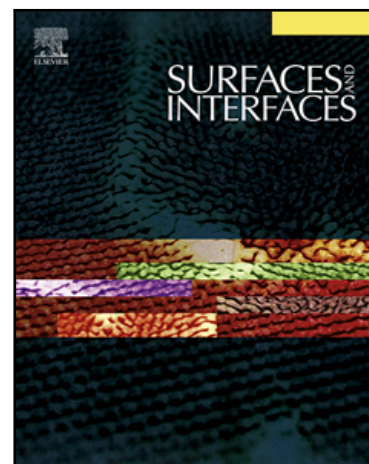


Poly(styrene-block-methylmethacrylate) derived electrospun mesoporous nanofibers

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PII: S2468-0230(18)30040-3
DOI: [10.1016/j.surfin.2018.05.011](https://doi.org/10.1016/j.surfin.2018.05.011)
Reference: SURFIN 211



To appear in: *Surfaces and Interfaces*

Received date: 23 January 2018
Revised date: 4 May 2018
Accepted date: 27 May 2018

Please cite this article as: Akash Nathani , Akanksha Adaval , Alamgir Karim , Chandra S. Sharma , Poly(styrene-block-methylmethacrylate) derived electrospun mesoporous nanofibers, *Surfaces and Interfaces* (2018), doi: [10.1016/j.surfin.2018.05.011](https://doi.org/10.1016/j.surfin.2018.05.011)

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Highlights

- A facile technique for the synthesis of mesoporous nanofibers derived from the block copolymer Poly(styrene-block-methyl methacrylate) (PS-b-PMMA) using electrospinning is illustrated.
- A rigorous study with three different molecular weights of PS-b-PMMA is done.
- Illustration of the effect of different solvent systems on the nanofiber morphology & porosity.
- A comprehensive characterization of porous nanofibers using Nitrogen adsorption-desorption technique and Small angle x-ray scattering is carried out.

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