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### Atomic spectrometry update: review of advances in the analysis of metals, chemicals and materials

Robert Clough, Andy Fisher,\* Bridget Gibson and Ben Russell

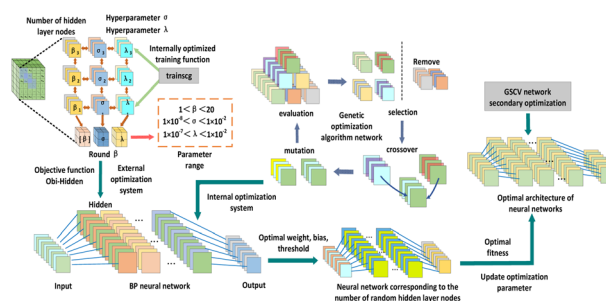


## PAPERS

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### Rapid classification of heavy metal soils from different mining areas by using a GSCV quadratic merit seeking network combined with MF-LIBS

Haoyu Jin, Xiaojian Hao\* and Biming Mo



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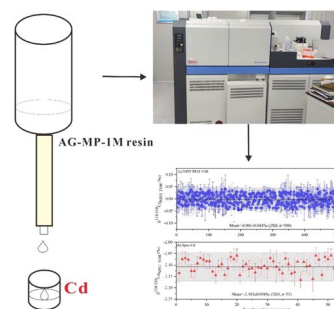


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### A single-stage anion exchange separation method for Cd isotopic analysis in geological and environmental samples by MC-ICP-MS

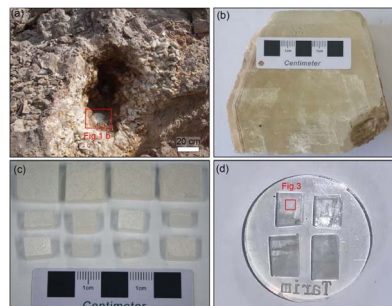
Qiao-Hui Zhong, Lu Yin, Jie Li,\* Yue-Xing Feng, Neng-Ping Shen, Bing-Yu Peng and Zhao-Yang Wang



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### TARIM calcite: a potential reference material for laser ICPMS *in situ* calcite U–Pb dating

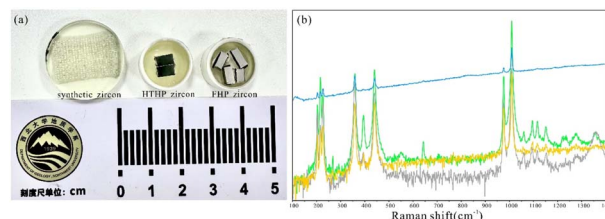
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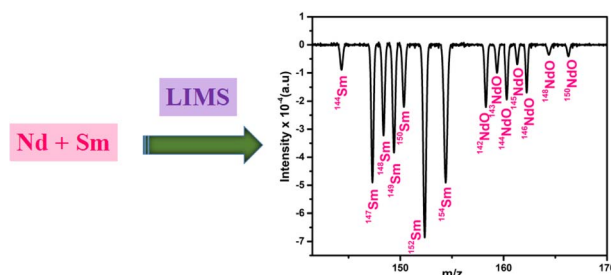
Zhian Bao, Kaiyun Chen, Lei Kang, Chunlei Zong, Xiaojuan Nie, Nan Lv, Peng Liang and Honglin Yuan\*



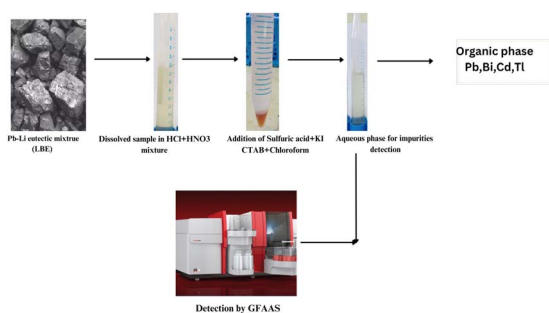
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### Resolving isobaric interference in the determination of Nd isotopes using laser ionisation mass spectrometry towards atom percent fission measurements

Namitha Janardhanan, Ujjwal Kumar Maity, M. Joseph, P. Manoravi and N. Sivaraman\*



