



Erasmia Bizani

Laboratory and Teaching Assistant

LAB OF ANALYTICAL CHEMISTRY, DEPARTMENT OF CHEMISTRY,
NATIONAL AND KAPODISTRIAN UNIVERSITY OF ATHENS

Email:
eribizani@chem.uoa.gr
ORCID:
0000-0002-0140-1194
Google scholar:
<https://scholar.google.com/citations?hl=en&user=HQb6nvoAAAAJ>
(citations: 853, h-index: 8)
SCOPUS:
<https://www.scopus.com/authid/detail.uri?authorId=14007454400>
Tel.: +30 210 7274573
Website: www.chem.uoa.gr

EDUCATION

- 1996-
2001 **B.Sc. in Chemistry**, Aristotle University of Thessaloniki Grade: 8.1/10.0
- 2001-
2003 **M.Sc. in Environmental Chemistry**, Aristotle University of Thessaloniki (Grade 9.84/10.00)/
Master Thesis: "Photocatalytic degradation of dyes in aqueous solutions and wastewaters",
- 2003-
2009 **Ph.D. in Chemistry**, Aristotle University of Thessaloniki/ Ph.D. Thesis: "Photochemical and photocatalytic degradation and toxicity evaluation of selected pesticides and their transformation products."

RESEARCH FIELDS

- Environmental and Food Analysis
- Water quality and water treatment
- Advanced Oxidation Processes
- Mass Spectrometry
- Development of LC-MS/MS methods

EDUCATIONAL EXPERIENCE

UNDERGRADUATE COURSES

Analytical Chemistry/ Chemistry Department/2nd semester

Analytical Chemistry Practicals/ Chemistry Department/ 2nd semester

Analytical Chemistry I/ Pharmacy Department / 3rd semester

GRADUATE COURSES

Analytical Chemistry Laboratory/ Chemistry Department/ Master: Analytical Chemistry - Quality Assurance/ Course: Advanced Analytical Chemistry

DISCRIMINATIONS / SCHOLARSHIPS

Scholarship from the State Scholarships Foundation (IKY) for the 1st year of undergraduate studies (1st position, 1996-1997)

Scholarship from the State Scholarships Foundation (IKY) for the 1st year of postgraduate studies (2002).

Scholarship from Onassis Foundation for Ph.D. studies (2003, duration 39 months)

Special Grant of the Support Program for Onassis Scholars' Association Members (2017-2019)

RESEARCH GRANTS

1999 - 2010: Participation in the research monitoring projects entitled; "Drinking water quality control of the Municipality of Thermi", "Drinking water quality control of the Municipality of Madytos", "Drinking water quality control of the Municipality of Mikra", "Drinking water quality control of the Municipality of Koronia"

2000 – 2001: Research project: **"Investigation of the best sampling method and analysis of liquid and solid samples of waste waters from industries at central Macedonia, Thessalia and east Macedonia – Thraki"**.

2004-2006: Research project Pythagoras I co-financed by the Greek Government and the E.U.-European Social Fund: **"Study of pesticides photochemical behavior in aquatic systems"**

2005 - 2009: Reesearch project - PENED 2003: **"Advanced Oxidation Processes for the degradation of carbamate pesticides in aquatic systems and wastewaters"** implemented within the framework of the Reinforcement Programme of Human Research Manpower of the General Secretariat of Research and Technology and European Social Fund

2007 - 2008: Research project of the Ministry of Macedonia and Thrace: **"Quality assessment of Thermaikos Gulf ecosystem, Greece"**.

2009 – 2011: Programme for the Promotion of the Exchange and the Scientific Cooperation between Greece and Germany – IKYDA 2008 financed from the National Institution of Scholarships: **"Transformation products of pharmaceuticals – Detection and follow-up during wastewater treatment"**.

