

Accepted Manuscript

Biopolymer matrix for nano-encapsulation of urease- a model protein and its application in urea detection

Abhishek Saxena, A. Bhattacharya, Satish Kumar, Irving R. Epstein, Rachana Sahney

PII: S0021-9797(16)30907-9
DOI: <http://dx.doi.org/10.1016/j.jcis.2016.11.030>
Reference: YJCIS 21758

To appear in: *Journal of Colloid and Interface Science*

Received Date: 7 September 2016
Revised Date: 7 November 2016
Accepted Date: 8 November 2016

Please cite this article as: A. Saxena, A. Bhattacharya, S. Kumar, I.R. Epstein, R. Sahney, Biopolymer matrix for nano-encapsulation of urease- a model protein and its application in urea detection, *Journal of Colloid and Interface Science* (2016), doi: <http://dx.doi.org/10.1016/j.jcis.2016.11.030>

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.



Biopolymer matrix for nano-encapsulation of urease- a model protein and its application in urea detection

Abhishek Saxena¹, A. Bhattacharya², Satish Kumar³, Irving R. Epstein⁴ and Rachana Sahney^{1*}

¹Amity Institute of Biotechnology, AUUP, Noida, India-201313

²Amity Institute of Nanotechnology, AUUP, Noida, India-201313

³St. Stephens College, Delhi University, New Delhi, India-110007.

⁴Department of Chemistry, Brandeis University, 415 South Street, MS 015, Waltham, Massachusetts 02454-9110, United States

^{*1}Author's Present Address:

Amity Institute of Biotechnology, Amity University Uttar Pradesh, Noida-201303, UP, India.

Tel.: +91 (120) 2432780 thru 85

Fax: +91 (120) 2431878

E-Mail: rachanasahney@gmail.com, rsahney@amity.edu

³Author's Present Address:

Chemistry Department, St. Stephen's College, University of Delhi-110007, India.

E-Mail: satish64@gmail.com; satish@ststephens.edu

⁴Author's Present Address:

Department of Chemistry, Brandeis University, 415 South Street, MS 015, Waltham, Massachusetts 02453, United States

E-Mail: epstein@brandeis.edu

Download English Version:

<https://daneshyari.com/en/article/4985281>

Download Persian Version:

<https://daneshyari.com/article/4985281>

[Daneshyari.com](https://daneshyari.com)