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Chitosan Aerogels Exhibiting High Surface Area for Biomedical Application: Preparation, Characterization, and **Antibacterial Study**

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Kumari Rinki, Pradip K. Dutta , Andrew J. Hunt, Duncan J. Macquarrie & James H. Clark Pages 988-999 | Received 08 Sep 2010, Accepted 08 Jan 2011, Published online: 08 Sep 2011

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Abstract

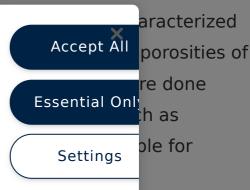
The objective of the present work is to improve the surface area of aerogel via supercritical carbon dioxide (sc \cdot CO₂) treatment and thus to obtain the chitosan derivative. The resulting mesoporous material exhibits the typical characteristics of

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