



# Conference summary



**4 days**

**37 hours of broadcasting**

**147 average attendees each day**

## Presented papers

Total 185

Oral presentations 73

Posters 98

Invited lectures 14

## Sessions

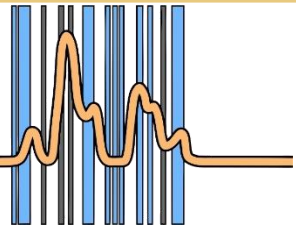
14 Oral

2 Plenary

3 Poster

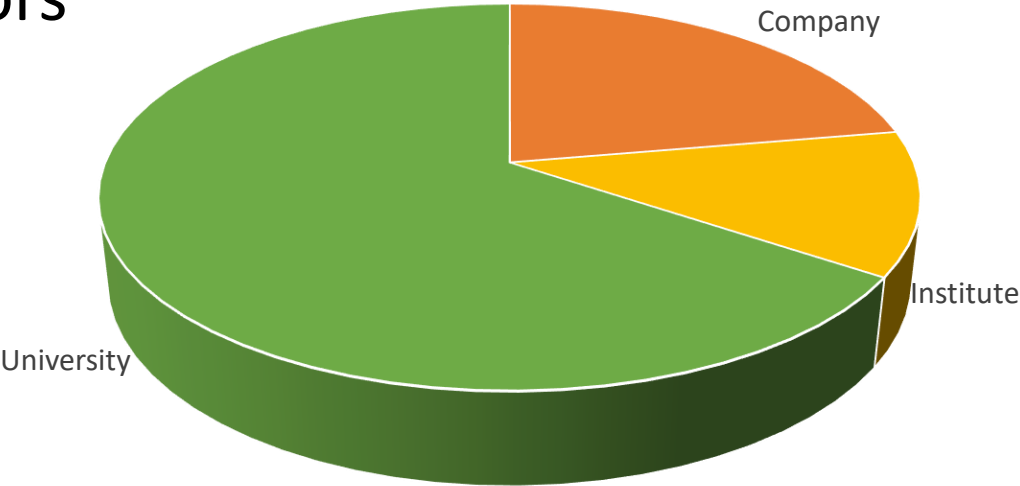
Virtual exhibition

IMA-2021

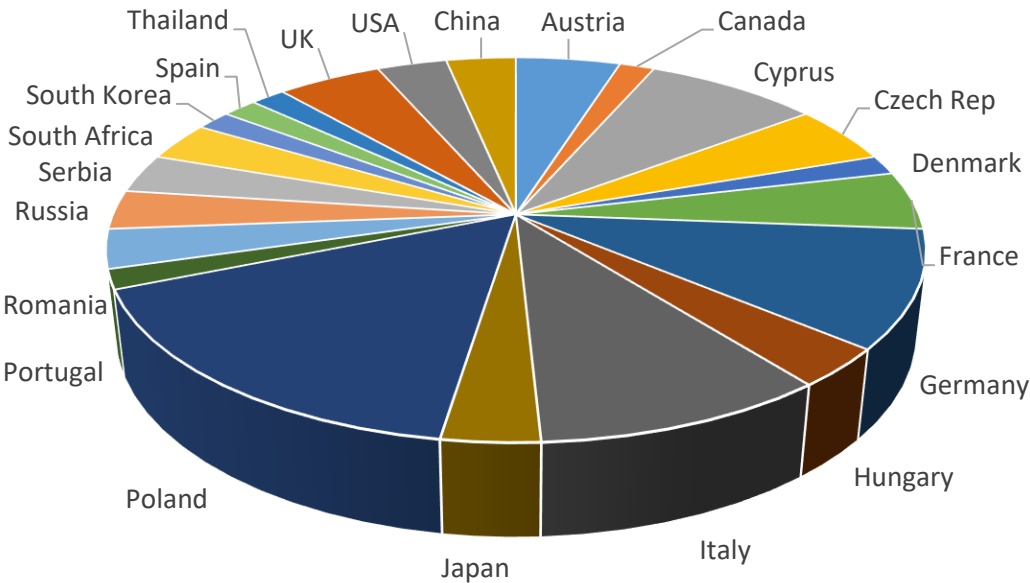


Total 259  
Greece 159

Sectors



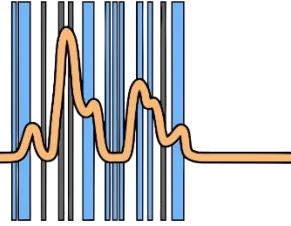
Countries





# Major sponsors

IMA-2021

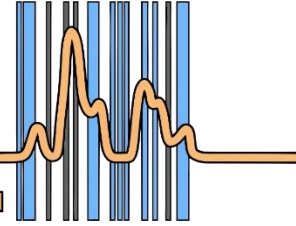


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# Supporters

IMA-2021



*micromachines*



**Pegasus S.A.**  
Scientific & Laboratory Equipment



*analytica*



*applied sciences*





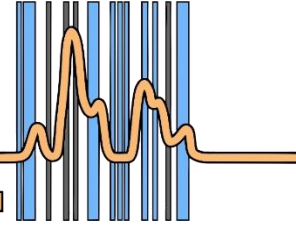


All accepted abstracts will be published as open-access documents in the MDPI Applied Sciences (impact factor 2.679) Special issue dedicated to IMA-2021

Publication of the abstract will be free of charge for all participants

The image shows the cover of a special issue for the journal "Applied Sciences" by MDPI. The cover has a dark blue background. At the top left is the MDPI logo (three test tubes) and the journal title "applied sciences" in a white serif font. Below the journal title is the text "an Open Access Journal by MDPI". At the top right are two circular logos: a yellow one for "IMPACT