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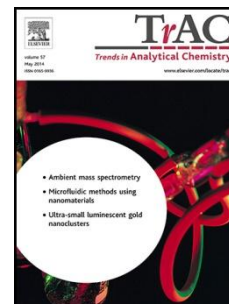
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Overview on Nano Enabled Screening of Drug Facilitated Crime: A promising tool in forensic investigation

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Highlights:

- Overview of illicit drug globally and its methods of detection, its drawbacks
- The role of nanotechnology in detection of illicit drugs
- Recognition sites for targeting particular illicit drug
- Working example of nanoprobe and nanochips for detection of illicit drugs
- Advantages of nano enable screening of illicit drug

Abstract:

Drug analysis is an important branch of modern Analytical Chemistry with many legal and socially relevant implications in forensic investigations. It needs significant role of nanotechnology due to issues on cost effectiveness, instrumentation constrains and sensitivity of traditional approach. So, driven need to detect illicit drug, nanodevices can play an important role as efficient tools in this field considering their well known advantages of sensitivity, selectivity, easy functioning, affordability and capability of miniaturization and automation. Although, the use of nanodevices in the forensic practice is still very limited, it **has been shown by the inadequate number** of articles reported on nanoprobe, nanosensors and nanochips. Thus, this critical review will hint at the potential of this new-fangled area of research, which aimed to

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