

# Analytical Methods

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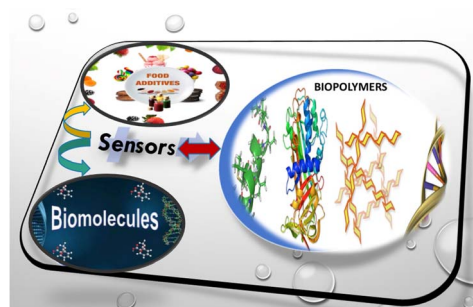
See Ana L. Daniel-da-Silva *et al.*, pp. 2905–2914. Image reproduced by permission of Maria António from *Anal. Methods*, 2023, 15, 2905. This cover has been designed using assets from Freepik.com.

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### Biopolymer supported electroanalytical methods for the determination of biomolecules and food additives – a comprehensive perspective

Rejithamol Rajamani,\* Devu C., Sreelekshmi P. J., Devika V., Agraja P. S., Maheswari K. and Vedhanarayanan Balaraman

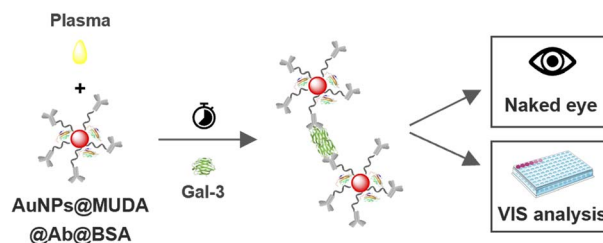


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### Gold nanoparticle probes for colorimetric detection of plasma galectin-3: a simple and rapid approach

Maria António, Tânia Lima, Rita Ferreira, Margarida Fardilha, José Mesquita Bastos, Rui Vitorino and Ana L. Daniel-da-Silva\*



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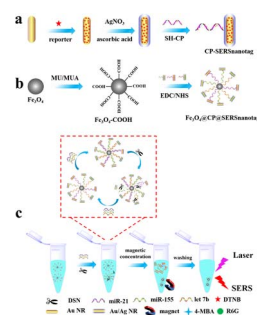


## PAPERS

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# Quantitative SERS detection of multiple breast cancer miRNAs based on duplex specific nuclease-mediated signal amplification

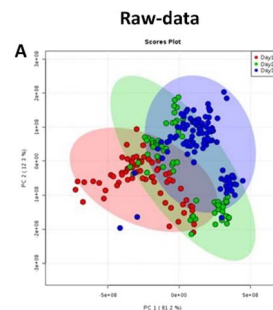
Wei Xu,\* Yu Zhang, Dianhai Hou, Jianjun Shen, Jinhua Dong, Zhiqin Gao\* and Honglin Liu\*



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# Advantages of using biologically generated $^{13}\text{C}$ -labelled multiple internal standards for stable isotope-assisted LC-MS-based lipidomics

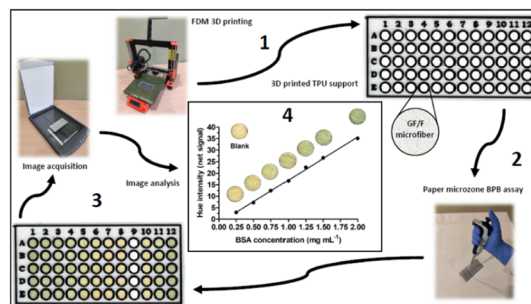
Malak A. Jaber, Bruna de Falco, Salah Abdelrazig, Catharine A. Ortori, David A. Barrett and Dong-Hyun Kim\*



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# Paper microzone assay embedded on a 3D printed support for colorimetric quantification of proteins in different biological and food samples

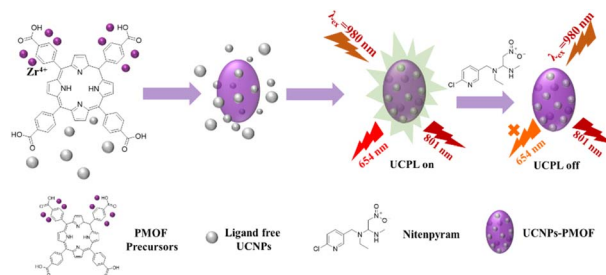
Francesca Pettinau,\* Barbara Pittau and Alessandro Orrù\*



