## Accepted Manuscript

Title: Experimental and Modeling Investigations Towards Tailoring Cellulose Triacetate Membranes for High Performance Helium Separation

Authors: Ali Soleimany, Javad Karimi-Sabet, Seyed Saeid Hosseini

PII: DOI: Reference: S0263-8762(18)30350-2 https://doi.org/10.1016/j.cherd.2018.07.011 CHERD 3265

To appear in:

Received date:2-5-2018Revised date:3-7-2018Accepted date:9-7-2018

Please cite this article as: Soleimany, Ali, Karimi-Sabet, Javad, Hosseini, Seyed Saeid, Experimental and Modeling Investigations Towards Tailoring Cellulose Triacetate Membranes for High Performance Helium Separation.Chemical Engineering Research and Design https://doi.org/10.1016/j.cherd.2018.07.011

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.



## ACCEPTED MANUSCRIPT

## **Experimental and Modeling Investigations Towards Tailoring Cellulose Triacetate Membranes for High Performance Helium Separation**

Ali Soleimany<sup>a</sup>, Javad Karimi-Sabet<sup>b,\*</sup>, Seyed Saeid Hosseini<sup>a,\*</sup>

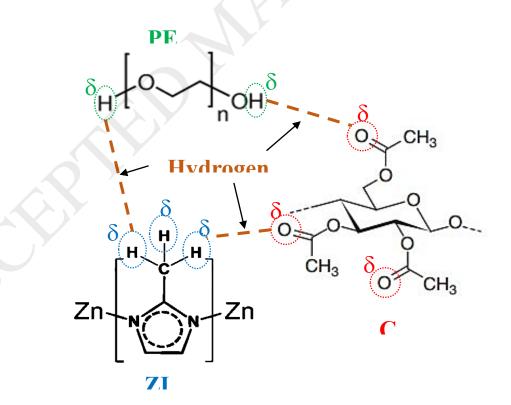
<sup>a</sup>Membrane Science and Technology Research Group, Department of Chemical Engineering Tarbiat Modares University, Jalal-Ale-Ahmad, Tehran, Iran <sup>b</sup> Material and Nuclear Fuel Research School (MNFRS), Nuclear Science and Technology Research Institute (NFCRS), Tehran, Iran

\*Corresponding Authors

*E-mail addresses: jvkarimi@aeoi.org.ir & Saeid.Hosseini@modares.ac.ir* Tel: +98-21-82883335

Graphical abstract

Schematic representation of the possible molecular interactions between CTA, PEG and ZIF-8 nanoparticles



Download English Version:

## https://daneshyari.com/en/article/7005524

Download Persian Version:

https://daneshyari.com/article/7005524

Daneshyari.com