

PERSONAL INFORMATION	
SURNAME	SAKKAS
NAME	VASILIOS
DATE OF BIRTH	NOVEMBER 17 TH 1973
PLACE OF RESIDENCE	IOANNINA
e-mail	vsakkas“at”uoi.gr
TEL.	0030-2651008303

CURRENT POSITION(S)

08.2018 - Associate Professor
Department of Chemistry, University of Ioannina/Greece

PREVIOUS POSITION(S)

02.2014 - 08.2018 Assistant Professor
Department of Chemistry, University of Ioannina/Greece

05.2019 - 02.2014 Lecturer
Department of Chemistry, University of Ioannina/Greece

05.2009 - 02.2014 Lecturer
Department of Chemistry, University of Ioannina/Greece

10.2003 - 08.2007 Assistant Professor (Adjunct)
Department of Materials Science and Engineering, University of Ioannina/Greece

09.2002 - 04.2009 Postdoctoral Researcher
Department of Chemistry, University of Ioannina/Greece

EDUCATION

09.1991 - 11.1996 Department of Chemistry, University of Ioannina/Greece, BSc Chemistry

06.1998 - 07.2002 Department of Chemistry, University of Ioannina/Greece, Development of analytical methods and study of photochemical fate of antifouling booster biocides in the aquatic environment, PhD

INDICATIVE PUBLICATIONS (LAST DECADE)

- A. Makis, D. Papagiannaki, Th. Palianopoulos, E. Hatzimichael, E. Kapsali, N. Chaliasos, V. Sakkas, E. Gikas, Serum **Metabolite Profiles** Are Strongly Correlated with Membrane Lipid Alterations in Beta Thalassemia Patients, (2017), *Blood*, 130 (Supplement 1): 3503., https://doi.org/10.1182/blood.V130.Suppl_1.3503.3503
- Kaveli, I.P., Sakkas, V.A., Albanis, T.A., Development of **ultrasound-assisted emulsification microextraction** for the determination of seven pesticides in apple juice by gas chromatography–mass spectrometry, (2015) *International Journal of Environmental Analytical Chemistry*, 95 (2), pp. 145-157, <https://www.scopus.com/inward/record.uri?eid=2-s2.0-84923548689&doi=10.1080%2f03067319.2014.994618&partnerID=40&md5=5c7ec3ccdb04d703fa4523429ee7bd08>, DOI: 10.1080/03067319.2014.994618
- Rempelaki, I.E., Sakkas, V.A., Albanis, T.A., The development of a sensitive and rapid **liquid-phase microextraction** method followed by **liquid chromatography mass spectrometry** for the determination of zearalenone residues in beer samples, (2015) *Analytical Methods*, 7 (4), pp. 1446-1452. , <https://www.scopus.com/inward/record.uri?eid=2-s2.0-84923169608&doi=10.1039%2fc4ay01754d&partnerID=40&md5=b3fd57eb224c4a0aad631bda99d84957>, DOI: 10.1039/c4ay01754d
- Maidatsi, K.V., Chatzimitakos, T.G., Sakkas, V.A., Stalikas, C.D., Octyl-modified magnetic graphene as a sorbent for the **extraction** and simultaneous determination of fragrance allergens, musks, and phthalates in aqueous samples by gas chromatography with mass spectrometry, (2015) *Journal of Separation Science*, 38 (21), pp. 3758-3765. , <https://www.scopus.com/inward/record.uri?eid=2-s2.0-84944723825&doi=10.1002%2fjssc.201500578&partnerID=40&md5=61d60eadf8d93b7ef6d77f3c2cfc6b4>, DOI: 10.1002/jssc.201500578
- Petridis, N.P., Sakkas, V.A., Albanis, T.A., Chemometric optimization of dispersive suspended **microextraction** followed by gas chromatography-mass spectrometry for the determination of polycyclic aromatic hydrocarbons in natural waters, (2014) *Journal of Chromatography A*, 1355, pp. 46-52. , <https://www.scopus.com/inward/record.uri?eid=2-s2.0-84904294965&doi=10.1016%2fj.chroma.2014.06.019&partnerID=40&md5=de71355c1812237f869dd903e309608e>, DOI: 10.1016/j.chroma.2014.06.019
- Rallis, G.N., Boumba, V.A., Sakkas, V.A., Fragkouli, K., Siozios, G., Albanis, T.A., Vougiouklakis, T., Residues of selected polychlorinated biphenyls (PCB) and organochlorine pesticides (OCP) in postmortem lungs from Epirus, Northwestern Greece, (2014) *Journal of Toxicology and Environmental Health - Part A: Current Issues*, 77 (13), pp. 767-775. , <https://www.scopus.com/inward/record.uri?eid=2-s2.0-84901201120&doi=10.1080%2f15287394.2014.892447&partnerID=40&md5=f8933d4160ebcf33430c3f7879584e92>, DOI: 10.1080/15287394.2014.892447
- Synaridou, M.E.S., Sakkas, V.A., Stalikas, C.D., Albanis, T.A., Evaluation of magnetic nanoparticles to serve as **solid-phase extraction** sorbents for the determination of endocrine disruptors in milk samples by gas chromatography mass spectrometry, (2014) *Journal of Chromatography A*, 1348, pp. 71-79. , <https://www.scopus.com/inward/record.uri?eid=2-s2.0-84901502238&doi=10.1016%2fj.chroma.2014.04.092&partnerID=40&md5=cb360e957374913f33104c19ff53c0f8>, DOI: 10.1016/j.chroma.2014.04.092
- Christopoulou, O.D., Sakkas, V.A., Albanis, T.A., Evaluation of **matrix solid-phase dispersion extraction** for the determination of polycyclic aromatic hydrocarbons in household dust with the aid of experimental design and response surface methodology, (2012) *Journal of Separation Science*, 35 (24), pp. 3554-3560. , <https://www.scopus.com/inward/record.uri?eid=2-s2.0-84870905417&doi=10.1002%2fjssc.201200563&partnerID=40&md5=3c70872ae86656dcdf3340f36caf87ad>, DOI: 10.1002/jssc.201200563
- Tsiallou, T.P., Sakkas, V.A., Albanis, T.A., Development and application of chemometric-assisted **dispersive liquid-liquid microextraction** for the determination of suspected fragrance allergens in water samples, (2012) *Journal of Separation Science*, 35 (13), pp. 1659-1666. , <https://www.scopus.com/inward/record.uri?eid=2-s2.0->

