Accepted Manuscript

Effect of pore size distribution and particle size of porous metal oxides on phosphate adsorption capacity and kinetics

Prashanth Suresh Kumar, Leon Korving, Karel J. Keesman, Mark C.M. van Loosdrecht, Geert-Jan Witkamp

PII: DOI:	S1385-8947(18)31919-3 https://doi.org/10.1016/j.cej.2018.09.202
Reference:	CEJ 20041
To appear in:	Chemical Engineering Journal
Received Date:	28 July 2018
Revised Date:	24 September 2018
Accepted Date:	26 September 2018



Please cite this article as: P. Suresh Kumar, L. Korving, K.J. Keesman, M.C.M. van Loosdrecht, G-J. Witkamp, Effect of pore size distribution and particle size of porous metal oxides on phosphate adsorption capacity and kinetics, *Chemical Engineering Journal* (2018), doi: https://doi.org/10.1016/j.cej.2018.09.202

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

Effect of pore size distribution and particle size of porous metal oxides

on phosphate adsorption capacity and kinetics

Prashanth Suresh Kumar^{a,b}, Leon Korving^{a*}, Karel J Keesman^{a, c} Mark C.M. van Loosdrecht^b, Geert-Jan Witkamp^{b,1}

^aWetsus, European Centre Of Excellence for Sustainable Water Technology, Oostergoweg 9, 8911 MA, Leeuwarden, The Netherlands

^bDepartment of Biotechnology, Applied Sciences, Delft University of Technology, Building 58, Van der Maasweg 9, 2629 HZ Delft, The Netherlands

^cBiobased chemistry and technology, Wageningen University, Bornse Weilanden 9, 6708 WG, Wageningen, The Netherlands

¹Current address: King Abdullah University of Science and Technology (KAUST), Water Desalination and Reuse Center (WDRC), Division of Biological and Environmental Science and Engineering (BESE), Thuwal, 23955-6900, Saudi Arabia.

*Corresponding author: psureshkumar@tudelft.nl; +31-58-2843160; Wetsus, European Centre Of Excellence for Sustainable Water Technology, Oostergoweg 7, 8911 MA, Leeuwarden, The Netherlands

Download English Version:

https://daneshyari.com/en/article/11016644

Download Persian Version:

https://daneshyari.com/article/11016644

Daneshyari.com