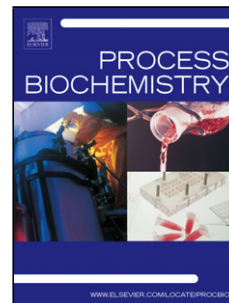


## Accepted Manuscript

Title: Synthesis of core-shell molecularly imprinted polymers (MIP) for spiramycin I and their application in MIP chromatography

Authors: Qi Liu, Junfen Wan, Xuejun Cao



PII: S1359-5113(17)31775-0  
DOI: <https://doi.org/10.1016/j.procbio.2018.04.001>  
Reference: PRBI 11317

To appear in: *Process Biochemistry*

Received date: 15-11-2017  
Revised date: 18-3-2018  
Accepted date: 2-4-2018

Please cite this article as: Liu Qi, Wan Junfen, Cao Xuejun. Synthesis of core-shell molecularly imprinted polymers (MIP) for spiramycin I and their application in MIP chromatography. *Process Biochemistry* <https://doi.org/10.1016/j.procbio.2018.04.001>

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.

# Synthesis of core-shell molecularly imprinted polymers (MIP) for spiramycin I and their application in MIP chromatography

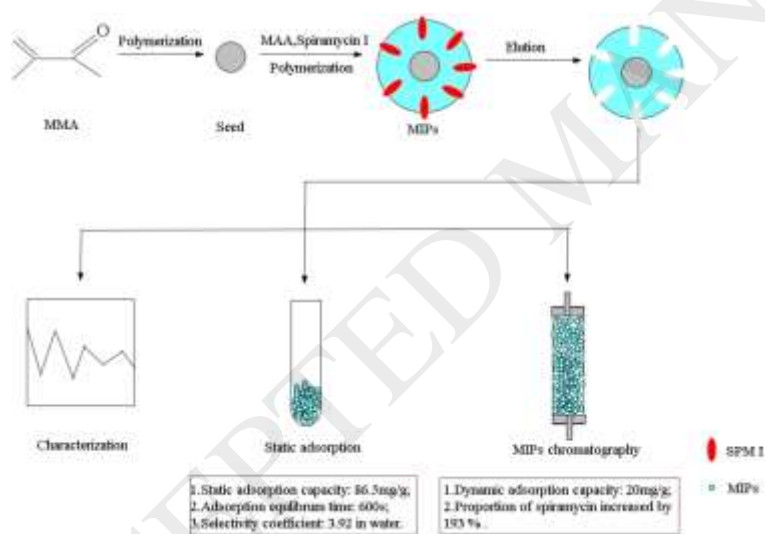
Qi Liu, Junfen Wan\*, Xuejun Cao\*

State Key Laboratory of Bioreactor Engineering, Department of Bioengineering, East China University of Science and Technology, 130 Meilong Rd, Shanghai 200237, China

Corresponding Junfen Wan, E-mail: wanjunfen@ecust.edu.cn; Xuejun Cao, E-mail:

caoxj@ecust.edu.cn, Tel.: +86-21-64252695

## Graphical Abstract



## Highlights

- The core-shell molecularly imprinted polymers (MIPs) for spiramycin I were polymerized and characterized.
- The MIP<sub>AM</sub> showed a fast mass transfer, high adsorption capacity and high selectivity in the static adsorption experiment.
- The adsorption property of MIPs chromatography were explored.

Download English Version:

<https://daneshyari.com/en/article/6495098>

Download Persian Version:

<https://daneshyari.com/article/6495098>

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