2014-2020 SUBSOL (bringing coastal SUBsurface water SOLutions to the market) Horizon 2020 – the Framework Programme for Research and Innovation (European Union)

2017-2022 LIFE AskREACH Enabling REACH consumer information rights on chemicals in articles by IT-tools (No. LIFE16/GIE/DE/000738) (European Union)

2018-2022: LIFE APEX, Systematic use of contaminant data from apex predators and their prey in chemicals management, LIFE17 ENV/SK/000355 (European Union)

REVIEWER OF SCIENTIFIC JOURNALS

- Open Chemistry
- Chemical Engineering Journal
- Chemosphere

EDITOR OF BOOKS AND SPECIAL VOLUMES

PATENTS

ADDITIONAL INFORMATION

- Presentations at conferences: **30**
- Supervision of doctoral theses: -
- Supervision of graduate students: 1 (co-supervision)
- Supervision of undergraduate students: **8 (supervision and co-supervision)**
- PI in - Research Programs
- Collaboration/Participation in **12** Research Programs
- Reviewer in Research Programs: -

SELECTED PUBLICATIONS (link OF PUBLICATIONS)

Androulakakis, A., Alygizakis, N., Bizani, E., Thomaidis, N.S.

Current progress in the environmental analysis of poly- and perfluoroalkyl substances (PFAS)

(2022) Environmental Science: Advances, 1 (5), pp. 705-724.

<https://www.scopus.com/inward/record.uri?eid=2-s2.0-85144238581&doi=10.1039%2fd2va00147k&partnerID=40&md5=24a61e2654bbde6a1f4342419305a6d5>

DOI: 10.1039/d2va00147k

Gkotsis, G., Nika, M.-C., Nikolopoulou, V., Alygizakis, N., Bizani, E., Aalizadeh, R., Badry, A., Chadwick, E., Cincinelli, A., Claßen, D., Danielsson, S., Dekker, R., Duke, G., Drost, W., Glowacka, N., Göckener, B., Jansman, H.A.H., Juergens, M., Knopf, B., Koschorreck, J., Krone, O., Martellini, T., Movalli, P., Persson, S., Potter, E.D., Rohner, S., Roos, A., O' Rourke, E., Siebert, U., Treu, G., van den Brink, N.W., Walker, L.A., Williams, R., Slobodnik, J., Thomaidis, N.S.

Assessment of contaminants of emerging concern in European apex predators and their prey by LC-QToF MS wide-scope target analysis

(2022) Environment International, 170, art. no. 107623, .

<https://www.scopus.com/inward/record.uri?eid=2-s2.0-85141748842&doi=10.1016%2fj.envint.2022.107623&partnerID=40&md5=3c852c19122f2260a1794a3ab0c44be0>

DOI: 10.1016/j.envint.2022.107623

Panara, A., Katsa, M., Kostakis, M., Bizani, E., Thomaidis, N.S.

Monitoring of Aflatoxin M1 in Various Origins Greek Milk Samples Using Liquid Chromatography Tandem Mass Spectrometry

(2022) Separations, 9 (3), art. no. 58, .

<https://www.scopus.com/inward/record.uri?eid=2-s2.0-85125248170&doi=10.3390%2fseparations9030058&partnerID=40&md5=8ca2bbd6b542a7478c1f62bc734fde32>

DOI: 10.3390/separations9030058

Androulakakis, A., Alygizakis, N., Gkotsis, G., Nika, M.-C., Nikolopoulou, V., Bizani, E., Chadwick, E., Cincinelli, A., Claßen, D., Danielsson, S., Dekker, R.W.R.J., Duke, G., Glowacka, N., Jansman, H.A.H., Krone, O., Martellini, T., Movalli, P., Persson, S., Roos, A., O'Rourke, E., Siebert, U., Treu, G., van den Brink, N.W., Walker, L.A., Deaville, R., Slobodnik, J., Thomaidis, N.S.

Determination of 56 per- and polyfluoroalkyl substances in top predators and their prey from Northern Europe

by LC-MS/MS

(2022) *Chemosphere*, 287, art. no. 131775, .

