

## Accepted Manuscript

Title: Virus reduction through microfiltration membranes modified with a cationic polymer for drinking water applications

Authors: T.R. Sinclair, D. Robles, B. Raza, S. van den Hengel, S.A. Rutjes, A.M. de Roda Husman, J. de Grooth, W.M. de Vos, H. D.W. Roesink



PII: S0927-7757(18)30340-6  
DOI: <https://doi.org/10.1016/j.colsurfa.2018.04.056>  
Reference: COLSUA 22454

To appear in: *Colloids and Surfaces A: Physicochem. Eng. Aspects*

Received date: 10-3-2018  
Revised date: 23-4-2018  
Accepted date: 25-4-2018

Please cite this article as: Sinclair TR, Robles D, Raza B, van den Hengel S, Rutjes SA, de Roda Husman AM, de Grooth J, de Vos WM, Roesink HDW, Virus reduction through microfiltration membranes modified with a cationic polymer for drinking water applications, *Colloids and Surfaces A: Physicochemical and Engineering Aspects* (2018), <https://doi.org/10.1016/j.colsurfa.2018.04.056>

This is a PDF file of an unedited manuscript that has been accepted for publication. As a service to our customers we are providing this early version of the manuscript. The manuscript will undergo copyediting, typesetting, and review of the resulting proof before it is published in its final form. Please note that during the production process errors may be discovered which could affect the content, and all legal disclaimers that apply to the journal pertain.

# Virus reduction through microfiltration membranes modified with a cationic polymer for drinking water applications

T. R. Sinclair<sup>1,3</sup>, D. Robles<sup>1</sup>, B. Raza<sup>3</sup>, S. van den Hengel<sup>2,3</sup>, S. A. Rutjes<sup>2</sup>, A. M. de Roda Husman<sup>2,4</sup>, J. de Grooth<sup>1</sup>, W. M. de Vos<sup>1,†</sup> and H. D.W. Roesink<sup>1</sup>.

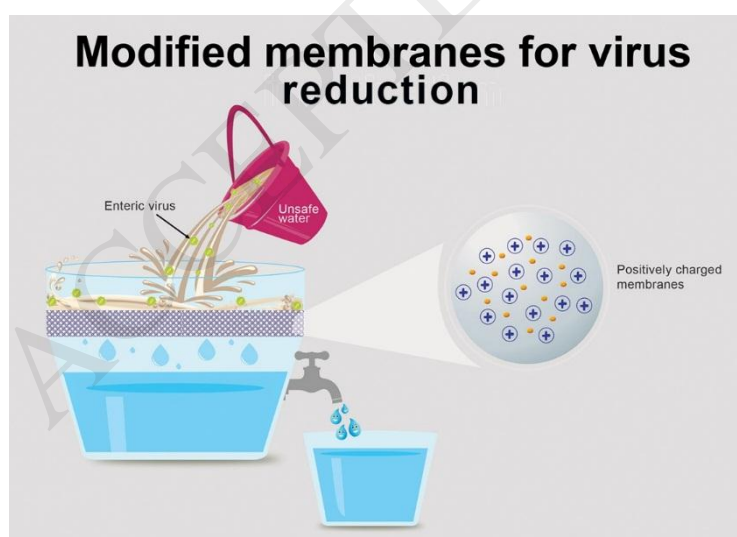
1. Membrane Science & Technology, MESA+ Institute for Nanotechnology, University of Twente, Faculty of Science and Technology, P.O. Box 217, 7500 AE Enschede, The Netherlands.
2. National Institute for Public health and the environment (RIVM), A van Leeuwenhoeklaan, 9, 3721 MA Bilthoven, The Netherlands.
3. Wetsus, European Centre of Excellence for Sustainable Water Technology, Oostergoweg 9, 8911 MA Leeuwarden, The Netherlands.
4. Institute of Risk Assessment Sciences, IRAS within the faculties of Veterinary Medicine, Medicine and Sciences of Utrecht University.
- 5.

†Corresponding Author

E-mail address: w.m.devos@utwente.nl

Membrane Science & Technology, MESA+ Institute for Nanotechnology, University of Twente, Faculty of Science and Technology, P.O. Box 217, 7500 AE Enschede, The Netherlands

## Graphical Abstract



Download English Version:

<https://daneshyari.com/en/article/6977335>

Download Persian Version:

<https://daneshyari.com/article/6977335>

[Daneshyari.com](https://daneshyari.com)