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### Eco-friendly trace analysis of silver in beer/wine samples using a new co-polymeric nanocomposite based-ultrasound assisted-cloud point extraction combined with spectrophotometry

By: Zengin, HB (Zengin, H. B.)<sup>1</sup>; Gurkan, R (Gurkan, R.)<sup>1</sup>  
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validation that was carried out. The method after two sample preparation procedures was successfully applied to reliable determination of total Ag in beer and wine samples. The total Ag levels were in range of 2.5-4.2 and 2.7-5.5  $\mu\text{g L}^{-1}$  in beer and wine samples, respectively.

### Keywords

**Author Keywords:** [Cloud point extraction](#); [Tris modification](#); [Copolymer](#); [UV-vis spectrophotometry](#); [Silver](#); [Beer/wine samples](#)

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### Categories/Classification

**Research Areas:** Chemistry; Food Science & Technology

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inomethane-modified poly  
ew micellar interface for  
ted-cloud point extraction (UA-  
ental tools in detail. The method  
ction by microvolume UV-vis  
e evaluated and optimized in  
in ranges of 2.5-125  $\mu\text{g L}^{-1}$  and  
ces) with a better determination  
sion (as RSDs%, 5, 25 and 100  
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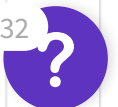
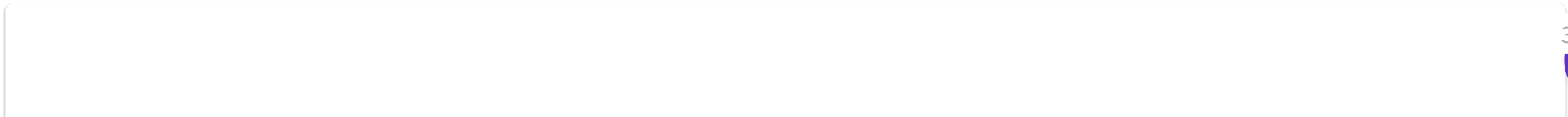
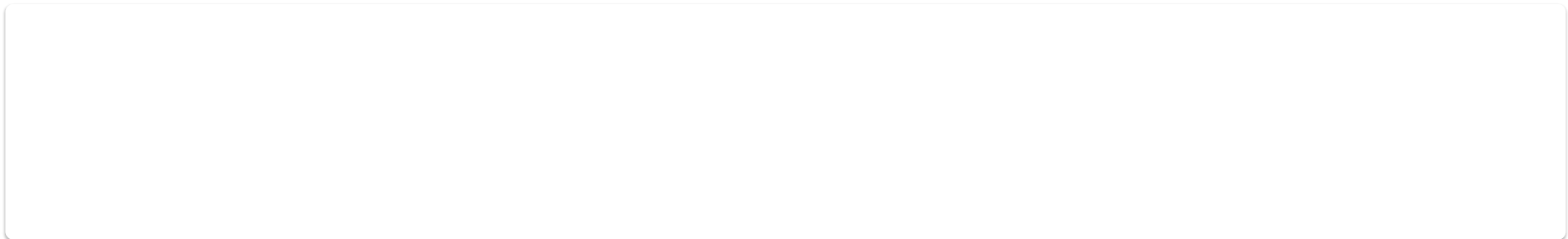
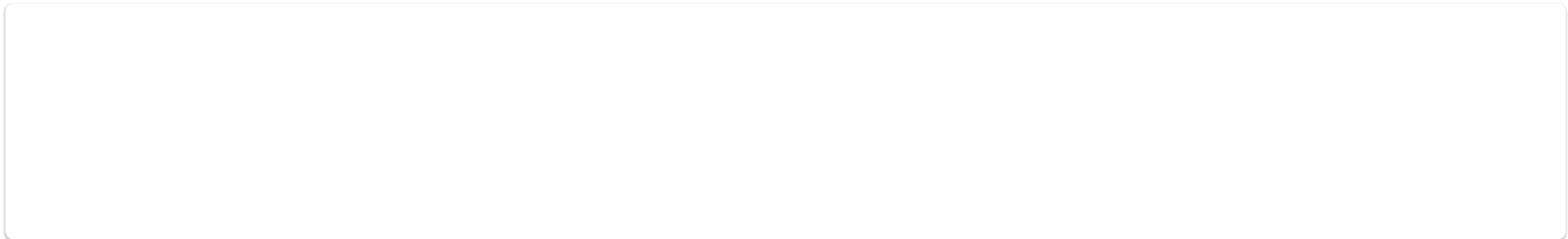
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