Accepted Manuscript

Title: Development of aluminum and zirconium based xerogel for defluoridation of drinking water: study of material properties, solution kinetics and thermodynamics

Authors: Simpi Bhawna Patel, Amulya Kumar Panda, S.K. Swain, Tanushree Patnaik, Fabrice Muller, Sandrine Delpeux-Ouldriane, Laurent Duclaux, R.K. Dey

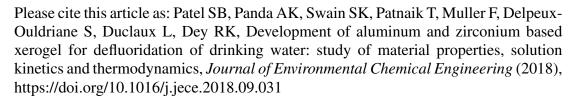
PII: S2213-3437(18)30564-5

DOI: https://doi.org/10.1016/j.jece.2018.09.031

Reference: JECE 2652

To appear in:

Received date: 14-7-2018 Revised date: 15-9-2018 Accepted date: 18-9-2018



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

Development of aluminum and zirconium based xerogel for defluoridation of drinking water: study of material properties, solution kinetics and thermodynamics

Simpi Bhawna Patel^a, Amulya Kumar Panda^b, S. K. Swain^{b*}, Tanushree Patnaik^c, Fabrice Muller^d, Sandrine Delpeux-Ouldriane^e, Laurent Duclaux^f, R. K. Dey^{a*}

^aCentre for Applied Chemistry, Central University of Jharkhand, Ranchi, INDIA

^bCentral Instrumentation Facility, Birla Institute of Technology, Ranchi, INDIA

^cDepartment of Chemistry, Stewart Science College, Cuttack, INDIA

^d Institute des Sciences de la Terre d'Orléans, UMR 7327 - CNRS/University of Orléans, FRANCE

^eCNRS-ICMN, Materials Engineering, Université d'Orléans, 45071 Orléans, FRANCE

^fLCME, Université Savoie Mont Blac, 73000 Chambéry, FRANCE

AUTHOR INFORMATION Corresponding Author

*Tel.: +91-9439485624. Fax: +91-671-2306624. E-mail:rkdey@rediffmail.com (R.K.Dey)/ratan.dey@cuj.ac.in.

Notes

The authors declare no competing financial interest.

Download English Version:

https://daneshyari.com/en/article/11028981

Download Persian Version:

https://daneshyari.com/article/11028981

<u>Daneshyari.com</u>