<https://www.scopus.com/inward/record.uri?eid=2-s2.0-85114515156&doi=10.1016%2fj.chemosphere.2021.131775&partnerID=40&md5=f645ceda6eaa48abd5bdf115db77101e>

DOI: 10.1016/j.chemosphere.2021.131775

DOCUMENT TYPE: Article

Christia, C., Bizani, E., Christophoridis, C., Fytianos, K.

Pesticide residues in fruit samples: comparison of different QuEChERS methods using liquid chromatography–tandem mass spectrometry

(2015) *Environmental Science and Pollution Research*, 22 (17), pp. 13167-13178.

<https://www.scopus.com/inward/record.uri?eid=2-s2.0-84940453724&doi=10.1007%2fs11356-015-4456-0&partnerID=40&md5=68dc442ec5f828b365b36860efe5a511>

DOI: 10.1007/s11356-015-4456-0

Bizani, E., Lambropoulou, D., Fytianos, K., Poullos, I.

Photocatalytic degradation of molinate in aqueous solutions

(2014) *Environmental Science and Pollution Research*, 21 (21), pp. 12294-12304.

<https://www.scopus.com/inward/record.uri?eid=2-s2.0-84939875327&doi=10.1007%2fs11356-014-3086-2&partnerID=40&md5=ea2ccdb7d72e8fc6bfb33fc6c40eafa1>

DOI: 10.1007/s11356-014-3086-2

Kalogridi, E.-C., Christophoridis, C., Bizani, E., Drimaropoulou, G., Fytianos, K.

Part I: Temporal and spatial distribution of multiclass pesticide residues in lake waters of Northern Greece: Application of an optimized SPE-UPLC-MS/MS pretreatment and analytical method

(2014) *Environmental Science and Pollution Research*, 21 (12), pp. 7239-7251.

<https://www.scopus.com/inward/record.uri?eid=2-s2.0-84902540098&doi=10.1007%2fs11356-014-2793-z&partnerID=40&md5=4a7d5f1f75c5cfe56e85d914c22b9219>

DOI: 10.1007/s11356-014-2793-z

Veloutsou, S., Bizani, E., Fytianos, K.

56045836200;14007454400;7003267008;

Photo-Fenton decomposition of β -blockers atenolol and metoprolol; study and optimization of system parameters and identification of intermediates

(2014) *Chemosphere*, 107, pp. 180-186.

<https://www.scopus.com/inward/record.uri?eid=2-s2.0-84901602727&doi=10.1016%2fj.chemosphere.2013.12.031&partnerID=40&md5=4504a4f74cbc24672b9c0ae1b93b9da9>

DOI: 10.1016/j.chemosphere.2013.12.031

Zapata, A., Oller, I., Bizani, E., Sánchez-Pérez, J.A., Maldonado, M.I., Malato, S.

Evaluation of operational parameters involved in solar photo-Fenton degradation of a commercial pesticide mixture

(2009) *Catalysis Today*, 144 (1-2), pp. 94-99.

<https://www.scopus.com/inward/record.uri?eid=2-s2.0-67349154106&doi=10.1016%2fj.cattod.2008.12.030&partnerID=40&md5=6cf2a520cbd953fd72e79c480646ae72>

DOI: 10.1016/j.cattod.2008.12.030

Bizani, E., Fytianos, K., Poullos, I., Tsiridis, V.

Photocatalytic decolorization and degradation of dye solutions and wastewaters in the presence of titanium dioxide

(2006) *Journal of Hazardous Materials*, 136 (1 SPEC. ISS.), pp. 85-94.

<https://www.scopus.com/inward/record.uri?eid=2-s2.0-33744924471&doi=10.1016%2fj.jhazmat.2005.11.017&partnerID=40&md5=c1f53d8f8929c95036f7def2b7f8480f>

DOI: 10.1016/j.jhazmat.2005.11.017