FACTOR 2.679" and a blue one for "CITESCORE 3.0 SCOPUS". In the center, the title of the special issue is written in white: "12th International Conference on 'Instrumental Methods of Analysis'—IMA 2021". Below this, the "Guest Editors" are listed: "Prof. Dr. Manassis Mitrakas, Prof. Dr. Maria Ochsenkuhn-Petropoulou". The "Deadline" is given as "20 November 2021". At the bottom left is the URL "mdpi.com/si/90273". At the bottom right, the words "Special Issue" are written in a large, white, serif font, with "Invitation to submit" in a smaller font below it.

IMA-2021



*analytica*

All fields covered by the conference.

Submissions through the conference will receive a **full-waiver** for article processing charges.







All fields covered by the conference.

Submissions through the conference will receive a 20% discount for article processing charges.





Sensors, Multiphysics, Mobile analytical instruments, Robotics and automation, Miniaturized analytical systems, Multiscale modelling, Design of devices and systems.

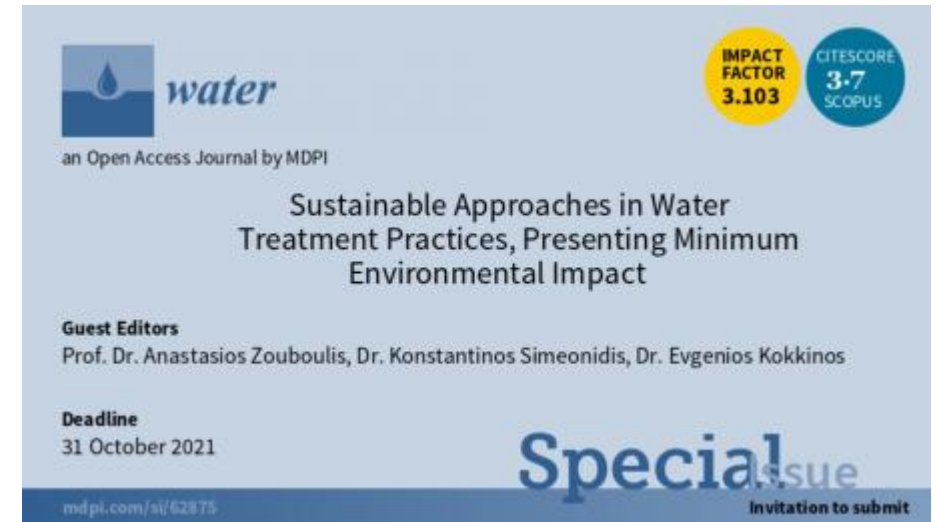
All submissions through the conference will receive a **500 CHF discount** for article processing charges.



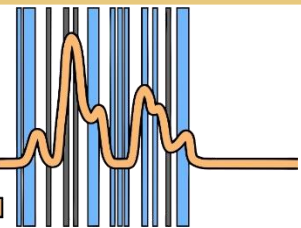


Application of analytical techniques for sustainable water treatment.

Submissions through the conference will receive a 20% discount for article processing charges.



