



EuSP2024

3rd European Sample
Preparation Conference

GSAC2024

2nd Green and Sustainable
Analytical Chemistry Conference

15–18 SEPTEMBER 2024 | CHANIA | CRETE | GREECE

SCIENTIFIC PROGRAMME

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Sunday 15th September	Monday 16th September	Tuesday 17th September	Wednesday 18th September
	08:00 Registration	08:00 Registration	
	09:00 Plenary Lecture Mikis T. Hall	09:00 Plenary Lecture Mikis T. Hall	09:00 Mikis T. Hall Keynote Session 13
	09:40 Mikis T. Hall CMA Hall	09:40 Mikis T. Hall CMA Hall	
	09:45 Keynote Session 1 Keynote Session 2	09:45 Keynote Session 9 Keynote Session 10	Oral Session 13
	10:05 Oral Session 1 Oral Session 2	10:05 Oral Session 9 Oral Session 10	Keynote Session 13
	10:50 Coffee Break/ Poster Session A/ Exhibition (Mikis T.)	10:50 Coffee Break/ Poster Session C/ Exhibition (Mikis T.)	10:25 Coffee Break Exhibition
	11:30 Keynote Session 3 Keynote Session 4	11:30 Keynote Session 11 Keynote Session 12	11:00 Keynote Session 14
	11:50 Oral Session 3 Oral Session 4	11:50 Oral Session 11 Oral Session 12	Oral Session 14
	12:50 Lunch Break (CMA)	12:50 Lunch Break (CMA)	Keynote Session 14
	13:50 Workshop (Mikis T.)	13:50 Vendor Seminar (Mikis T.)	12:25 Lunch Break (CMA)
	14:20 Coffee Break/ Poster Session B/ Exhibition (Mikis T.)	14:20 Coffee Break/ Poster Session D/ Exhibition (Mikis T.)	14:00 Closing Plenary Lecture
	15:00 Keynote Session 5 Keynote Session 6	15:00 Young Researchers Session 1 Young Researchers Session 2	14:40 Closing Ceremony/ Awards/ Presentation EuSP2026 GSAC2026
	15:20 Oral Session 5 Oral Session 6	15:50 Coffee Break/ Exhibition (Mikis T.)	15:30 Farewell Coffee
	16:05 Coffee Break/ Exhibition (Mikis T.)	16:20 Workshop (Mikis T.) Round Table Discussion (CMA)	
	16:30 Keynote Session 7 Keynote Session 8	17:00 Young Researchers Session 3 Young Researchers Session 4	17:00 Guided tour to the old harbour of Chania
	16:50 Oral Session 7 Oral Session 8	17:50	
13:00 Registration (CMA)			
14:00 Registration			
17:00 Registration (CMA)			
18:00 Opening Ceremony (Mikis T.)			
18:30 Opening Plenary Lecture (Mikis T.)			
19:10 Welcome Reception (CMA)			
		19:30 Bus Transfer	
		20:00 Conference Dinner (ticket required)	

Mikis Theodorakis (Mikis T.): Lectures, Coffee Breaks, Poster Sessions, Exhibition
Center of Mediterranean Architecture (CMA): Lectures, Lunches, Welcome Reception

Sunday, 15th September

13:00 - 18:00

Center of Mediterranean Architecture

Registration

14:00 - 17:00

Mikis Theodorakis Hall

Short Course: Greenness evaluation of sample preparation methods by AGREEprep
(IUPAC project 2021-015-2-500)

Instructors: F. Pena-Pereira, J.L. Benedé

18:00 - 19:10

Mikis Theodorakis Hall

Opening Session

Chairs: E. Psillakis, S. Ražić

18:00 - 18:30 **Opening Ceremony**

18:30 - 19:10 **PL-01 Microplastics in the Environment: Analytical Chemistry Methods, Sorption Material, Risks and Sustainable Solutions**
D. Barceló

19:10

Center of Mediterranean Architecture

Welcome Reception

Monday, 16th September

9:00 - 9:40

Mikis Theodorakis Hall

Plenary Lecture

Chairs: A. Chisvert, L. Vidal

09:00 - 09:40 **PL-02 Deep Eutectic Solvents: A Green Approach to the Analysis of Organic Pollutants in Complex Foodstuffs**
L. Ramos

9:45 - 10:50

Mikis Theodorakis Hall

Oral Session: New Materials and Devices

Chairs: A. Chisvert, L. Vidal

09:45 - 10:05 **KN-1 Leveraging Plastic's Potential in Sample Preparation**
J.M. Herrero-Martínez, M.J. Lerma-García, M. Beneito-Cambra, E.J. Carrasco-Correa, M. Verga-Barberán, E.F. Simó-Alfonso

10:05 - 10:20 **O-1 Advanced Sample Preparation Using 3D Printing: From Conventional to Biomimetic Solid-Phase Extraction**
E.J. Carrasco-Correa, M. Vergara-Barberán, M. Beneito-Cambra, M.J. Lerma-García, E.F. Simó-Alfonso, J.M. Herrero-Martínez, M. Miró

10:20 - 10:35 **O-2 Extraction of Emerging Contaminants from Treated Wastewater by a Polymeric Biodegradable Film and Following Analysis by Target and Non-Target LC-MS**
B. Benedetti, E. Ceccardi, H. MacKeown, M. Di Carro, R. Tauler, E. Magi

10:35 - 10:50 **O-3 Functionalized Membranes for Unveiling Metal Interactions with Microplastics and Organic Pollutants in Aquatic Systems**
C. Fontàs, N. Khatir, E. Anticó

9:45 - 10:50

Center of Mediterranean Architecture Hall

Oral Session: Green Analysis

Chairs: E. Ibañez, V. Samanidou

09:45 - 10:05 **KN-2 Nanofibers: Advanced Format of Organic Polymer-Based Materials for Sample Preparation in HPLC**
F. Švec, P. Chocholouš, L. Chocholoušová Havlíková, J. Chvojka, J. Erben, A. Háková, H. Kholová, I. Lhotská, M. Raabová, D. Šatínský

- 10:05 - 10:20 INV-1 Low Solvent Consumption Online Liquid-Gas Chromatography-Tandem Mass Spectrometry for Polycyclic Aromatic Hydrocarbon Determination in Olive Oil**
M. Zoccali, A. Arena, P.Q. Tranchida, L. Mondello
- 10:20 - 10:35 O-4 Here, There and Everywhere - Sustainable Solutions for Liquid Chromatography**
S. Lamotte, M. Legelli, M. Wirtz
- 10:35 - 10:50 O-5 Automated Preparation and Analysis of Dried Blood Spot Samples Collected by Volumetric Microsampling**
P. Kubáň, M. Dvořák, R. Maršala