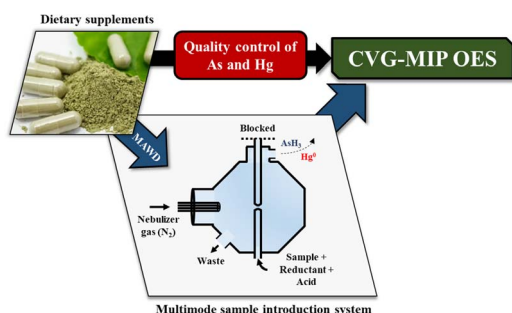
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K. Madhavi, G. Venkateswarlu, N. N. Meeravali and A. C. Sahayam\*

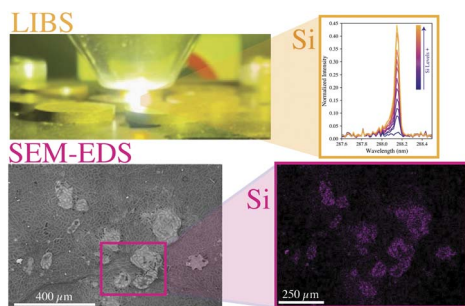
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Gustavo Rossato Bitencourt, Fabio Andrei Duarte, Valderi Luiz Dressler, Rodrigo Cordeiro Bolzan, Érico Marlon de Moraes Flores and Paola Azevedo Mello\*

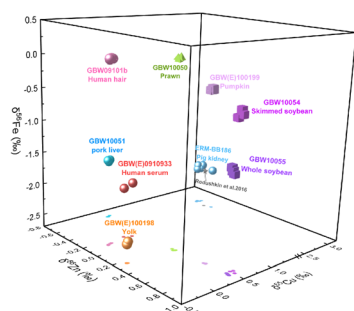
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### Rapid screening of wood and leaf tissues: investigating silicon-based phytoliths in *Populus trichocarpa* for carbon storage applications using laser-induced breakdown spectroscopy and scanning electron microscopy–energy dispersive X-ray spectroscopy

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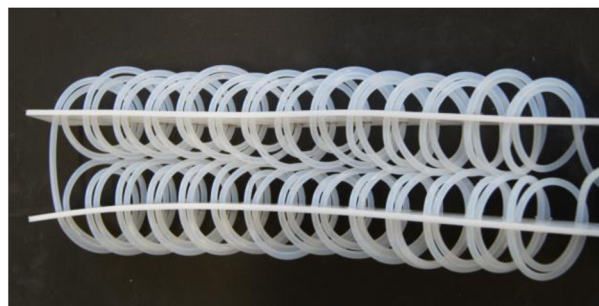
Rui Guo, Hui-Min Yu,\* Shu-Bin Fang, Zi-Cong Xiao and Fang Huang



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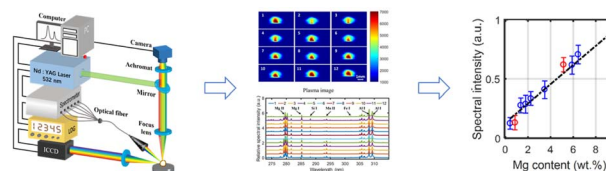
Franz Hallwirth, Herbert Motter and Helmar Wiltsche\*



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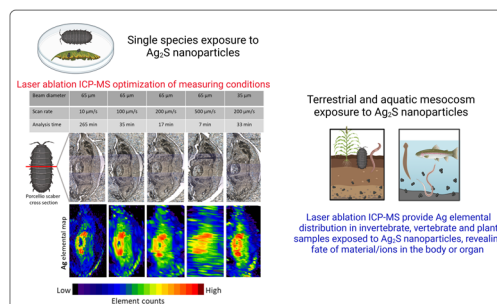
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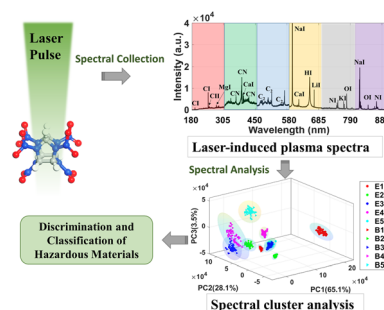
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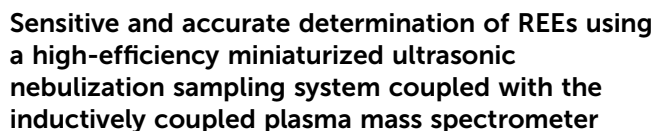
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## Discrimination and classification of high explosives and other organic materials based on laser-induced plasma spectroscopy

