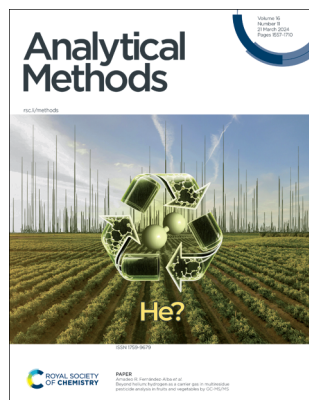


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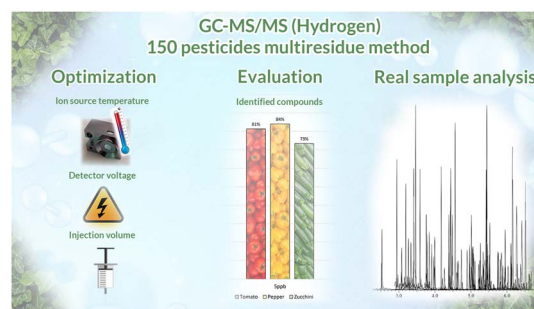
Cover
See Amadeo R. Fernández-Alba *et al.*, pp. 1564–1569.
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PAPERS

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Beyond helium: hydrogen as a carrier gas in multiresidue pesticide analysis in fruits and vegetables by GC-MS/MS

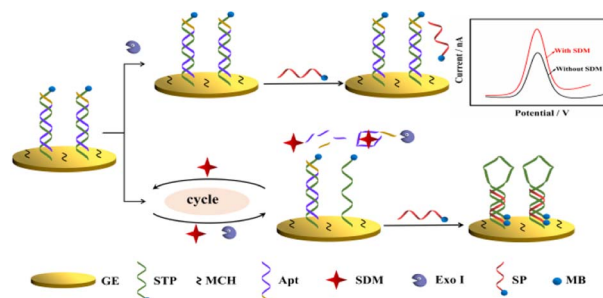
Víctor Cutillas, Guillermo García-Gallego, María Murcia-Morales, Carmen Ferrer and Amadeo R. Fernández-Alba*



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A novel and sensitive electrochemical aptasensor for sulfadimethoxine detection based on the triple helix/exonuclease I-assisted double-amplification strategy

Meijuan Du, Xin Cheng, Qian Chen and Xueqin Xu*



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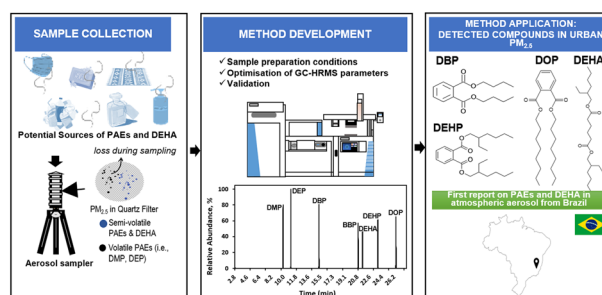
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Fundamental questions
Elemental answers

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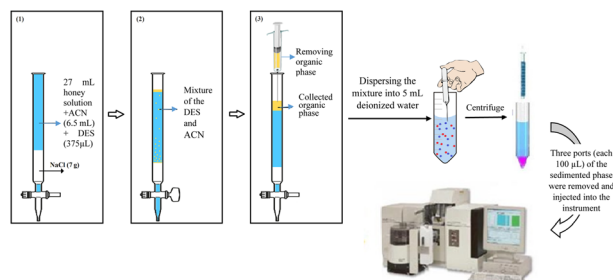
Cristian Ryan A. Argamino, Bruna G. Sebben, Gabriela da Costa, Sam Towers, Anna Bogush, Svetlana Stevanovic, Ricardo H. M. Godoi and Ivan Kourtchev*



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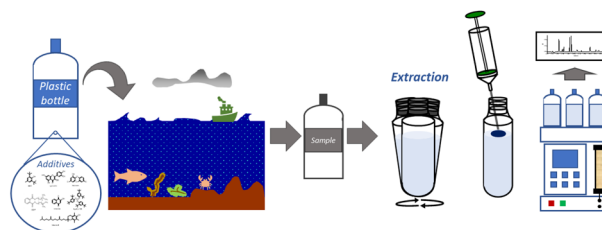
Ali Asghar Zendejdel, Saeed Mohammad Sorouraddin* and Mir Ali Farajzadeh



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María José González-Castro, Jaime Uribe-Ares, Soledad Muniategui-Lorenzo and Elisa Beceiro-González*



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Mitigating the impact of gelatin capsule variability on detection of substandard and falsified pharmaceuticals with near-IR spectroscopy

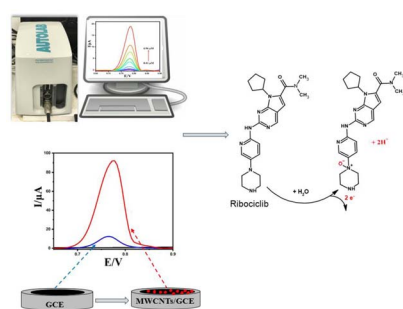
Olatunde Awotunde, Jiaqi Lu, Jin Cai, Nicholas Roseboom, Sarah Honegger, Ornella Joseph, Alyssa Wicks, Kathleen Hayes and Marya Lieberman*