10:50 - 11:30

Mikis Theodorakis Exhibition Area

Poster Session A

Sponsors Exhibition

Coffee Break

11:30 - 12:50

Mikis Theodorakis Hall

Oral Session: Environmental Analysis

Chairs: Z. Mester, G. Ouyang

- 11:30 - 11:50 KN-3 Advanced Extraction Techniques Followed by GC-MS/MS and LC-MS/MS for the Determination of Hazardous Chemicals from Tire Microplastics**
M. Llompart, A. Duque-Villaverde, S. Sónora, V. Carballeira, D. Armada, T. Dagnac
- 11:50 - 12:05 O-6 Analysis of Volatile Methylsiloxanes in Several Environmental Matrices at LEPABE**
N. Ratola, V. Homem, A. Alves
- 12:05 - 12:20 O-7 Analysis of PFAAs and Fluorotelomer Alcohols in Shower Curtains: Focus on Migration Conditions**
F. Lucarini
- 12:20 - 12:35 O-8 SMART: Sustainable Membranes as Affordable and Reliable Tools for Environmental Monitoring of Pharmaceuticals**
F. Merlo, R. Ghiglione, C. Fontàs, A. Cabrera-Codony, A. Speltini, E. Anticò, A. Profumo
- 12:35 - 12:50 O-9 On-Site Quantitation of BTEX in Atmospheric Air Using Solid-Phase Microextraction and Gas Chromatography with Photoionization Detector**
B. Kenessov, T. Kurmanbayeva, B. Bukenov, Z. Rymzhanova, N. Kazhkenova, A. Imangabassov, A. Smail, N. Karimkyzy

11:30 - 12:50

Center of Mediterranean Architecture Hall

Oral Session: Green Sensors

Chairs: S. Pedersen-Bjergaard, V. Pichon

- 11:30 - 11:50 KN-4 An Overview of Molecularly Imprinted Polymers for the Green Analysis of Pharmaceuticals by Electrochemical Sensing**
S.A. Ozkan
- 11:50 - 12:05 O-10 Paper-Based Electroanalytical Devices Equipped with CO₂ Laser-Assembled Nanostructured Conductive Films**
F. Della Pelle, A. Scroccarello, F. Silveri, D. Paolini, S. Fiori, D. Compagnone
- 12:05 - 12:20 O-11 Immobilization of Metal-Organic Frameworks in 3D Printed Devices for the Development of Fluorescent and Colorimetric Sensors Used in the Detection of Antibiotics and Heavy Metals**
M.A. Vargas-Muñoz, L. Maza, L. Ferrer, E. Palacio

12:20 - 12:35 O-12 Greening Electrochemical (EC) Analysis & Biosensing: From EC Mini-cell to Sustainable EC Sensor Solutions
A. Schulte

12:35 - 12:50 O-13 Gel Electro-Membrane Extraction: The Movement from Extraction to Sensing. Application for Fluorescence Detection of Norfloxacin
W. Alahmad, T. Samkumpim, A. Sahragard, P. Varanusupakul

12:50 - 14:20
Lunch Break

Center of Mediterranean Architecture

13:50 - 14:20

Mikis Theodorakis Hall

Workshop: AI Tools for Publishing and Research

Instructor: D. Peralta, Editor, Wiley-VCH

14:20 - 15:00

Mikis Theodorakis Exhibition Area

Poster Session B

Sponsors Exhibition

15:00 - 16:05

Mikis Theodorakis Hall

Oral Session: Deep Eutectic Solvents

Chairs: S. Cárdenas, L. Ramos

15:00 - 15:20 KN-5 Deep Eutectic Solvents in Microextraction: Benefits and Limitations
L. Vidal, S. Abellán, I. Rubio, C. Zapater, M.A. Aguirre, A. Canals

15:20 - 15:35 INV-2 The Complex World of Eutectic Solvents and Their Use in Sample Preparation
A. Gentili, C. Dal Bosco, A. Martinelli, P. D'Angelo, S. Fanali, C. Fanali

15:35 - 15:50 O-14 Natural Deep Eutectic Solvent-Based Liquid Phase Microextraction in a 3D-Printed Microfluidic Flow Cell for the On-Line Determination of Thiabendazole
M. Díaz-Álvarez, E. Turiel, A. Martín-Esteban

15:50 - 16:05 O-15 Evaluation of Deep Eutectic Solvents in the Synthesis of Molecularly Imprinted Fibers for the Solid-Phase Microextraction of Triazines in Soil
A. Martín-Esteban, A. Monnier, E. Turiel, M. Díaz-Álvarez

15:00 - 16:05

Center of Mediterranean Architecture Hall

Oral Session: Green Metrics

Chairs: J. L. Benedé, E. Psillakis

15:00 - 15:20 KN-6 Assessment of Analytical Systems by Metric Tools
F. Pena-Pereira

15:20 - 15:35 INV-3 Blueness: Criterion in Chemical Analysis
V. Samanidou

15:35 - 15:50 O-16 Greenness of Sample Preparation for Proteomic Analysis
K. Maráková, M. Opetová, R. Tomašovský, K.A. Schug

15:50 - 16:05 **O-17 Multi-Criteria Decision Analysis for Selection of Greener Chemicals for Analytical Chemistry**
M. Tobiszewski

16:05 - 16:30 **Mikis Theodorakis Exhibition Area**
Coffee Break
Sponsors Exhibition

16:30 - 17:50 **Mikis Theodorakis Hall**
Oral Session: Microextraction
Chairs: M. Llompарт, A. Martín-Esteban

16:30 - 16:50 **KN-7 Research Progress in Solid-Phase Microextraction**
G. Ouyang

16:50 - 17:05 **O-18 Green Microextraction Techniques for DBPs Monitoring**
A. Agapiou, P. Papaioakeim, E.A. Elia

17:05 - 17:20 **O-19 Assessing Water Quality: Fast, High Sensitivity Analysis of Chlorophenols and Other Common Odorants by Automated HiSorb**
L. Hearn, R. Cole, R. Szafnauer, M. Santoro

17:20 - 17:35 **O-20 SBSE to Overcome Analytical Challenges for Next-Generation Product Registration**
B. Gruber, E. Eberspach, S. Luederwald

17:35 - 17:50 **O-21 Use of the Cold Block Digestion Technique for Multi-Element Analysis of Geological Samples**
L. Marjanovic

16:30 - 18:05 **Center of Mediterranean Architecture Hall**
Oral Session: Environmental Monitoring
Chairs: A. Gentili, N. Ratola

16:30 - 16:50 **KN-8 SPME for Trace Metal Speciation**
Z. Mester

16:50 - 17:05 **O-22 New Sample Preparation Strategies for the Control of VOC in Wood-Based Panels**
R.M. Ramos, F.D. Gonçalves, R.T. Fernandes, J.R. Santos, J.A. Rodrigues

17:05 - 17:20 **O-23 Biomass Cooking and Air Quality: A Study on Volatile Organic Compounds via Thermal Desorption GC-MS**
I. Kozyatnyk, A. Rebryk, M. Njenga

17:20 - 17:35 **O-24 On the Determination of the Photodegradation Extent of Microplastics: Lights and Shadows of Micro-FTIR Spectroscopy**
E. Conterposito, M. Roncoli, C. Ivaldi, E. Perin, B. De Felice, S. Gazzotti, M.A. Ortenzi, M. Parolini, V. Gianotti

17:35 - 17:50 **O-25 X-ray Fluorescence-Based Studies of Particulate Matter on Filter**
D. Eichert, T. Hase, L. Borgese

