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Special Edition Invitation

Special Edition on Microextraction and Molecularly Imprinted Polymers

Sample preparation is one of the most important and crucial step in the analysis of organic and inorganic chemicals/compounds in the matrices related to environmental, forensic, biological and food samples. Owing to the complexity of most of the matrices makes the analysis cumbersome and tedious. In any analysis, most of the time will go mainly for extraction and sample preparation before instrumental analysis. The suitable sample preparation methods will not only makes the analysis specific, but also enhances the selectivity for the analytes of interest. The optimum sample preparation conditions will not only enhances the life of sophisticated instruments, but also improves the performance of the instrument as it will remove the interferences before the instrumental analysis. In recent years, a lot of advances were made in the sample preparation methods by adopting various microextraction techniques which makes the analysis easy to use and cost-effective and reduce the burden on the analyst. The use of molecular imprinted polymers in sample cleanup also improves the selectivity of the analysis. We would like to bring some of the latest advances in these areas to the analytical community, so we invite authors to submit research and review articles that deal latest developments in microextractions and/or molecular imprinted polymers as sample preparation tools. It is an interesting opportunity for researchers in analytical chemistry to submit articles in these areas along with promising applications of these techniques in analytical, bioanalytical, toxicology, environmental, natural products, food, pharmaceutical, clinical analysis etc.

Potential topics for special edition, but not limited to

1. Microextractions like solid-phase microextraction (SPME), Stir Bar Sorptive Extraction (SBSE), Dispersive liquid-liquid microextraction (DLLME), Liquid Phase Microextraction (LPME), air assisted liquid-liquid extractions etc.
2. Synthesis and application of molecular imprinted polymers for the analysis of organic or inorganic chemicals, natural products etc.
3. MIPs for sensor development and remediation of pollutants
4. Hyphenation of microextraction and molecular imprinted polymers
5. New technologies and recent advances
6. Automated methods based on microextractions and/or molecular imprinted polymers

Best Regards,

Mohana Krishna Reddy Mudiam

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