

Victoria Samanidou

Subjects: Chemistry, Analytical

Contributor: Victoria Samanidou

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Basic Information



Name: Victoria Samanidou
(Jan 1963–)

Birth	Greece
Location:	
Title:	Professor
Affiliation:	Aristotle University of Thessaloniki
Honor:	Unknown

1. Brief Introduction

Dr Victoria Samanidou is Full Professor and Director of the Laboratory of Analytical Chemistry in the Department of Chemistry of Aristotle University of Thessaloniki, Greece.

Her research interests focus on the development of sample preparation methods using sorptive extraction prior to chromatographic analysis. She has co-authored 202 original research articles in peer reviewed journals and 60 reviews, 66 editorials/in view and 52 chapters in scientific books (h-index 41, Scopus Author ID 7003896015, 5752 citations, Web of Science Researcher ID AAE-4121-2020). She is editorial board member of more than 30 scientific journals and guest editor in more than 29 special issues. She has peer reviewed more than 696 manuscripts for 149 scientific journals

2. Research Interests

2.1. Development and validation of analytical methods for the determination of inorganic and organic substances using chromatographic techniques:

- High Pressure Liquid Chromatography (HPLC).
- Liquid Chromatography Tandem Mass Spectrometry (LC-MS/MS).
- High Pressure Ion Chromatography (HPIC).
- Gas Chromatography (GC)

2.2. Development and optimization of methodology for sample preparation of various samples eg food, biological fluids etc, in terms of selective extraction of analytes, using modern sample pre-treatment techniques such as solid phase extraction, matrix solid phase dispersion, membranes, sonication, microwaves etc.

2.3. Study of new chromatographic materials used in separation and sample preparation (polymeric sorbents, monoliths, carbon nanotubes, fused core particles etc) compared to conventional materials.

2.4. Application of HPLC in the analysis of different samples such as food, biological fluids, pharmaceuticals, environmental, forensics etc.

3. Experience

3.1. From 20-7-86 to 25-8-86:

Institute of Ecological Chemistry, in GSF, Attaching/Freising, Germany, (additional work for my PhD Thesis, as well as research work on Photochemistry and study of photodecomposition products of chlorophenols by HPLC-Diode array and GC-MS).

3.2. From 15-7-87 to 4-9-87:

Institute of Ecological Chemistry, in GSF, Neuherberg-Munich, Germany, (additional work for my PhD Thesis, as well as research work on carbamate analysis by HPLC and GC-MS).

3.3. From 1-7-88 to 30-9-88:

Institute of Ecological Chemistry, in GSF, Neuherberg-Munich, Germany, (additional work for my PhD Thesis, as well as research work on controlled release of pesticides by HPLC and GC-MS).

3.4. From 11-7-07 to 2-11-07:

Institute of Analytical Chemistry and Radiochemistry in Graz Technical University, using the LC-MS/MS technique.

4. Outstanding Achievements

In 2016, she was included in top 50 power list of women in Analytical Science, as proposed by Texere Publishers. <https://theanalyticalscientist.com/power-list/the-power-list-2016>

In 2021, she was included in the "The Analytical Scientist" 2021 Power List of top 100 influential people in analytical science. <https://theanalyticalscientist.com/power-list/2021>

In 2020, she was included in the 2% top world scientists in the field of Analytical Chemistry (career - 2019, as well as single year 2019) published in PLOS Biology based on citations from SCOPUS. <https://dx.doi.org/10.17632/btchxktzyw>. <https://journals.plos.org/plosbiology/article?id=10.1371/journal.pbio.3000918>

In 2021, she was again included in the list of World Top 2% Scientists. The list for 2020 was released https://lnkd.in/drPHg_Gb for the whole career up to now as well as for the single year 2020. The list is prepared by the Stanford University (USA) and it is based on standardized citation indicators.

According to <https://research.com/scientists-rankings/chemistry> and <https://research.com/scientists-rankings/chemistry/gr> she is ranked #50 in Greece as well as #11610 in the world ranking. The ranking is constructed using the H-index data gathered by Microsoft Academic and includes only prominent scientists with an H-index of at least 40 for scientific papers published in the field of Chemistry.

5. Chemistry Societies

She is Leader of Working Group 1 Science and Fundamentals of EuChemS-DAC SamplePreparation Study Group and Network, since 2021.

Since 2016 she has been elected as President of the Steering Committee of the Association of Greek Chemists-Regional Division of Central & Western Macedonia.

6. Personal Links

<http://users.auth.gr/samanidu>

<https://www.chem.auth.gr/staff/0000001000077267/>

https://www.researchgate.net/profile/Victoria_Samanidou

<http://orcid.org/0000-0002-8493-1106>

Further Reading

<https://doi.org/10.3390/separations8040048>

<https://doi.org/10.3390/molecules26185433>

<https://doi.org/10.3390/molecules26040865>

<https://doi.org/10.3390/separations6020024> <https://doi.org/10.3390/separations5030040>

<https://doi.org/10.3390/molecules26216418>

<https://doi.org/10.3390/molecules25246026>

<https://doi.org/10.3390/molecules25051148>

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