.1016/j.jenvman.2020.110972>



https://pure.uva.nl/ws/files/44874591/Thesis_complete_.pdf

Helofytenfilter onderzoek – Thomas Wagner



Helofytenfilter onderzoek – Yu Lei



<https://doi.org/10.1016/j.chemosphere.2021.130050>



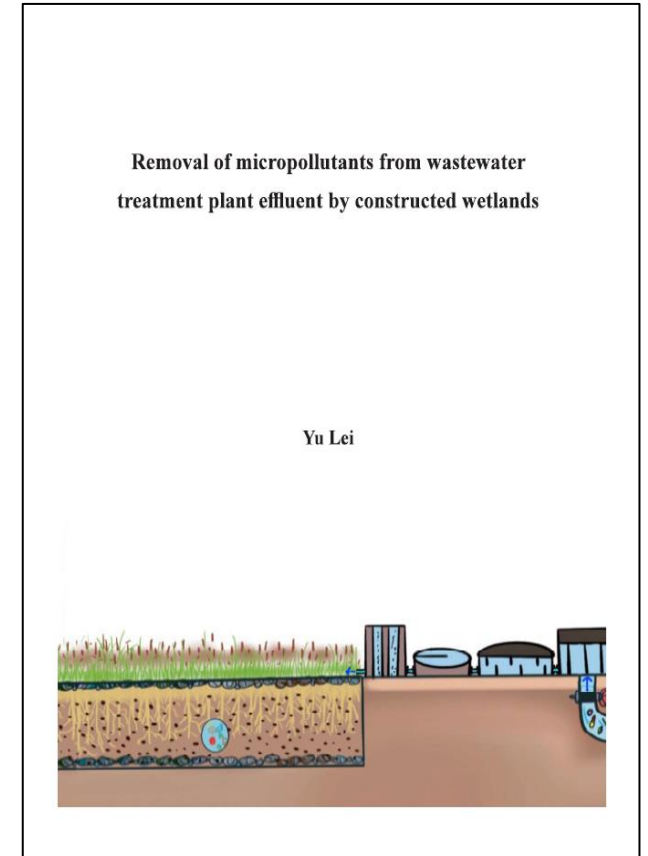
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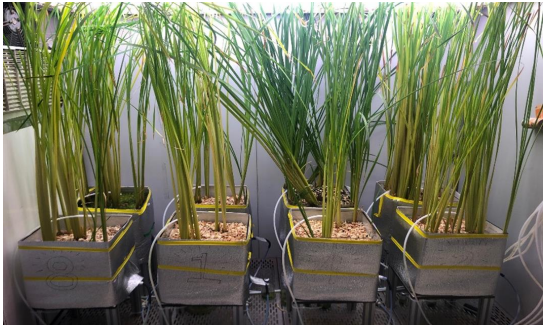


Submitted

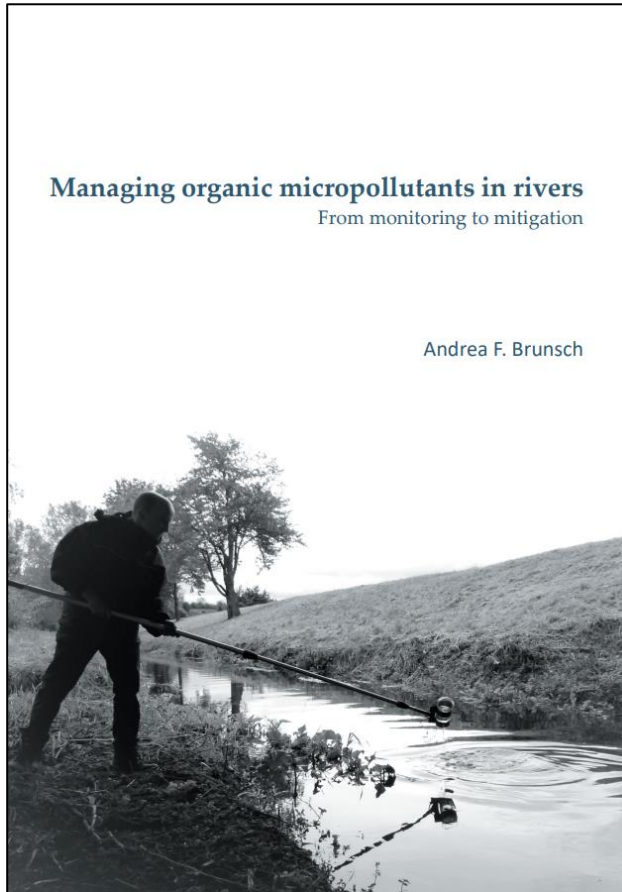


[10.18174/575408](https://doi.org/10.18174/575408)

Tijdens de lunch



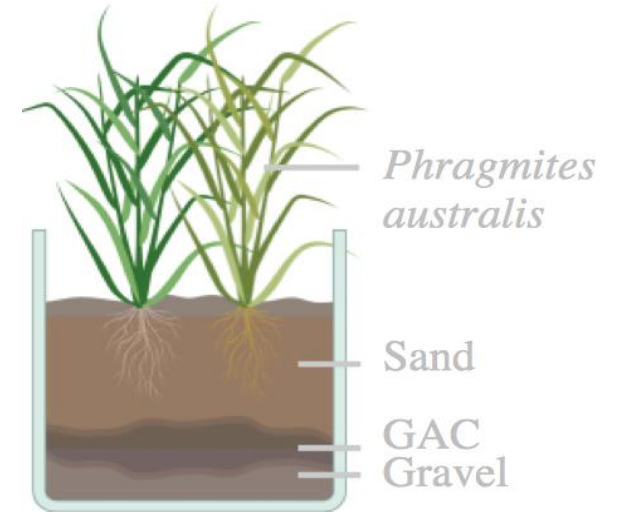
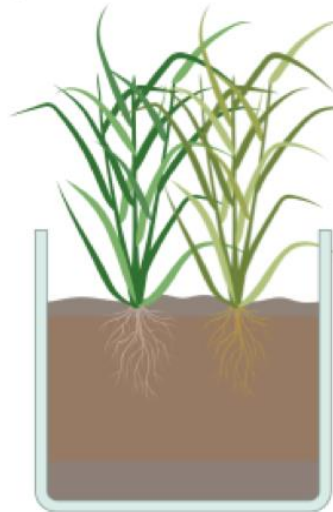
Helofytenfilter onderzoek – Overig



<https://edepot.wur.nl/549910>



De toekomst: Biologische regeneratie

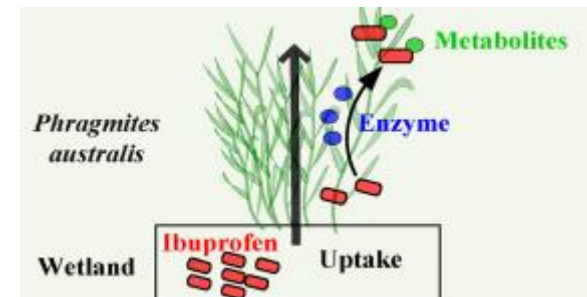


De toekomst: Plantopname van micro's



Metabolism of Ibuprofen by *Phragmites australis*: Uptake and Phytodegradation

Yujie He,[†] Alette A. M. Langenhoff,^{*,†} Nora B. Sutton,[†] Huub H. M. Rijnaarts,[†] Marco H. Blokland,[‡] Feiran Chen,[§] Christian Huber,[§] and Peter Schröder[§]



<https://doi.org/10.1021/acs.est.7b00458>



Vragen, ideeën en contact



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