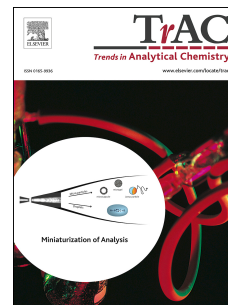


Accepted Manuscript

Application of molecularly imprinted polymers in an analytical chiral separation and analysis

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PII: S0165-9936(17)30493-4

DOI: [10.1016/j.trac.2018.01.011](https://doi.org/10.1016/j.trac.2018.01.011)

Reference: TRAC 15095

To appear in: *Trends in Analytical Chemistry*

Received Date: 22 December 2017

Revised Date: 29 January 2018

Accepted Date: 29 January 2018

Please cite this article as: M. Rutkowska, J. Płotka-Wasyłka, C. Morrison, P.P. Wieczorek, J. Namieśnik, M. Marć, Application of molecularly imprinted polymers in an analytical chiral separation and analysis, *Trends in Analytical Chemistry* (2018), doi: 10.1016/j.trac.2018.01.011.

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1 **Application of molecularly imprinted polymers in an analytical chiral separation and**
2 **analysis**

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18
19 **Abstract**

20 Over the last two decades the process of development and application of a new types of
21 molecular imprinted polymer (MIP) sorbents in the field of analytical chemistry have been
22 widely described in the literature. One of the new trends in analytical chemistry practice is the
23 use of new types of MIP sorbents as specific sorption materials constituting the stationary
24 phase in advanced separation techniques. The following review paper contains comprehensive
25 information about the application of a specific and well defined MIP sorbents (with the data
26 base in the paper about the reagents used in MIP preparation process) as stationary phases in
27 separation techniques including high performance liquid chromatography and capillary
28 electrochromatography. Coverage includes newly created types of stationary phases (MIP
29 sorbents) used for chiral recognition, with the focus on applications in enantioselective
30 separation.

31
32 **Keywords:** chiral separation, high performance liquid chromatography, capillary
33 electrochromatography, molecularly imprinted polymers, enantiomers.

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