Dosage forms of doxycycline from field study subjected to *in-situ* NIR analysis



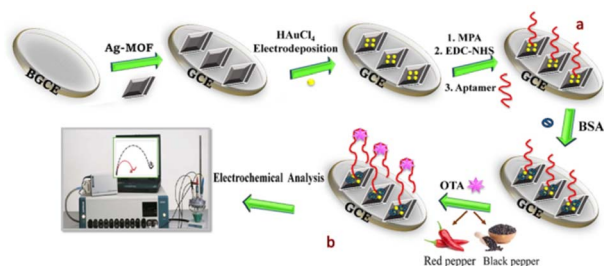
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A low-cost voltammetric sensor based on multi-walled carbon nanotubes for highly sensitive and accurate determination of nanomolar levels of the anticancer drug Ribociclib in bulk and biological fluids

Wiem Bouali,^{*} Nevin Erk^{*} and Asena Ayse Genc

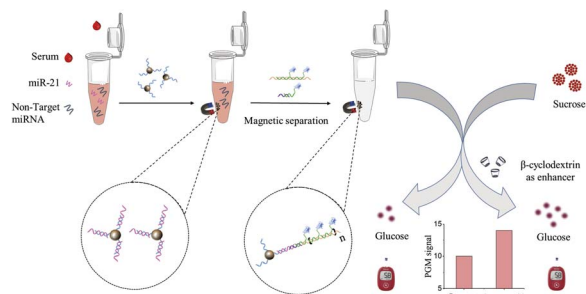
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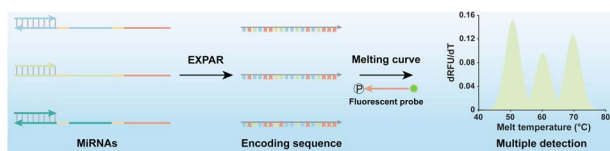
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A novel β -cyclodextrin-assisted enhancement strategy for portable and sensitive detection of miR-21 in human serum

Feng Yao, Longjie Wu, Yamin Xiong, Chaojie Su,
Yujing Guo, Shajidan Bulale, Miaomiao Zhou,
Yongmei Tian^{*} and Leiliang He^{*}

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Programmable DNA barcode-encoded exponential amplification reaction for the multiplex detection of miRNAs

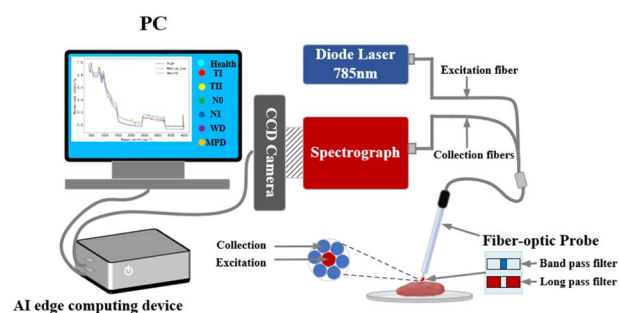
Yuqian Tan, Li Zhang and Shixiong Deng^{*}



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A deep learning method for multi-task intelligent detection of oral cancer based on optical fiber Raman spectroscopy

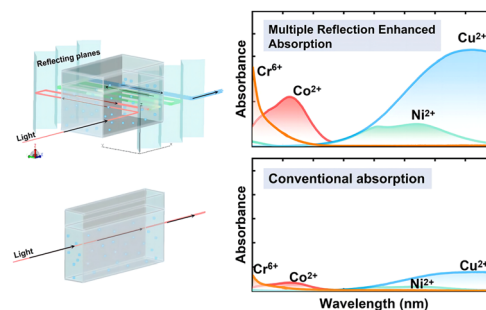
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High-sensitivity detection of low-concentration heavy metal ions in solution by multiple reflection enhanced absorption (MREA) spectroscopy

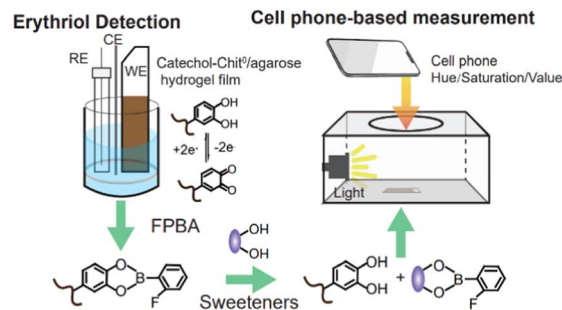
Rong Zhang, Hongfei Liu, Linhua Jiang,* Ning Duan,* Fuyuan Xu, Wenjie Gao, Yong Liu, Guangbin Zhu and Jiabin Wang



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Visualized sensing of erythritol using a simple enzyme-free catechol-based hydrogel film

Xinyue Zhang, Si Wu,* Tao Feng,* Yuanhao Yan, Shijing Wu, Yinyu Chen, Yu Wang, Qingmiao Wang, Ning Hu and Li Wang



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Development of a generic sample preparation method using dispersive liquid-liquid microextraction for the monitoring of leachable compounds in hospital pharmacy-prepared prefilled drug products

William Bello, Julian Pezzatti, Serge Rudaz and Farshid Sadeghipour*

