

A decorative border composed of various molecular structures, including spheres of different sizes and colors (blue, green, grey) connected by lines, framing the central text area.

The Analytical Chemistry Group at the University of Molise

— Prof. Pasquale Avino —

Lecture hall of IMI

October 25, 2023 at 10 am



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Colloquium of the Institute for Medical Research and Occupational Health

Lecture title: The Analytical Chemistry Group at the University of Molise

Lecturer: Prof. Pasquale Avino

Department of Agricultural, Environmental and Food Sciences, University of Molise, via De Sanctis 1, 86100 Campobasso, Italy

Time and place: October 25, 2023. at 10 am, Lecture hall of Institute for Medical Research and Occupational Health, Ksaverska cesta 2, Zagreb, Croatia

Abstract

The University of Molise is made of 6 departments (Agriculture, Bioscience, Economy, Law, Medicine, Classics), 40 degree courses including national and international ones, 8024 students including bachelors, masters and Ph.D. students, and 589 professors/researchers.

The Analytical Chemistry Group is devoted to develop new analytical methodologies for determining contaminants in different environmental and food matrices. The application of the analytical procedures or protocols to the real samples is the main goal of this group. Basically, we focus our attention on microplastics, persistent organic pollutants (POPs), particulate matter, biomonitoring, indoor air quality and biogas for renewable energies. At moment we are involved in three big projects, mainly Life AUGIA, Horizon EDIAQI and INAIL BRIC, along with different opened contracts. All these projects are related to the relationship between environmental problems and human health, except the Life AUGIA which is devoted to the gasification issue.

T +385 01 4682 500

E info@imi.hr

A Ksaverska cesta 2, 10 000 Zagreb, Hrvatska

W www.imi.hr



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Curriculum Vitae

Pasquale Avino received his Master Degree in Chemistry in 1992 and his Ph.D. in Chemical Sciences at the University of Rome "La Sapienza" in 1997. He was appointed as Post-Doc (1997-1998) at the Department of Chemistry of the University of California, Irvine (UCI) in the Rowland (Nobel Prize in chemistry in 1995) and Blake group. From 1999 until January 2018, he was appointed as Researcher at the ISPEL/INAIL Research Center and from February 2018 to January 2021 Prof. Avino was appointed as Three-years Term Researcher contract (RTDB) and from February 2021 he is currently Associate Professor at the Department of Agricultural, Environmental and Food Sciences of the University of Molise, Campobasso, in Analytical Chemistry and Environmental Chemistry. He is following the studies devoted to the development of innovative analytical methodologies for development and application of analytical and sampling methods for the qualitative and quantitative determination of chemical compounds (e.g., contaminants, pollutants, nutrients) in food, agricultural, biological and anthropogenic matrices. He was the recipient of the "Group Achievement NASA Award" in 1998. In 1998 he was awarded with the "Next Generation Award" during the 22nd International Symposium on Chromatography. In 2003 he was the recipient of the "Environmental Sapio" Award for his research in the environmental field. In 2022 he received the Medal for Ecology from the Moldavian Chemical Society. Prof. Avino is author and co-author of different scientific publications including original papers published on national and international journals and books (from Scopus data-base, <https://www.scopus.com/authid/detail.uri?authorId=55916508700>: 207 papers, 4048 citations, h-index 39).

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W www.imi.hr