

## RETRACTION

 View Article Online  
View Journal | View Issue

 CrossMark  
click for updates
Cite this: *RSC Adv.*, 2016, 6, 114190

DOI: 10.1039/c6ra90128j

www.rsc.org/advances

# Retraction: Selective uptake of uranium, plutonium and americium on hydrogen titanate nanotubes

 Chayan Banerjee,<sup>a</sup> Nilesh Dudwadkar,<sup>a</sup> Subhash Chandra Tripathi,<sup>\*a</sup>  
Pritam Maniklal Gandhi,<sup>a</sup> Chetan Prakash Kaushik,<sup>b</sup> Sriparna Chatterjee,<sup>d</sup>  
Pushan Ayyub<sup>e</sup> and Avesh Kumar Tyagi<sup>\*c</sup>

 Retraction of 'Selective Uptake of Uranium, Plutonium and Americium on Hydrogen Titanate Nanotubes' by Chayan Banerjee *et al.*, *RSC Adv.*, 2014, DOI: 10.1039/c3ra42548g.

We the authors wholly retract this *RSC Advances* article. We identified some errors in the data reported in Fig. 10 and 11, and Table 1 during the proof reading stage. We notified the Editorial Office requesting the deletion of Fig. 11, and the replacement of Fig. 10 and Table 1 with the revised figure and table below.

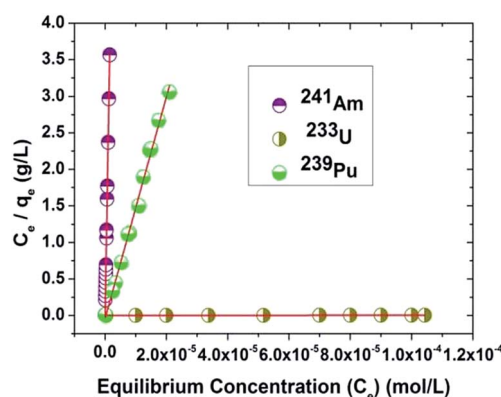

 Fig. 10 Langmuir isotherms for  $H^+ \leftrightarrow M^{7+}$  exchange.

Table 1 Parameters deduced from Langmuir sorption isotherm

| Tracer            | $Q^\circ$ (mol g <sup>-1</sup> ) | $b$ (L mol <sup>-1</sup> ) |
|-------------------|----------------------------------|----------------------------|
| <sup>241</sup> Am | $4.18 \times 10^{-7}$            | $9.29 \times 10^7$         |
| <sup>233</sup> U  | $3.49 \times 10^{-2}$            | $2.36 \times 10^8$         |
| <sup>239</sup> Pu | $6.58 \times 10^{-6}$            | $3.42 \times 10^6$         |

As a result of the revisions proposed the article, including the new data, was subject to further peer review. This review process established that the findings reported, and those reported for <sup>233</sup>U in particular, were unrealistic and had resulted from inadvertent errors in the analysis. After taking the comments of the reviewers and our own judgment into account, this *RSC Advances* paper can no longer be deemed sufficiently robust to support the conclusions reported. Therefore, we have agreed to retract this article to

<sup>a</sup>Fuel Reprocessing Division, Bhabha Atomic Research Centre, Mumbai 400 085, India. E-mail: scetri001@gmail.com; Fax: +91 22 2550 5151; Tel: +91 22 2550 5330

<sup>b</sup>Waste Management Division, Bhabha Atomic Research Centre, Mumbai 400 085, India

<sup>c</sup>Chemistry Division, Bhabha Atomic Research Centre, Mumbai 400 085, India. E-mail: aktyagi@barc.gov.in

<sup>d</sup>Department of Colloids and Materials Chemistry, CSIR Institute of Minerals and Materials Technology, Bhubaneswar, 751013, India

<sup>e</sup>Tata Institute of Fundamental Research, Mumbai 400 005, India


maintain the accuracy of the scientific record and avoid misleading readers. We apologise for any consequent inadvertent inconvenience to authors and readers.

Signed: Chayan Banerjee, Nilesh Dudwadkar, Subhash Chandra Tripathi, Pritam Maniklal Gandhi, Chetan Prakash Kaushik, Sriparna Chatterjee, Pushan Ayyub and Avesh Kumar Tyagi. 1st December 2016.

Retraction endorsed by Andrew Shore, Executive Editor, *RSC Advances*.

