

Half Day Short Course

A06. Green Analytical Chemistry and Green Sample Preparation: Concepts and Metrics

Content

1. Elucidation of the concepts of Green Analytical Chemistry and Green Sample Preparation
2. Selection of solvents, derivatization agents, reagents for analytical applications. Tools and concepts.
3. Presentation and exemplification of the following metric tools available to evaluate the greenness of analytical methods: AGREE, AGREEprep, Analytical Eco-Scale, complexGAPI, GAPI, LCA, NEMI, RGB model. The application of MCDA and other tools.
4. Practical work and Q&A sessions.

Details

Instructors	Eleftheria Psillakis Marek Tobiszewski Francisco Pena-Pereira
Date	27 August 2023
Time	13:30–16:30 h
Duration	3 h
Location	CICG Geneva
Fees	130 CHF (delegate) 80 CHF (student)
Included	Coffee break If booking 2 courses: lunch

Instructors



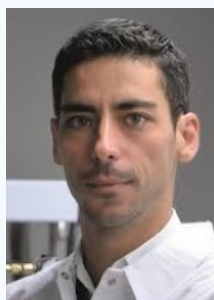
E. Psillakis

Eleftheria (Elia) Psillakis is a Professor in Water Chemistry at the School of Chemical and Environmental Engineering, Technical University of Crete, Greece. She was featured in the Top 100 Power List 2021 of the magazine "The Analytical Scientist" and has received a Fulbright Award as a visiting Professor at California Institute of Technology, USA. She is Editor-in-Chief of "Advances in Sample Preparation" (Elsevier), Editor in Journal of Separation Sciences (Wiley) and Head of the Sample Preparation Network of the European Chemical Society-Division of Analytical Chemistry.



M. Tobiszewski

Marek Tobiszewski is Associate Professor at the Department of Analytical Chemistry, Chemical Faculty, Gdańsk University of Technology, Poland. He has authored 75 papers that were cited 3800 times. His scientific interests include liquid phase microextraction and assessments for green chemistry.



F. Pena-Pereira

Francisco Pena-Pereira is Associate Professor at Department of Analytical and Food Chemistry, University of Vigo, Spain. He has authored 75 papers (47% first decile), yielding an H-index of 33. He has been included in the Ranking of Stanford University among the 2% most cited researchers in the world (2019-20, career long impact; 2018-20, single year impact).