

# Analytical Methods

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ISSN 1759-9679 CODEN AMNECT 16(1) 1–142 (2024)



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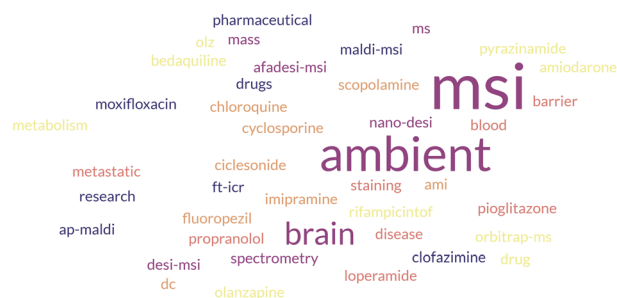
See Wendell K. T. Coltro *et al.*, pp. 33–39. Image reproduced by permission of Wendell K. T. Coltro from *Anal. Methods*, 2024, 16, 33. Image created by Ueta & Cia Ltda via Unsplash.

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### Recent developments and applications of ambient mass spectrometry imaging in pharmaceutical research: an overview

Bharath Sampath Kumar\*

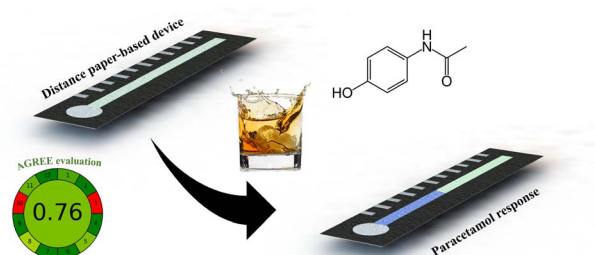


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### Distance-based detection of paracetamol in microfluidic paper-based analytical devices for forensic application

Nikaele S. Moreira, Kemilly M. P. Pinheiro, Lucas R. Sousa, Gabriel D. S. Garcia, Federico Figueredo and Wendell K. T. Coltro\*



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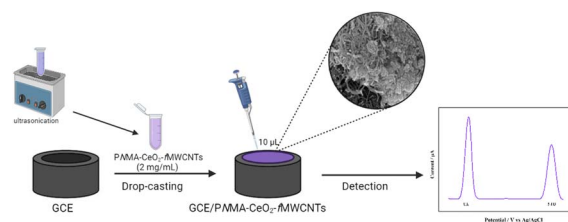
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### Development of a facile electrochemical sensor based on GCE modified with one-step prepared PNMA-CeO<sub>2</sub>-fMWCNTs composite for simultaneous detection of UA and 5-FU

Kübra Turan, Ahmet Üçe, Bülent Zeybek and Gözde Aydoğdu Tiğ\*

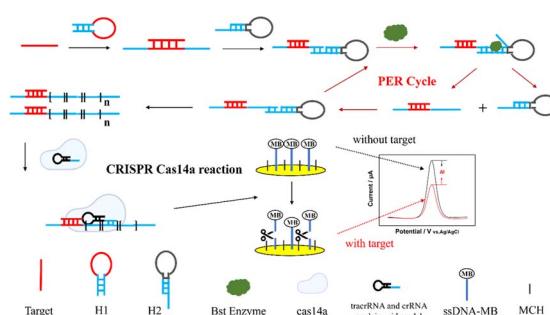


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### PER-CRISPR/Cas14a system-based electrochemical biosensor for the detection of ctDNA EGFR L858R

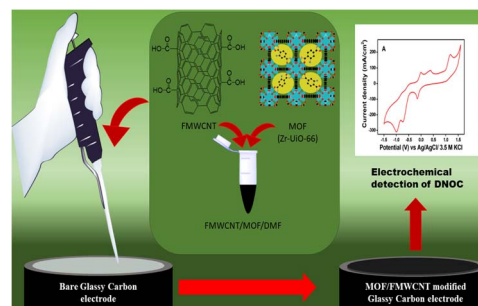
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### Sensitive determination of 4,6-dinitro-*o*-cresol based on a glassy carbon electrode modified with Zr-UiO-66 metal-organic framework entrapped FMWCNTs

