

## ***Interactive comment on “Nanofiltration for water and wastewater treatment – a mini review” by H. K. Shon et al.***

**I. S. Kim (Editor)**

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Your submission "NANOFILTRATION FOR WATER AND WASTEWATER TREATMENT – A MINI REVIEW" has now been reviewed. You will see from the reviewers' comments below that they recommend that you revise your submission.

Reviewers' comments:

Reviewer #1:

The basis of the paper is reasonable and well-organized. It is clear research objectives and research methods. The length of the summary is appropriate. The scientific rationale is clear.

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## Reviewer #2:

This brief review discussed the application of membrane technology in water and wastewater treatment. They mainly focused on the application of NF for water and wastewater treatment including fundamentals of membrane process and mechanisms of NF process including few basic models. I believe that the discussions presented in this review can definitely contribute to the understanding of the NF processes. This review is well organized and clearly written but some mistakes including typographical errors are also founded in the text. Hence, I would recommend this manuscript for publication in Drinking Water Engineering and Science Discussions after some technical corrections. Abstract Page 60, line 8 fouling challenges and their control mechanisms adopted. → Please revise the above sentence.

Introduction With technological advances and the ever-increasing stringency of water quality criteria, membrane processes are becoming a more attractive solution to the challenge of quality water, and water reuse (Shannon et al., 2008). The use of membrane technology in wastewater reclamation is increasing as the requirement of stringent water quality is being felt by the pollution control authorities around the world. → Please revise the above sentences. In my view, those sentences have the same meaning in a sense.

Page 61, line 11 Similarly, Ultrafiltration (UF) → Please check the style.

Page 64, line18  $x$ =distance normal to → Please check the style.

Referenes Page 72 Shon, H. K., Vigneswaran, S., Aim, R. B., Ngo, H. H., Kim, I. S., and Cho, J.: Influence of Floc-culation and Adsorption as Pretreatment on the Fouling of Ultrafiltration and Nanofiltration Membranes: Application with Biologically Treated Sewage Effluent, Environ. Sci. Technol.,39, 3864–3871, 2005. Page 73 Vigneswaran, S., Chaudhary, D. S., Ngo, H. H., Shim, W. G., and Moon, H.: Application of a PAC-Membrane Hybrid System for Removal of Organics from Secondary Sewage Effluent: Experiments and Modelling, Separ. Sci. Technol., 38, 2183– 2199, 2003. →Please

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carefully check once again the reference style.

If you decide to revise the work, please submit a list of changes or a rebuttal against each point which has been raised when you submit the revised submission.

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Interactive comment on Drink. Water Eng. Sci. Discuss., 6, 59, 2013.

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