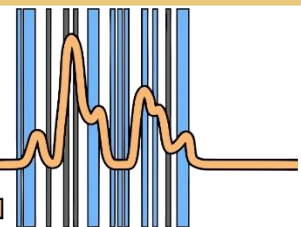
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# Awards for studies related to X-ray Spectroscopy



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# Best Oral presentation award related to X-ray Spectroscopy

400 euros sponsored by EXSA

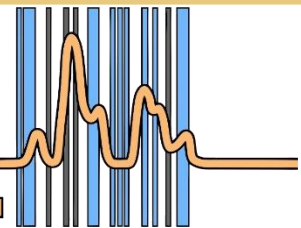


**Total reflection X-ray fluorescence reference materials for cascade impactor air quality monitoring systems**

**L. Vigna, M. Gottschalk, E. Cara, F. Ferrarese-Lupi, A. Verna, S.L. Marasso, S. Seeger, L. Boarino, N. De Leo, F.C. Pirri, M. Cocuzza**

Politecnico di Torino/Bundesanstalt für Materialforschung und -prüfung (BAM)/Istituto Nazionale di Ricerca Metrologica/CNR-IMEM, Parma/Istituto Italiano di Tecnologia

IMA-2021



## Best Poster award related to X-ray Spectroscopy

**P1-06**

200 euros sponsored by EXSA



**X-ray fluorescence mapping of  $\text{Gd}_{0.6}\text{Eu}_{0.4}\text{VO}_4$  nanoparticles in tissues**

**E. Proiou, F. Pinakidou, E. C. Paloura, M. Abdesselem, N. Pétri, T. Gacoin, C. Laplace-Builhé, A. Alexandrou, M. Katsikini**

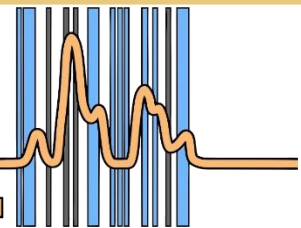
Artistotle Univeristy of Thessaloniki/Institut Polytechnique de Paris/Photon Imaging and Flow Cytometry,  
CNRS





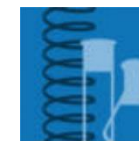
# Awards

IMA-2021



## Best Poster award

500 CHF sponsored by MDPI Analytica



*analytica*



**Simplifying edible oil analysis by automating the transesterification process through the development of a 3D-printed continuous flow system**

**A. du Preez, B. Khuzwayo, R. Meijboom, C. Arderne, E. Smit**

**Research Centre for Synthesis and Catalysis, University of Johannesburg**



# Best Oral presentation award

in the field of sensors, instrumentation and multiphysics simulation

500 \$ sponsored by MDPI Micromachines



*micromachines*

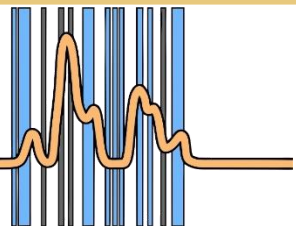


## PCR-free Hepatitis B Virus determination by Electrogenerated Chemiluminescence

**P. Nikolaou, S. Petralia, A. Zanut, G. Valenti, S. Conoci, L. Prodi, F. Paolucci**

University of Bologna/University of Catania/New York University/University of Messina

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## Second Poster award



Analyst



Sensors &  
Diagnostics



JAAS



Analytical  
Methods

£100 credit RSC book e-voucher

**P1-05**

**Monitoring Fracture Healing in Mice Tibia Using Raman Spectroscopy and X-ray Microtomography**

**P. Giannoutsou, A. Karavalasi, E. Maggiorou, A. Kaspiris, E. Mourkogianni, C. Kontoyannis, E. Papadimitriou, M. Orkoulas**

University of Patras/Institute of Chemical Engineering Sciences, FORTH

**P2-11**

**Simultaneous speciation analysis of arsenic and selenium species in seafood and onion samples by HPLC-ICP-MS**

**K. Karaś, D. Jakkielska, A. Ziōła-Frankowska, M. Frankowski**

Adam Mickiewicz University, Poznan, Poland

**P3-21**

**Laser-induced breakdown spectroscopy (LIBS) combined with machine learning models and neural networks for the classification of hard tissue remains**

**L. Spanos, P. Siozos, A. Koropoulis, N. Hausmann, M. Holst, P. Pavlidis, D. Anglos**

University of Crete/Foundation for Research and Technology-Hellas/Niedersächsisches Institut für historische Küstenforschung/University of York/York Osteoarchaeology Ltd

**P1-34**

**Combination of library-free and library-based metabolomics protocols for the characterization of anti-cancer drug Carfilzomib administrated to mice**

**I. Barla, P. Efentakis, S. Lamprou, P-E. Nikolaou, E. Kastitis, M.A. Dimopoulos, E. Terpos, I. Andreadou, N. Thomaidis, E. Gikas**

National and Kapodistrian University of Athens



**See you in  
IMA-2023**