Tuesday, 17th September

9:00 - 9:40

Mikis Theodorakis Hall

Plenary Lecture

Chairs: G. Purcaro, E. Stashenko

09:00 - 09:40 **PL-03 Progresses in the Foodomics Study of Natural Green Extracts against Alzheimer's Disease**
A. Cifuentes, G. Alvarez, J.A. Mendiola, E. Ibáñez, A. Valdés

9:45 - 10:50

Mikis Theodorakis Hall

Oral Session: Miniaturization

Chairs: E.J. Carrasco-Correa, J. M. Herrero-Martínez

09:45 - 10:05 **KN-9 What 3D Printing Has to Offer in the Liquid Phase Microextraction Field**
M. Miró, A. Sahragard, P. Kubáň, E.J. Carrasco-Correa

10:05 - 10:20 **O-26 3D-Printed Millifluidic Extraction Devices Encompassing Solid and Liquid Biopolymeric Phases**
F.A. Casado-Carmona, R. Lucena, S. Cárdenas, M. Miró

10:20 - 10:35 **O-27 Metal Nanoparticles Laser Writing on Cellulosic Substrates for Affordable Colorimetric Paper-Based Analytical Device Development**
A. Scroccarello, F. Della Pelle, P. Di Battista, D. Compagnone

10:35 - 10:50 **O-28 A Composite Hydrogel Beads for Vortex-Assisted Dispersive Micro-Solid Phase Extraction of Food Additives Followed by HPLC-DAD**
P. Nurerk, O. Bunkoed, M. Llompert, S. Hongyok

9:45 - 10:50

Center of Mediterranean Architecture Hall

Oral Session: Natural Product Analysis

Chairs: A. Gentili, L. Ramos

09:45 - 10:05 **KN-10 Extraction Strategies for Studies of Plant-Insect and Environmental Contaminant Interactions**
E. Stashenko

- 10:05 - 10:20 INV-4 Potential of Deep Eutectic Solvents in the Extraction of Pesticides from Plant Foods**
C. Fanali, S. Della Posta, M. Gherardi, A. Gentili, L. De Gara
- 10:20 - 10:35 INV-5 From “Green” to “Sustainable” Sample Preparation in the Analysis of Natural Products: Opportunities from New Materials Combined with Microextraction Techniques**
C. Cagliero, G. Bechis, A. Marengo, B. Sgorbini, P. Rubiolo
- 10:35 - 10:50 O-29 Effects of Different Extraction Methods on Antioxidant Properties of Seaweeds**
V. F. Domingues, F. Santos, S. Morais, M.J. Ramalhosa, C. Soares, C. Delerue-Matos

10:50 - 11:30

Mikis Theodorakis Exhibition Area

Poster Session C

Sponsors Exhibition

Coffee Break

11:30 - 12:50

Mikis Theodorakis Hall

Oral Session: Green Separations & Couplings

Chairs: T. Schmidt, M. Zoccali

- 11:30 - 11:50 KN-11 Combining Microextraction and Mass Spectrometry Using (Bio)Polymer Sorptive Phases Hosted in Stainless Steel Needles**
R. Lucena, J. Millán-Santiago, S. Cárdenas
- 11:50 - 12:05 INV-6 Sample Preparation and GC×GC: Fundamental Alleys to Unravel MOSH and MOAH Contamination**
G. Purcaro, A. Gorska, G. Bauwens
- 12:05 - 12:20 O-30 Dynamic Headspace Vacuum In-Tube Extraction and GC-MS for Analyzing Volatile Compounds in Various Matrices**
L.K. Tintrop, P. Fuchsmann
- 12:20 - 12:35 O-31 Breaking Barriers with Automation: Automated Vac-HS-SPME for Enhanced Detection and Workflow Efficiency**
C. Liscio, K. Ridgway
- 12:35 - 12:50 O-32 Microextraction Strategies for Lipid Peroxidation Analysis in Infant Formulae**
J.A. Custodio-Mendoza, M.A. Kurek, A.M. Carro

11:30 - 12:50

Center of Mediterranean Architecture Hall

Oral Session: Green Solvents

Chairs: C. Fanali, J.L. Benedé

- 11:30 - 11:50 KN-12 New Bio-Based and Green Solvents at High Pressure: An Option to Improve the Sustainability of Sample Preparation Methods**
E. Ibáñez, M. Strieder Martins, C.A. Balbinot, J.A. Mendiola, M.A. Rostagno, A. Cifuentes, M. Lanza, S.R.S. Ferreira
- 11:50 - 12:05 INV-7 Unconventional Solvents in Sample Preparation – Challenges Between Green and White Analytical Chemistry**
S. Ražić

- 12:05 - 12:20 O-33 Investigation of Greener Solvents for HPLC**
F. Michel, B. Peters, G. Jung, A. Piper, P. Knoell, P. Lewits, E. Machtejewas
- 12:20 - 12:35 O-34 Structural Characterization of Hydrophilic Natural Deep Eutectic Solvents, Evaluation of its Physicochemical Properties and Application to Extract Phenolic Compounds from Tea Samples**
L. Carbonell-Rozas, R. Romero-González, A. Garrido Frenich
- 12:35 - 12:50 O-35 Miniaturized Stir Bar Dispersive Liquid Microextraction (mSBDLME) along with Natural Deep Eutectic Solvent-Based Ferrofluids: A Perfect Match**
J. Grau, J.L. Benedé, A. Chisvert

12:50 - 14:20

Center of Mediterranean Architecture

Lunch Break

13:50 - 14:20

Mikis Theodorakis Hall

Vendor Seminar: Green Approach to Intensive Automation of Olive Oil Analysis According to EU Regulation

Speaker: Andrea Carretta, SRA Instruments

14:20 - 15:00

Mikis Theodorakis Exhibition Area

Poster Session D

Sponsors Exhibition

15:00 - 15:50

Mikis Theodorakis Hall

Oral Session Young Researchers I

Chairs: M. Miró, L. Vidal

- 15:00 - 15:10 YO-1 In Vitro Bioaccessibility Assessment of Tire Related Compounds, Including 6PPD and 6PPDq, Using Simulated Fluids**
S. Sónora, A. Duque-Villaverde, D. Armada, T. Dagnac, M. Llompart
- 15:10 - 15:20 YO-2 Vacuum-Assisted Headspace Solid-Phase Microextraction of Tomato Volatiles During Ripening**
A. Pateraki, E. Psillakis
- 15:20 - 15:30 YO-3 Advancements in LC-MS/MS Methodology: Quantification of Six Phosphatidylethanol Homologues in Whole Blood with Minimized Phospholipid Interference**
M.H. Maria, N.R. Neng, T. Berg
- 15:30 - 15:40 YO-4 Coupling Miniaturized Stir Bar Sorptive Dispersive Microextraction to Needle-Based Electropray Ionization Emitters for Mass Spectrometry**
A.L. López-Juan, J. Millán-Santiago, J.L. Benedé, A. Chisvert, R. Lucen, S. Cárdenas
- 15:40 - 15:50 YO-5 Gas-Diffusion Microextraction as a Sustainable Sample Preparation to Determine Fragrance Allergens**
A. Castiñeira-Landeira, A. Gomez-Feas, A.M. Carro, T. Dagnac, I.M. Valente, J.A. Rodrigues, P.J. Almeida, M. Llompart

