

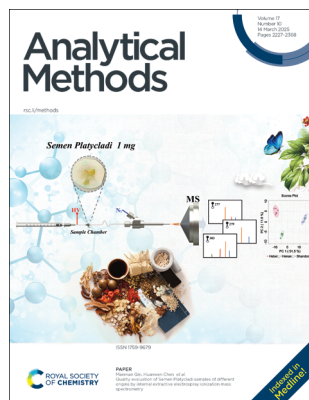
# Analytical Methods

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## IN THIS ISSUE

ISSN 1759-9679 CODEN AMNECT 17(10) 2227–2368 (2025)



### Cover

See Manman Qin, Huanwen Chen *et al.*, pp. 2254–2262. Image reproduced by permission of Ning Wang, Siyu Xie, Peng Liu, Leting Wang, Chao Zhong, Jun Yu, Manman Qin and Huanwen Chen from *Anal. Methods*, 2025, 17, 2254.

## CRITICAL REVIEW

2235

### 3D-printed electrodes for electrochemical detection of environmental analytes

Liangliang Pan, Shijing Zhou, Jiaying Yang, Tongyun Fei, Shuduan Mao,\* Li Fu\* and Cheng-Te Lin

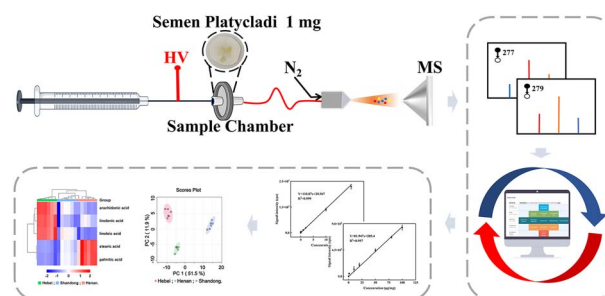


## PAPERS

2254

### Quality evaluation of Semen Platycladi samples of different origins by internal extractive electrospray ionization mass spectrometry

Ning Wang, Siyu Xie, Peng Liu, Leting Wang, Chao Zhong, Jun Yu, Manman Qin\* and Huanwen Chen\*



# Environmental Science: Atmospheres

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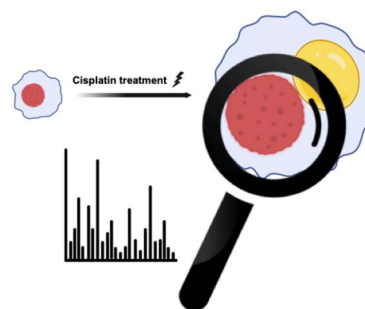


## PAPERS

2263

### Chemical profiling of surviving cancer cells using ToF-SIMS and MCR analysis discriminates cell components

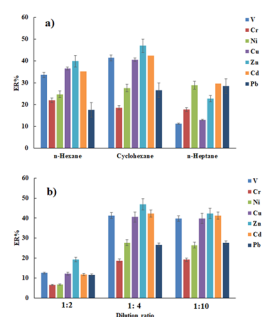
Auraya Manaprasertsak, Robin Rydbergh, Qicheng Wu, Maria Slyusarenko, Christopher Carroll, Sarah R. Amend, Sofie Mohlin, Kenneth J. Pienta, Per Malmberg and Emma U. Hammarlund\*



2273

### *In situ* sorbent formation dispersive solid phase extraction for multi-elemental analysis: a new approach using cyclen and a magnetic ionic liquid

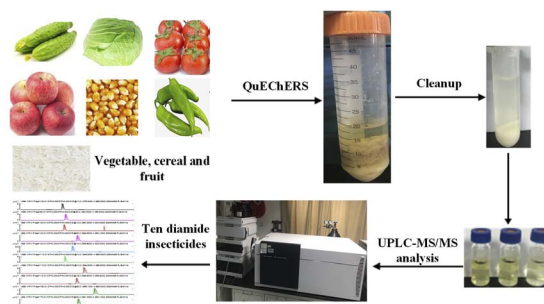
Hasanain Najm Abed Altuwaijari, Mohammad Reza Afshar Mogaddam,\* Mir Ali Farajzadeh\* and Saeed Mohammad Sorouraddin



2282

### Development and validation of a combined QuEChERS and HPLC-MS/MS method for trace analysis of ten diamide insecticides in agricultural products

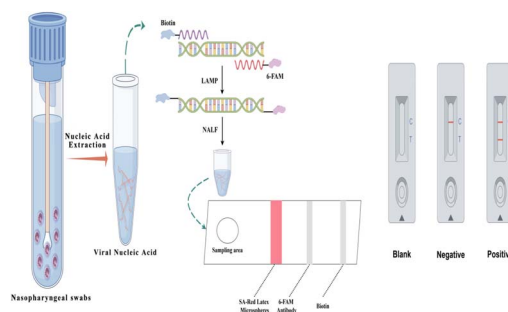
Fajun Tian,\* Zhenzhen Zhou, Junfeng Lu, Chengkui Qiao, Caixia Wang, Tao Pang, Linlin Guo, Jun Li, Rongli Pang and Hanzhong Xie\*



