Accepted Manuscript

Title: Incorporation of silica grafted silver nanoparticles into polyvinyl chloride/polycarbonate hollow fiber membranes for pharmaceutical wastewater treatment

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PII: S0263-8762(18)30133-3

DOI: https://doi.org/10.1016/j.cherd.2018.03.019

Reference: CHERD 3089

To appear in:

Received date: 29-11-2017 Revised date: 1-3-2018 Accepted date: 14-3-2018

Please cite this article as: Behboudi, A., Jafarzadeh, Y., Yegani, R., Incorporation of silica grafted silver nanoparticles into polyvinyl chloride/polycarbonate hollow fiber membranes for pharmaceutical wastewater treatment. Chemical Engineering Research and Design https://doi.org/10.1016/j.cherd.2018.03.019

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ACCEPTED MANUSCRIPT

Incorporation of silica grafted silver nanoparticles into polyvinyl chloride/polycarbonate hollow fiber membranes for pharmaceutical wastewater treatment

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Graphical abstract Bacteria Hollow fiber Membrane Hydrophobic Electrostatic foulants (Proteins) attraction Hydrophilic membrane repulsion Bacteria Dead

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