15:00 - 15:50

Center of Mediterranean Architecture Hall

Oral Session Young Researchers II

Chairs: C. Cagliero, S. Ražić

15:00 - 15:10 **YO-6 Biomimetic Tools for Selective Solid-Phase Extraction of Pesticides in Water Intended for Human Consumptions**

N. Khaldi, A. Combès, M. Legal, V. Pichon, N. Delaunay

15:10 - 15:20 **YO-7 Advancement of Resistive Pulse Sensing for Particle Identification and Use on Environmental Samples**

E. Christie, M. Platt

15:20 - 15:30 **YO-8 Spot Test Method for Tetracycline Using Molecularly Imprinted Polymer-Coated Paper Integrated into a Portable 3D-Printed Platform with Smartphone-Based Fluorescent Detection**

D. Barzallo, E. Palacio, L. Ferrer, M. del Pilar Taboada Sotomayor

15:30 - 15:40 **YO-9 High-Throughput Spectrofluorimetric Determination of Acetone in Real Water Samples**

P. Michel, B. Coulomb, F. Robert-Peillard, J.L. Boudenne

15:40 - 15:50 **YO-10 Cellulose Acetate Microbeads Recovered from Cigarette Filters in Packed Bed Column for Water Remediation Applications**

M.G. De Cesaris, L. Antonelli, S. Grasso, A. Gentili

15:50 - 16:20

Mikis Theodorakis Exhibition Area

Coffee Break

Sponsors Exhibition

16:20 - 17:00

Mikis Theodorakis Hall

Workshop: Supporting young researchers in their publishing careers: Author and reviewer workshop

Instructors: R. van Daalen (Journal Publisher, Elsevier) and D. Barcelo (Editor, Elsevier)

16:20 - 17:00

Center of Mediterranean Architecture Hall

Round Table Discussion:

Greenness of official standard sample preparation methods (IUPAC project 2021-015-2-500)

Moderator: S. Ozkan

Speakers: S. Lamotte, Z. Mester, F. Michel, E. Psillakis, M. Santoro, M. Wolff

17:00 - 17:50

Mikis Theodorakis Hall

Oral Session Young Researchers III

Chairs: M. Miró, L. Vidal

17:00 - 17:10 **YO-11 Vacuum-Assisted SPME-GC×GC-MS for Accurate 5-HMF Determination and Volatile Profiling of Honey**

D. Eggermont, F. Pardi, G. Purcaro

- 17:10 - 17:20 **YO-12 Converting a Moka-Pot into a Green Extraction Tool for the Analysis of Performance Enhancing Drugs via HPLC-MS/MS in Dietary Supplements**
M. Baglietto, B. Benedetti, E. Castrignanò, M. Di Carro, K. Wolff, E. Magi
- 17:20 - 17:30 **YO-13 Advantages of the Use of Microwave-Assisted Technology for Lipid Analysis**
D. Ferrara, M. Beccaria, C.E. Cordero, G. Purcaro
- 17:30 - 17:40 **YO-14 Development of Novel Volatile Extraction Method for Raw and Cooked Beef Steak Using High Capacity Sorptive Extraction Thermal Desorption Gas Chromatography Mass Spectrometry**
F. Morsli, D.T. Mannion, P.G. Dunne, A.P. Molony, F.J. Monahan, K.N. Kilcawley
- 17:40 - 17:50 **YO-15 New Strategies for the Improvement of the Environmental Impact and Overall Performance of the Sample Preparation for Challenging Fragrance Samples**
G. Bechis, A. Marengo, B. Sgorbini, P. Rubiolo, C. Cagliero

17:00 - 17:40

Center of Mediterranean Architecture Hall

Oral Session Young Researchers IV

Chairs: C. Cagliero, S. Ražić

- 17:00 - 17:10 **YO-16 Synthesis of Sustainable Cyclodextrin-Based Sorbents and Their Application for the Extraction of Organic Contaminants from Environmental Water**
N. Felli, I. Francolini, L.M. Migneco, A. Gentili
- 17:10 - 17:20 **YO-17 Development of a New Sorbent Material from Rice Husk Ash for the Preconcentration of Perfluoroalkyl Substances in Environmental Waters**
P. Bianchini, F. Merlo, G. Premoli, A. Speltini, A. Profumo
- 17:20 - 17:30 **YO-18 Per- and Polyfluoroalkyl Substances Losses in Sample Pretreatment: Sample Preparation, Solid Phase Extraction, Filtration, and ENVI-carb Cleaning**
X. Huang, G. Arye, A. Ronen
- 17:30 - 17:40 **YO-19 Microbeads from Recycled Commercial Polystyrene for the In-Syringe Micro Solid-Phase Extraction of Four Opioids from Environmental and Biological Matrices**
L. Antonelli, A.I. López-Lorente, A. Gentili, R. Lucena, S. Cárdenas

20:00

Nycterida Restaurant

Conference Dinner (Ticket is Required)

Bus Transfer to the Restaurant at 19:30 from the "Clock Tower of Municipal Garden"

Wednesday, 18th September

09:00 - 10:25

Mikis Theodorakis Hall

Oral Session: Bioanalysis

Chairs: S. Ozkan, S. Pedersen-Bjergaard

- 09:00 - 09:20 **KN-13 Advances in Sample Preparation for the Analysis of Aromatic Amines as Biomarkers in Urine**
T.C. Schmidt, N. Lorenzo-Parodi, W. Kaziur-Cegla, A. Gjelstad, E. Leitner
- 09:20 - 09:35 **INV-08 New Developments in Bioanalytical Applications of Solid Phase Microextraction**
E. Boyaci
- 09:35 - 09:50 **O-36 Synthesis and Characterization of a Molecularly Imprinted Polymer for Selective Extraction of Chlordecone from Water and Biological Samples**
A. Combès, P. Bosman, M. Lambert, G. Lavison Bompard, V. Pichon
- 09:50 - 10:05 **O-37 Smart Sampling: "Spot-on" for Advanced Protein Determination from Dried Matrix Spots**
L. Reubsaet, T. Grønhaug Halvorsen
- 10:05 - 10:25 **KN-14 Miniaturizing the Already Miniaturized: New Ways to Achieve Dispersion of Magnetic Sorbents in the Analysis of Low-Volume Samples**
A. Chisvert, J.L. Benedé, J. Grau, C. Azorín, G. Peris-Pastor, A.L. López-Juan, L.M. Moreno-Calleja

10:25 - 11:00

Mikis Theodorakis Exhibition Area

Coffee Break

Sponsors Exhibition

11:00 - 12:25

Mikis Theodorakis Hall

Oral Session: Green Sample Preparation and Analysis

Chairs: E. Boyaci, V. Samanidou

- 11:00 - 11:20 **KN-15 Improved Analysis of Complex Samples Thanks to More Environmentally-Friendly and Selective Sample Preparation Methods**
V. Pichon, A. Combès, N. Delaunay
- 11:20 - 11:35 **O-38 New Amphoteric Materials for Sorptive Extraction**
R.M. Marcé, A. Moral, F. Borrull, P.A.G. Cormack, N. Fontanal