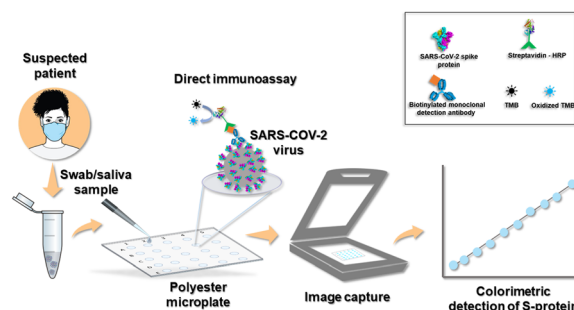
Ranjit Hazarika, Gullit Deffo, Honore Nogholesso Wamba, Nayab Hussain, Shyamali Kalita, Mwina Basumatary, Evangéline Njanja, Soumen Dasgupta and Panchanan Puzari\*



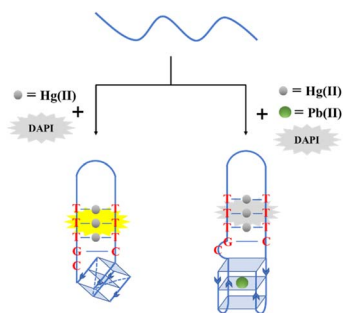
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### Direct immunoassay on a polyester microwell plate for colorimetric detection of the spike protein in swab and saliva samples

Nikaele S. Moreira, Thaisa A. Baldo, Lucas C. Duarte, Leonardo Lopes-Luz, Karoliny A. Oliveira, Paulo F. N. Estrela, Amanda M. Simões, Samira Bühler-Sékula, Gabriela R. M. Duarte and Wendell K. T. Coltro\*



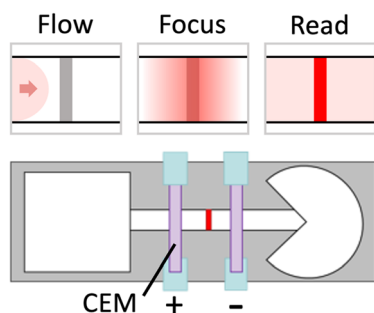
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### Development of a split G-quadruplex and DAPI-based fluorescent probe for Hg(II) and Pb(II) ions detection

Youyang Xu, Yuxin Liu, Xiangxiang Li, Yule Cai, Zihan Gao and Jieqiong Qiu\*

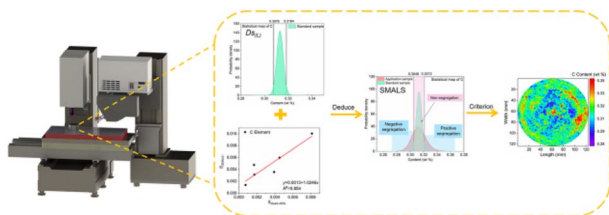
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### Electrokinetic focusing of SARS-CoV-2 spike protein *via* ion concentration polarization in a paper-based lateral flow assay

Kira L. Rahn, Sommer Y. Osman, Quinlan G. Pollak and Robbyn K. Anand\*

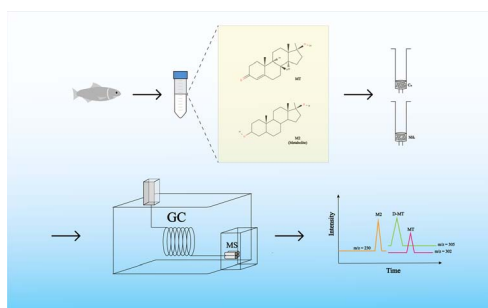
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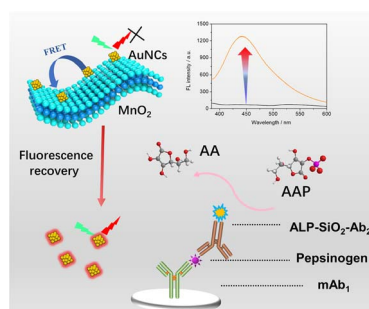
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Huanzong Zhang, Binhuang Cai, Fan Cai,\* Mingzhe Lian\* and Yinghui Wang



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