Xianshuang Wang, Yage He, Ying Zhang, An Li, Xinyu Zhang, Xueyong Guo, Tonglai Zhang, Wei Guo, Ruibin Liu\* and Yugui Yao\*

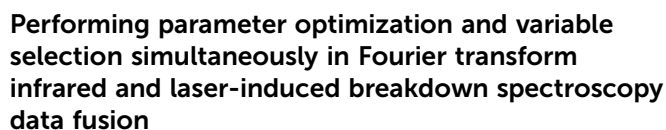






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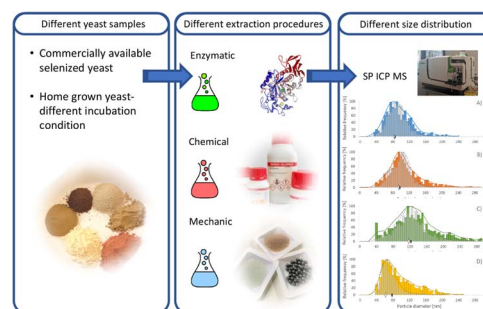
Jiang Xu,\* Xiao Wang, Mingyin Yao and Muhua Liu\*

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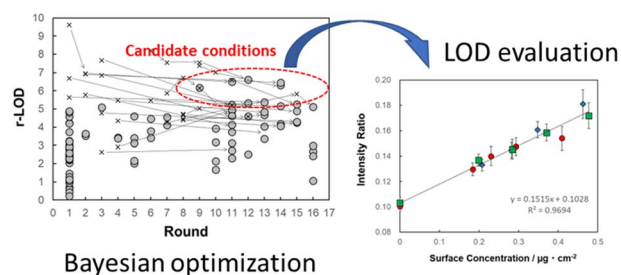
Adam Sajnóg, Katarzyna Biełta, Joanna Szpunar and Javier Jiménez-Lamana\*



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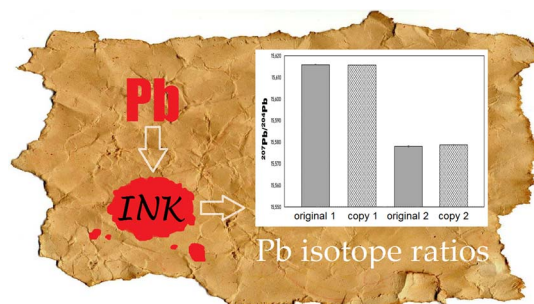
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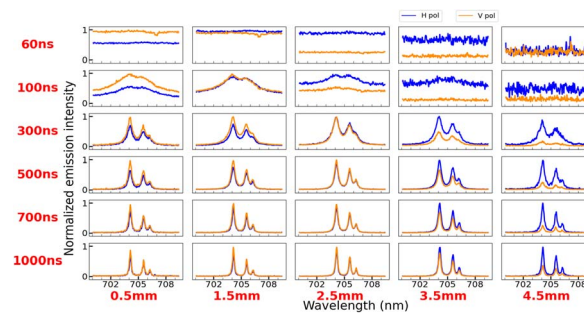
Jakub Karasiński,\* Ewa Bulska, Ludwik Halicz, Andrii Tupys and Barbara Wagner



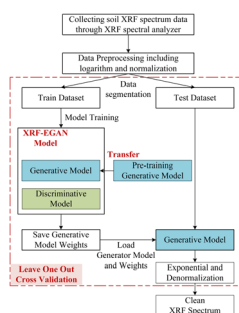
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### Spatio-temporal dynamics of anisotropic emission from nano-second laser produced aluminium plasma

B. R. Geethika,\* Jinto Thomas,\* Milaan Patel, Renjith Kumar R. and Hem Chandra Joshi



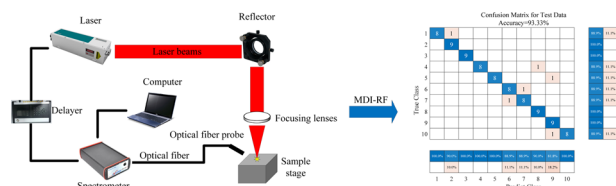
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Xinghua He, Yanchun Zhao\* and Fusheng Li

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## Determination of soil source using laser induced breakdown spectroscopy combined with feature selection

Yu Ding,\* Yan Shu, Ao Hu, Meiling Zhao, Jing Chen, Linyu Yang, Wenjie Chen and Yufeng Wang