- 11:35 - 11:50 **O-39 Preconcentration of Bioactive Compounds by New Sorbent Materials: Searching for Sustainability in Solid-Phase Extraction**
A. Speltini, F. Merlo, P. Bianchini, G. De Soricellis, E.S. Sammatrice, V. Quarta, L. Ferrari, E. Calleri, C. Milanese, A. Profumo
- 11:50 - 12:05 **O-40 Planar Sorptive Phases, from Thin Films to Polymeric Coated Particles**
S. Cardenas, R. Lucena
- 12:05 - 12:25 **KN-16 Green, Sustainable and Circular Separation Science**
B. Chankvetadze

12:25 - 14:00

Center of Mediterranean Architecture

Lunch Break

14:00 - 15:30

Mikis Theodorakis Hall

Closing Session

Chairs: M. Llompart, E. Psillakis

14:00 - 14:40 **PL-04 Electromembrane Extraction – Quo vadis**
S. Pedersen-Bjergaard

14:40 - 15:30 **Closing Ceremony, Awards, Presentation of EuSP2026|GSAC2026**

15:30 - 17:00

Mikis Theodorakis Exhibition Area

Farewell coffee

17:00 - 18:30

Mikis Theodorakis Exhibition Area

Guided tour at the old harbour of Chania

Poster Session A

Monday, 16th September | 10:50-11:30

- PSA-01** **Biomonitoring of 13 Heavy Metals in Various Types of Leaves from Different Regions of Italy**
T. Pócsová, M. Maio, S. Hrouzková, P. Avino
- PSA-02** **Biomimetic Materials and 3D Printing Solid-Phase Microextraction: A Novel Approach to Study Bioaccumulation Factors of Pollutants without the Need of Animal Models**
E.J. Carrasco-Correa, A. Carrió-Roselló, C. Ochoa-Esteso, P. Molina-Brotons, M.J. Lerma-García, M. Miró
- PSA-03** **Optimization of a Method Based on MSPD Combined with GC-MS for Determination of Tire Particle Additives in Mussel**
N. Carro, I. García-Alonso, S. Sóiñora, A. Duque-Villaverde, I. García, A. Mouteira, M. Ignacio, A.M. Carro, M. Llompарт
- PSA-04** **Preparation and Evaluation of 3D-Printed Paddle-Stirrer Coated with Polymers of Different Polarity for the Micro-Solid Phase Extraction of Selected Contaminants from Environmental Water Samples**
M. Díaz-Álvarez, A. Monnier, E. Turiel, A. Martín-Esteban
- PSA-05** **Paraphenylenediamines and Other Emerging Compounds in Crumb Rubber from Leisure Facilities**
A. Duque-Villaverde, D. Armada, T. Dagnac, M. Llompарт
- PSA-06** **Analysis of 6PPD, 6PPD-quinone and Other Hazardous Chemicals from Tire Rubber in Natural Waters Using Solid-Phase Microextraction**
A. Duque-Villaverde, V. Carballeira, D. Armada, P. Nurerk, T. Dagnac, M. Llompарт
- PSA-07** **Pipette-Tip Membrane Microextraction for the Determination of Antibiotics in Natural Waters**
C. Fontàs, L. Portell, B. Alcalde, E. Anticó
- PSA-08** **Automated High-Capacity Sorptive Extraction of Volatile Per- and Polyfluoroalkyl Substances (PFAS) from Drinking water**
L. Hearn, R. Szafnauer, H. Calder, M. Santoro
- PSA-09** **Dispersive Solid-Phase Extraction Using Alginate/Graphene Oxide Composite Gel Beads for Preconcentration of Heavy Metals in Environmental Water Samples**
K. Kumrić, Đ. Petrović, K. Stanković
- PSA-10** **Photodegradation Studies of Tire Rubber Additives in Water Using Solid-Phase Microextraction**
M. Llompарт, A. Duque-Villaverde, V. Carballeira, N. Montero, T. Dagnac, A.M. Carro
- PSA-11** **Fe₃O₄/SiO₂/TiO₂ Nanocomposite for Magnetic Solid-Phase Extraction of Pharmaceuticals: Sorption and Desorption Study with MIP Application**
D. Mutavdžić Pavlović, K. Tolić Čop, D. Bakšić, I. Gabelica
- PSA-12** **Capsule Phase Microextraction Combined with Gas Chromatography-Tandem Mass Spectrometry for the Determination of Polychlorinated Biphenyls in Water Samples**
N. Manousi, G. Efstratiadis, A. Kabir, K. Furton, E. Rosenberg, G. Zachariadis, N.P. Kalogiouri
- PSA-13** **Ultrasound-Assisted Emulsification Microextraction (USAEME) for the Sensitive Determination of Different Chemical Class Herbicides in Water**
S. Sóiñora, A. Castiñeira-Landeira, T. Dagnac, M. Llompарт
- PSA-14** **Sorption Performance of Molecularly Imprinted Polymer for the Selective Extraction of Sulfamethoxazole**
K. Tolić Čop, D. Mutavdžić Pavlović, I. Čolo