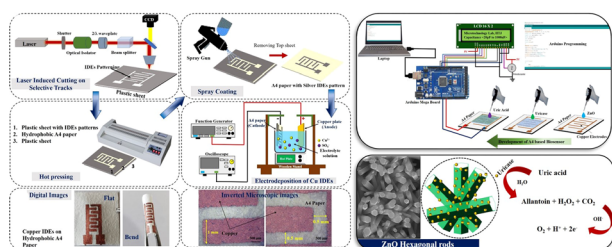
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# An upconverted nanoparticle–porphyrin metal–organic framework platform for near-infrared detection of nitenpyram

Xiong Chen, Yingxue Li, Juying Li, Li Cao and Cheng Yao\*



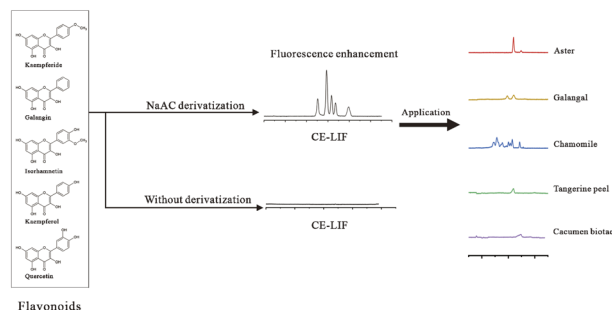
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### A simple approach to develop a paper-based biosensor for real-time uric acid detection

Gulshan Verma, Saloni Singhal, Prince Kumar Rai and Ankur Gupta\*

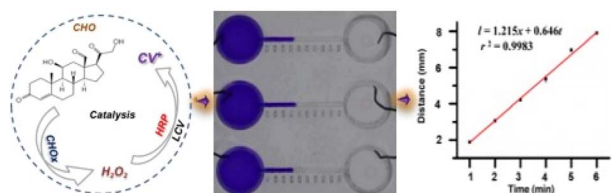
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### Fluorescence enhancement of flavonoids and its application in ingredient determination for some traditional Chinese medicines by CE-LIF

Shaoyan Zhang, Jinfeng Ning, Qingqing Wang and Wei Wang\*

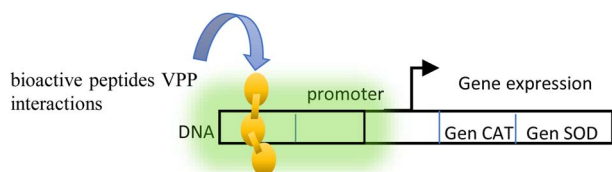
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### Point of care testing (POCT) of cholesterol in blood serum via a moving reaction boundary electrophoresis titration chip

Muhammad Idrees Khan, Qiang Zhang, Youli Tian, Shah Saud, Yiren Cao, Jicun Ren, Weiwen Liu and Chengxi Cao\*

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### Recognition of the interaction between the bioactive peptide Val-Pro-Pro and the minimal promoter region of genes SOD and CAT using QCM-D and docking studies

Nadia Mabel Pérez-Vielma, Modesto Gómez-López, Jesús Maldonado, José Correa-Basurto, María de los Ángeles Martínez-Godínez and Ángel Miliar-García\*

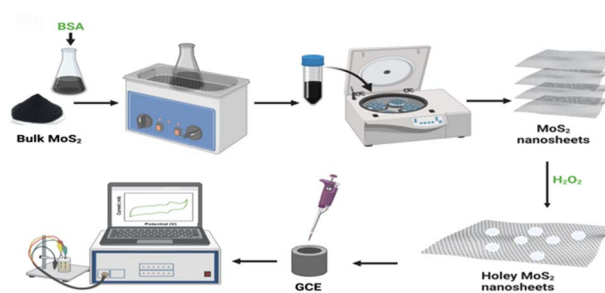


## PAPERS

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**Holey MoS<sub>2</sub>-based electrochemical sensors for simultaneous dopamine and uric acid detection**

Hasan Huseyin Ipekci\*



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**A novel online dispersive liquid–liquid microextraction for the spectrophotometric determination of free glycerol in biodiesel**

Vivian Maringolo, Alexandre Zatkovskis Carvalho and Diogo Librandi Rocha\*