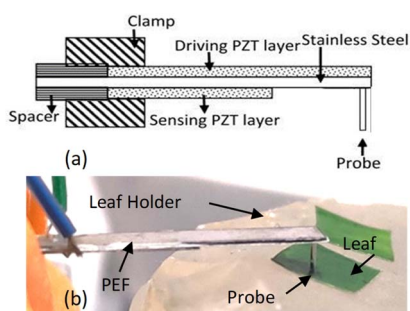
2295

### A fast, accurate strategy based on LAMP–NALF for detecting human adenovirus serotype 3 in children

Qi Yun, Wen Hui Xia, Si Fei Ma, Dong Ming Lu, Meng Gu and Ao Shuang Zhu\*



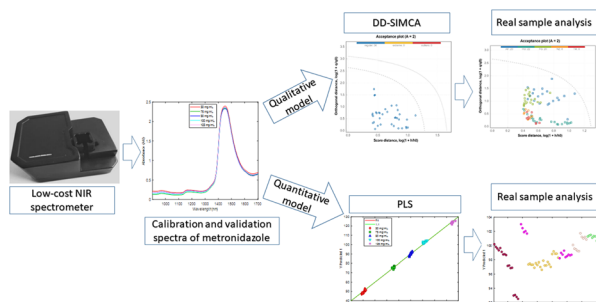
2302



### Rapid and accurate detection of huanglongbing in citrus by elasticity testing using a piezoelectric finger

Pawan Rao, Shu Huang, Cheryl M. Armstrong,\*  
Joseph Capobianco, YongPing Duan, Wei-Heng Shih  
and Wan Y. Shih\*

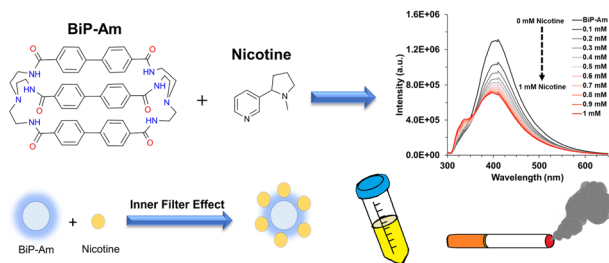
2312



### Qualitative and quantitative analysis of metronidazole formulations using a low-cost near infrared transmission spectrophotometer and chemometric tools

Moussa Yabr , Abdoul Karim Sakira, Moumouni Band ,  
Kouka Luc Delma, Isaie Nyamba,  
Loconon Y. Achille Yemoua, Souleymane Fofana  
and Touridomon Issa Som 

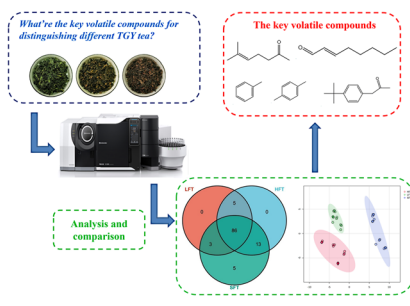
2321



### Development of amide-based molecular cages for the highly selective and sensitive detection of nicotine

Mina Bagherifard, Amrit Kaur, Kamal E. S. Nassar,  
Neelam Tariq, Zois Syrgiannis and Ioannis Spanopoulos\*

2326



### Comparison of volatile compounds among different types of Tieguanyin oolong tea using DHI-GC-MS

Desen Su, Yunyun Zheng, Minmin Huang, Ziqiang Chen,  
Lisong Chen, Meizhen Chen and Qinghua Yao\*

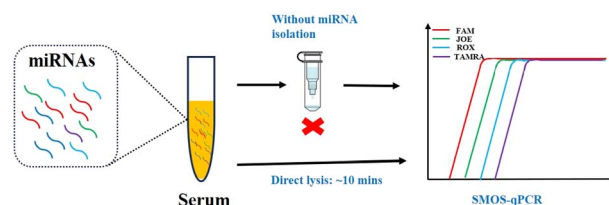


## PAPERS

2335

**Serum direct SMOS-qPCR: a fast approach for miRNAs detection**

Guodong Zhao,\* Yanmiao Dai, Chenjing Xia, Ying Xue\* and Hongwei Xu\*



2342

**A robust PET-based chiral Schiff base molecular probe for recognition of Hg<sup>2+</sup> and Pb<sup>2+</sup> and its application in live cell imaging**

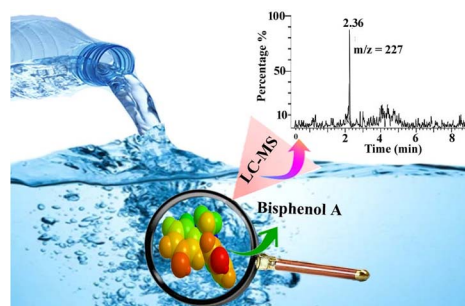
S. Benita Jeba Silviya, S. Michlin Ruphina Maragatham, S. G. Jebastin Andrews, Nattamai S. P. Bhuvanesh, J. Winfred Jebaraj and Chithiravel Balakrishnan\*



2355

**Advanced detection of bisphenol A in plastic water bottles using liquid–liquid phase extraction and LC-MS**

Vellaisamy Indirakumari, Dharmalingam Sakthilatha,\* Kumarasamy Jayakumar, Habibulla Imran, Sooman Lim and Mohammad Rashid Khan



## CORRECTIONS

2364

**Correction: Development of a novel UHPLC-UV combined with UHPLC-QTOF/MS fingerprint method for the comprehensive evaluation of Nao-Luo-Xin-Tong: multi-wavelength setting based on traditional Chinese medicinal prescription composition**

Lina Wang, Yanling Wang, Guangyun Tong, Yu Li, Mengnan Lei, Huan Wu, Bin Wang\* and Rongfeng Hu\*



## CORRECTIONS

2365

**Correction: Strategies for the detection of site-specific DNA methylation and its application, opportunities and challenges in the field of electrochemical biosensors**

Chenliu Ye, Zhibin Zhao, Penghui Lai, Chunmei Chen, Fumei Jian, Haiying Liang\* and Qiongying Guo\*