- PSA-15** **Fabric Phase Extraction Empowered by the Use of Molecularly Imprinted Polymers for the Highly Selective Isolation of BPA from Water Samples analyzed by HPLC-DAD**
N.P. Kalogiouri, E. Pantazi, A. Konstantinou, A. Kabir, K. Furton, V.F. Samanidou
- PSA-16** **A Magnet-Integrated Fabric Phase Sorptive Extraction Protocol as a Front-End to GC-MS/MS for the Trace Determination of Polycyclic Aromatic Hydrocarbons in Water Samples**
N.P. Kalogiouri, N. Manousi, A. Beina, A. Kabir, K. Furton, E. Rosenberg, G. Zachariadis
- PSA-17** **Extraction of Phenolic Compounds from Olive Pomace Using Supramolecular Deep Eutectic Solvent**
G. Pietrangeli, S. Della Posta, C. Maggi, C. Fanali
- PSA-18** **β -Cyclodextrin and Levulinic Acid Based Supramolecular Deep Eutectic Solvent: Characterization and Applications for the Extraction of Bioactive Molecules**
V. Terrigno, S. Della Posta, C. Fanali
- PSA-19** **β -Cyclodextrins - Coated Magnetic Nanoparticles: Synthesis, Characterization, and Adsorption Studies**
M.C. Frondaroli, S. Della Posta, C. Fanali
- PSA-20** **The Solvent-Assisted Dispersive Solid-Phase Extraction for Determination of Anionic Surfactant with UV-Vis Detection**
S. Zaruba, V. Andruch
- PSA-21** **Vial-Coated Thin Film Microextraction for Perfluorinated Carboxylic Acids (PFCAs) Determination in Water Samples by GC-MS**
J.M. Luna-Díaz, L. Ferrer, L.O. Leal-Quezada, E. Palacio
- PSA-22** **Modern Trends in Pre-Analysis in Clinical Research and Routine Practice**
L. Kujovská Krčmová, Ch. Suwanvecho, N. Přivratská, D. Turoňová, L. Matysová, V. Blaha
- PSA-23** **Preconcentration of Bromide and Bromate by In-Vessel Headspace Liquid-Phase Microextraction Followed by Their Spectrophotometric Determination**
A. Vishnikin, A.-E. Tamen, Y. Bazel
- PSA-24** **Untargeted Metabolomics for Monitoring Sinularia Soft Coral Response to Elevated Sea Temperature**
N.M. Hegazi, M. Emam, T. Mohamed, M. Al-Hammady, M. Hegazy, H. Gross
- PSA-25** **Optimized Liquid-Liquid Extraction Method for the Determination of Buprenorphine and Its Main Metabolite in Commercial Plasma Using HPLC-UV**
M. Gumustas, C.H. Bozmaoglu, K.C. Tok, H.S. Suzen
- PSA-26** **Rapid Methods for Determining the Total Content of Jet Fuel in Soil for Forensic Environmental Studies**
M. Alimzhanova, B. Abdykarimov, M. Mamedova, A. Suleime
- PSA-27** **Method Optimization Strategy for Headspace-Based Extraction of Volatile Contaminants in Wastewater-A Green Analytical Approach**
P. Gupta, E. Stanislaus, V. Murugan, U. Dhagat, D. Shinde, N. Sayed, R. Tadala, B. Karubothula, S. Bin Salem, R. Szafnauer, W. Elamin, G. Brudecki
- PSA-28** **A Survey of Total Selenium in Soil, Maize Plants, and Maize Flour by Inductively Coupled Plasma Tandem Mass Spectrometry (ICP-MS/MS): A Case Study for South Africa**
N. Takata, A. Botha, P.N. Nomngong

Poster Session B

Monday, 16th September | 14:20-15:00

- PSB-01** **Quantitation of Intact Proteins in Biological Fluids Using CZE-MS with Off-Line Microelution SPE Sample Pretreatment**
M. Opetová, R. Tomašovský, P. Mikuš, K. Maráková
- PSB-02** **Targeted UPLC-ESI QQQ MS/MS Analysis of Bile Acids in Saliva and Gastric Juice: A Possibility for Early Non-Invasive Diagnosis of Barrett's Oesophagus**
M. Laštovičková, P. Itterheimová, V. Dosedělová, P. Kubáň, Š. Konečný, J. Dolina
- PSB-03** **One Step Derivatization and Switchable Hydrophilic Solvent Microextraction for the Determination of Adamantine Analogues in Human Urine by HPLC-FLD**
M. Ntorkou, P.D. Tzanavaras, C.K. Zacharis
- PSB-04** **A Green Liquid Phase Microextraction Using Phthalic Acid as Switchable Hydrophilicity Solvent for the HPLC Determination of Sildenafil in Human Urine**
M. Ntorkou, A. Doumtsi, S. Solomou, B. A. Gontad, P.D. Tzanavaras, C.K. Zacharis
- PSB-05** **Dispersive Pipette Tips Extraction for Vitamin K Analysis**
N. Přívratská, Ch. Suwanvecho, D. Turoňová, L. Kujovská Krčmová
- PSB-06** **Blood Microsampling Devices in Global Untargeted Metabolic Profiling**
D.M.S. Silva, M. Thaitumu, G. Theodoridis, P. Louail, J. Rainer, H. Gika
- PSB-07** **Dried Blood Spot Devices: Precise, Convenient, and Patient-Friendly Devices for Analysis of Vitamin A and E**
Ch. Suwanvecho, N. Přívratská, D. Turoňová, L. Kujovská Krčmová
- PSB-08** **Modernizing Diagnostics: Efficient Routine Vitamin K Analysis with a Focus on Metabolic Disorders**
D. Turoňová, K. Mrštná, Ch. Suwanvecho, N. Přívratská, L. Kujovská Krčmová
- PSB-09** **Analysis of Biothiols in Non-Invasive Samples by Capillary Electrophoresis with Laser Induced Fluorescence and Amine Group Derivatization**
J. Volanek, P. Itterheimova, P. Kuban
- PSB-10** **Investigation of Biologically Active Components from Karau Eryngium (Eryngium Karaticum Iljin)**
N. Meirbekov, M. Sergazina, Y. Syrgabek, Y. Saltanat, M. Alimzhanova
- PSB-11** **Geographical Origin Authentication of Cretan Thyme Honey Using Vacuum-Assisted Headspace Solid-Phase Microextraction Arrow**
A. Pateraki, E. Psillakis
- PSB-12** **Enhancing Oxidative Stability Analysis in Adult Nutrition Formulas Using Microextraction Techniques and GC-MS**
A.M. Carro, J.A. Custodio-Mendoza, A.R. Silva
- PSB-13** **Bisphenols Content in Mussel as Sentinel of Surface Sea Waters Coming from Galician Rías**
N. Carro, A. Portela, J. Cobas, I. García, A. Mouteira, M. Ignacio
- PSB-14** **Fast HPLC-UV for Total Amino Acid Determination through Ultrasound-Accelerated Acid Hydrolysis**
J.A. Custodio-Mendoza, M.A. Kurek, P. Pokorski
- PSB-15** **Comparison of Microwave-Assisted Saponification and Extraction Methods for MOH Determination in Meat**
D. Ferrara, P. Albendea, G. Purcaro

- PSB-16** **Aptamer-Modified Magnetic Nanoparticles for Extraction of Milk Protein Allergen α -Lactalbumin from Foodstuffs**
M.J. Lerma-García, R. Mínguez-Peláez, N. Piqueras-García, M. Vergara-Barberán, J.M. Herrero-Martínez
- PSB-17** **Design and Application of a 3D-Printed Device Coated with Solid-Phase Extraction Resins: An Alternative to QuEChERS for Extraction and Quantification of Five Pesticide Residues in Honey Samples via UHPLC-UV**
D. Lupu, G. Hancu, L. Ferrer
- PSB-18** **Development of a Direct Liquid-Liquid Extraction Method Combined with UHPLC- DAD for the Determination of Seven Flavonoids in Extra Virgin Olive Oil**
E. Palacio, L. Bonilla, T.S. Sammani, L. Ferrer
- PSB-19** **Improving Juice Processing Quality and Efficiency with a Novel Pectin Lyase**
M. Pavlović, M. Ristović, N. Drulović, M. Šokarda Slavić, Z. Vujčić, A. Margetić, S. Stojanović
- PSB-20** **Extraction and Determination of Steroid Saponins in Tribulus Terrestris Nutraceuticals with Validated UHPLC-CAD Method**
M. Sanderová, D. Šatinský
- PSB-21** **Plant-Based and Same Great Taste? Finding Off-Flavours Causing Negative Consumer Perception of Pea Milk Using High Capacity Sorptive Extraction (HiSorb)**
M. Santoro, L. Hearn, J.P. Mayser, R. Szafnauer
- PSB-22** **Enzymatic Production and HPLC-RID Analysis of Prebiotic Oligosaccharides in Functional Foods**
S. Stojanović, M. Ristović, M. Pavlović, B. Dojnov, N. Božić, Z. Vujčić, A. Margetić
- PSB-23** **Rapid Analysis of Phenolic Compounds in Plant-Based Milk Alternatives: A Smartphone-Based Approach**
M. Tobiszewski, L.A. Yahya, C. Vakh
- PSB-24** **Influence of Grape Pomace Addition on the Nutritional and Functional Value of Maize Extrudates**
M. Ungureanu-luga, S. Mironeasa, A. Batariuc, C. Mironeasa
- PSB-25** **Compliance with Current Regulations on Allergens and Hazardous Compounds in Hydroalcoholic Gels**
A. Castiñeira-Landeira, L. Vazquez, T. Dagnac, M. Celeiro, M. Llompart
- PSB-26** **Metabolome Diversity of Nine Apiaceae Fruits and their Anti-Cellulite Potential**
N.M. Hegazi, M.A. Salem, H.H. Saad, N.M. Aborehab, M.H. El Bishbishy, S.M. Ezzat
- PSB-27** **Synthesis and Characterization of Aptamer-Modified Hybrid-Silica Monolithic Capillary for Extraction of Amyloid Peptides**
A. Combès, I.D. Souza, M.E.C. Queiroz, V. Pichon

Poster Session C

Tuesday, 17th September | 10:50-11:30

- PSC-01 Voltammetric Procedure for the Determination of Ce(III) in Environmental Waters Utilizing Accumulation on a Multi-Walled Carbon Nanotubes Modified Screen-Printed Electrode**
M. Grabarczyk, M. Fialek, E. Wlazlowska
- PSC-02 Cathodic Stripping Voltammetry Using a Solid Bismuth Microelectrode for the Determination of Trace Amounts of Se(IV) in Environmental Water**
M. Grabarczyk, M. Fialek, C. Wardak
- PSC-03 A Synergistic Approach for the Co-production of Hydrogen and Nanocarbon from Plastic Waste via Thermo-catalytic Route**
A. Rafey, E. Ahmad, K.K. Pant, S. Upadhyayula
- PSC-04 Development of Analytical Green Methodologies for The Detection of Contaminants of Emerging Concern**
M.A. Andino-Enríquez, S. Taglianetti, D. Fabbri, C. Medana, F. dal Bello, P. Calza
- PSC-05 Sustainable Biocatalysis: Exploiting Hemp Waste for Lipase Immobilization and Oleic Acid Esterification**
V. Chiappini, D. Casbarra, M.L. Astolfi, A.M. Girelli
- PSC-06 Solvent-Free Reactions as a Key to the Synthesis of Organoboron Compounds**
G. Hreczycho, K. Kuciński, H. Stachowiak-Dłużyńska
- PSC-07 Reusing and Recycling 3D Printed Devices Coated with Solid-Phase Extraction Resin for Extraction of Antidepressants in Water: Towards a Truly Sustainability**
B. Mejía, L.O. Leal, L. Ferrer
- PSC-08 Comparison of Official Analytical Methods with Corresponding Methods Using SPME for Their Greenness**
F. Michel
- PSC-09 Simple and Rapid Determination of Salivary Lysozyme in Real Samples by tITP-CZE-UV**
R. Tomašovský, M. Opetová, P. Mikuš, K. Maráková
- PSC-10 Microflow LC-MS: A Step Towards Reconciling the Reduction of Environmental Impact and Analytical Performances in the Context of Green Chromatography**
L. Durand, B. Giroud, L. Wiest, E. Vulliet
- PSC-11 Utilization of Caffeine as a Potential Enhancer for Heat Transfer Fluids**
J. Panić, N. Cako Bagány, S. Papović, T.T. Borović, A. Vukov, S. Belić, S. Gadžurić, M. Vraneš
- PSC-12 An Updated Gradient PLE-SPE×HPLC-PDA System for Extraction, Fractionation, and Analysis of Valuable Compounds from Cocoa Bean Shells**
F.S. Bragagnolo, M.M. Strieder, V.L. Sanches, M. Gonzalez-Miquel, M.A. Rostagno
- PSC-13 Introduction of High Performance Liquid Chromatography coupled to Zone Fluidics as a Versatile Approach for Derivatization Reactions**
A. Tsiasioti, C. K. Zacharis, P. D. Tzanavaras
- PSC-14 Pulsed – Post Column Derivatization Coupled to High Performance Liquid Chromatography: A new Concept to Minimize the Reagent Consumption**
A. Tsiasioti, P.D. Tzanavaras

- PSC-15 On Site Analytical Strategies to Monitor Organic and Inorganic Pollutants in Fish Farms**
P. Calza, F. Cristaudo, M.A. Andino-Enríquez, M. Tramontini, D. Fabbri, P. Inaudi, A. Giacomino
- PSC-16 In-Situ Arsenic(III) Colorimetric Detection Exploiting Hydride Generation and Metal Organic Framework Ag-BTC Integrated in a 3D-Printed Millifluidic Device**
L. Maza, M.A. Vargas-Muñoz, L. Ferrer, E. Palacio
- PSC-17 Lab-on-Paper Colorimetric Device for Extraction-Free Phenolic Fraction Evaluation in Olive Oil**
A. Scroccarello, F. Della Pelle, I.V. Di Cristoforo, M. Del Carlo, D. Compagnone
- PSC-18 Europium-Based Luminescent Metal-Organic Framework (Eu-MOF) Immobilized on a 3D-Printed Device as a Multisample Fluorescent Sensor for In-Situ Smartphone-Assisted-Detection of Tetracyclines in Water Samples**
M.A. Vargas-Muñoz, G. Turnes, L. Ferrer, E. Palacio
- PSC-19 Electrochemical Sensor Manufactured on Algae-Paper Equipped with Nanobiochar from By-products for Bisphenol-A Determination in Zebrafish Embryo Model**
F. Della Pelle, F. Silveri, A. Scroccarello, C. Merola, R. Cancelliere, L. Micheli, D. Compagnone
- PSC-20 Automated Preparation of Multi Compound Calibration Standards According to SANTE Requirements**
H.-J. Huebschmann, T. Breski
- PSC-21 Whey Proteins as a Source of Essential Minerals Evaluation of More Environmentally Friendly Analytical Methods**
J. Jablan, E. Margui, B. Bilandzija, L. Budic, T. Videkovic
- PSC-22 Catalysis of [3+2] Cycloadditions by Acetic Acid Using Microwaves or Ultrasound**
I. Damljanović, J. Bugarinović, D. Stevanović, M. Pešić
- PSC-23 Audio-Tactile Pictures for Teaching Spectrometry to Individuals with Visual Impairments Towards Accessibility**
V. Samanidou, N. Manousi, N. Kalogiouri, L. Isaraj, E. Chronopoulou, K. Papadopoulos
- PSC-24 Advancements in Electrolyte Modification for Enhanced Safety and Sustainability in Lithium-Ion Batteries**
N. Cakó Bagány, J. Panić, T.T. Borović, S. Papović
- PSC-25 Natural Deep Eutectic Mixture as Environmentally Friendly Solvent for Pharmaceutically Active Ionic Liquid**
N. Cako Bagány, J. Panić, S. Papović, T.T. Borović, A. Vukov, S. Belić, S. Gadžurić, M. Vraneš
- PSC-26 SERS-Based Sandwich Immunoassay Platform for Non-Invasive Determination of IgG**
A. Gumustas, H. Torul, M. K. Ulku, M.A.S. Arian, U. Tamer, E. Yildirim
- PSC-27 Polydopamine-Coated Steel Wire: Thin Film Microextraction Methodology for Diazepam and Nordazepam Detection**
K.C. Tok, T. Karasu, C.H. Bozmaoglu, L. Uzun, M. Gumustas
- PSC-28 Vacuum-Assisted Headspace Solid-Phase Microextraction Analysis of Energy Drinks**
Y. Syrgabek, M. Alimzhanova

Poster Session D

Tuesday, 17th September | 14:20-15:00

- PSD-01** **Molecularly Imprinted Polymer-Coated Toothpicks for the Determination of Diazepam and Major Metabolite**
C.H. Bozmaoglu, T. Karasu, K. Can Tok, L. Uzun, M. Gumustas
- PSD-02** **Supported Liquid Extraction Using Wetted Nanofibrous Discs as a Simple Approach for In Vial Extraction Prior to Chromatography Analysis**
E. Czyz, D. Šatinský
- PSD-03** **Upcycling Plastic Wastes as Supports for Preparation of Metal-Organic Framework-Based Sorbents**
J.M. Herrero-Martínez, M.A. Martínez-Briones, M. Vergara-Barberán, M. Beneito-Cambra, E.F. Simó-Alfonso, M.J. Lerma-García
- PSD-04** **Core Shell Particles with Strong Cationic Exchange Moieties as Selective Material**
R.M. Marcé, A. Moral, F. Borrull, P.A.G. Cormack, N. Fontanals
- PSD-05** **A Novel Automatic Flow-Batch Liquid-Liquid Microextraction Lab-in-Syringe Platform Based on Natural Deep Eutectic Solvents for Toxic Metal Determination**
N. Manousi, V. Christoforou, C.K. Zacharis, A. Anthemidis
- PSD-06** **Evaluation of Metals Leachability from 3D Printed Analytical Devices**
E. Palacio, A. Figuerola, M. Marí, L. Ferrer
- PSD-07** **Polyvinyl Chloride Coated Paper Post-Modified with Diphenylamine: A Sustainable Sorptive Phase to Extract Opioids from Saliva Samples**
A. Pedraza-Soto, C. Calero-Cañuelo, R. Lucena, S. Cárdenas
- PSD-08** **Strong Cation Exchange Microparticles Immobilized on Paper for the Selective Isolation of Opioids in Biofluids**
A. Pedraza-Soto, R. Lucena, S. Cárdenas
- PSD-09** **Use of Waste Plastics as Selective Supports for the Analysis of Cow's Milk Allergens**
M. Vergara-Barberán, I.F. Colonescu, T. González-Sanz, M. Beneito-Cambra, M.J. Lerma-García, J.M. Herrero-Martínez
- PSD-10** **Development of an Affinity Sorbent in a Paper-Based Device for Lysozyme Extraction in Foods**
M.J. Lerma-García, N. Piqueras-García, M. Vergara-Barberán, J.M. Herrero-Martínez
- PSD-11** **Identification of Organic Compounds Released from 3D Printed Devices by GC-MS**
B. Mejía, A. Figuerola, L. Ferrer, E. Palacio
- PSD-12** **Comprehensive Analysis of Volatile Carbonyl Compounds in Wood-Based Panels Through Gas-Diffusion Microextraction Combined with HPLC-DAD**
R.M. Ramos, F.D. Gonçalves, M.L. Almeida, J.M. Martins, L.H. Carvalho, J.A. Rodrigues
- PSD-13** **Development of Low-Cost Extraction Platforms Modified with Metal-Organic Frameworks for the Analysis of Emerging Pollutants**
M. Vergara-Barberán, M.Á. Martínez-Briones, M.J. Lerma-García, J.M. Herrero-Martínez
- PSD-14** **GC×GC Analysis of Organics Leached from Cigarettes and Heat-not-Burn Tobacco Products**
I. Kandylioti, E. Psillakis
- PSD-15** **Green Multi-Residue Pesticide Extraction from Food Samples Using Natural Deep Eutectic Solvents**
L. Carbonell-Rozas, I. Aloisi, L. Righetti, A. Garrido Frenich, H. Mol

- PSD-16 Hydrocarbon Oil Index: Scale Down Approach for Automation of C10-C40 According to UNI EN ISO 9377-2**
A. Carretta
- PSD-17 Developing Preanalytical Method for the Extraction and Preconcentration of Non-Steroidal Anti-Inflammatory Drugs from Wastewater Samples Using Ionic Liquid-Based Aqueous Biphasic Systems**
A. Dimitrijević, A. Jocić, S. Marić, D. Tekić, J. Mušović
- PSD-18 In-Syringe Dispersive Solid Phase Extraction of Selected Alkyl-Phenols Coupled Online to HPLC**
T.T.M. Htet, B. Horstkotte, H. Sklenářová
- PSD-19 New Developments for MOSH/MOAH Automated Analysis**
H.-J. Huebschmann, T. Uber
- PSD-20 Green Approach Strategy Using Aqueous Biphasic Systems with Ionic Liquids as Pre-Treatment Method for Pesticide Determination in Food Sample**
A. Jocić, S. Marić, D. Tekić, J. Mušović, A. Dimitrijević
- PSD-21 Green Extraction of Pesticides in Pear by Matrix Solid Phase Dispersion combined with Natural Deep Eutectic Solvents**
A. Martín-Esteban, E. Miguel, A.I. García-Valcárcel
- PSD-22 A Composite Cryogel Embedded in a Needle Hub for Miniaturized In-Syringe Solid Phase Extraction of Preservatives in Beverage Samples Followed by HPLC-DAD Analysis**
P. Nurerk, O. Bunkoed, J. Sapphanachai
- PSD-23 Experimental Design and Optimization of the Fabric Phase Sorptive Extraction of Anti-Diabetic Drugs in Water**
A. Misolas, M. Sleiman, V. Sakkas
- PSD-24 3D Printed Device for In-Situ Solid-Phase Extraction of Six NSAIDs from Wastewater and Subsequent Analysis by UPLC-DAD/FLD**
C. Castro-García, R. Rodríguez-Maese, L.O. Leal-Quezada, E. Palacio, L. Ferrer
- PSD-25 Activated Carbon from Grapefruit Peel as Sorbent Phase for Microextraction Technologies**
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- PSD-26 Development of a Fluidic Platform for Easy Monitoring of Superoxide Anions**
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- PSD-27 Extraction of Terbinafine from Poly(lactic-co-glycolic Acid) Based Solid Dispersions Prior to Its Determination by Fast, Sensitive UHPLC-DAD Method**
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