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- Rallis, G.N., Sakkas, V.A., Boumba, V.A., Vougiouklakis, T., Albanis, T.A., Determination of organochlorine pesticides and polychlorinated biphenyls in post-mortem human lung by **matrix solid-phase dispersion** with the aid of response surface methodology and desirability function, (2012) Journal of Chromatography A, 1227, pp. 1-9. , <https://www.scopus.com/inward/record.uri?eid=2-s2.0-84856640219&doi=10.1016%2fj.chroma.2011.12.083&partnerID=40&md5=90a816116bf26e3e8243a8eaefcfeaac>, DOI: 10.1016/j.chroma.2011.12.083
- Karatapanis, A.E., Fiamegos, Y.C., Sakkas, V.A., Stalikas, C.D., Effect of chromatographic parameters and detector settings on the response of HILIC-evaporative light-scattering detection system using experimental design approach and multicriteria optimization methodology, (2011) Talanta, 83 (4), pp. 1126-1133. , <https://www.scopus.com/inward/record.uri?eid=2-s2.0-79251596030&doi=10.1016%2fj.talanta.2010.06.050&partnerID=40&md5=7b4b4c7e0324c7ae2360a40de25314f8>, DOI: 10.1016/j.talanta.2010.06.050
- Garbi, A., Sakkas, V., Fiamegos, Y.C., Stalikas, C.D., Albanis, T., Sensitive determination of pesticides residues in wine samples with the aid of **single-drop microextraction** and response surface methodology, (2010) Talanta, 82 (4), pp. 1286-1291. , <https://www.scopus.com/inward/record.uri?eid=2-s2.0-77956192119&doi=10.1016%2fj.talanta.2010.06.046&partnerID=40&md5=12d1b37f2b002999cdcf5a5f555762bd>, DOI: 10.1016/j.talanta.2010.06.046
- Panagiotou, A.N., Sakkas, V.A., Albanis, T.A., Application of chemometric assisted dispersive liquid-liquid **microextraction** to the determination of personal care products in natural waters, (2009) Analytica Chimica Acta, 649 (2), pp. 135-140. , <https://www.scopus.com/inward/record.uri?eid=2-s2.0-68749099626&doi=10.1016%2fj.aca.2009.07.028&partnerID=40&md5=aaad649292274de28c0224abfc91685c>, DOI: 10.1016/j.aca.2009.07.028
- Boti, V.I., Sakkas, V.A., Albanis, T.A., An experimental design approach employing artificial neural networks for the determination of potential endocrine disruptors in food using matrix solid-phase dispersion, (2009) Journal of Chromatography A, 1216 (9), pp. 1296-1304. , <https://www.scopus.com/inward/record.uri?eid=2-s2.0-59049093188&doi=10.1016%2fj.chroma.2008.12.070&partnerID=40&md5=8686bf5173c7ea2d789d3943dbf28408>, DOI: 10.1016/j.chroma.2008.12.070
- Stalikas, C., Fiamegos, Y., Sakkas, V., Albanis, T., Developments on chemometric approaches to optimize and evaluate **microextraction**, (2009) Journal of Chromatography A, 1216 (2), pp. 175-189. , <https://www.scopus.com/inward/record.uri?eid=2-s2.0-57749102445&doi=10.1016%2fj.chroma.2008.11.060&partnerID=40&md5=c2a0fb7d692ea6f7a80631e808ccf637>, DOI: 10.1016/j.chroma.2008.11.060
- Jiménez-Holgado, C., Chrimatopoulos, C., Stathopoulos, V., Sakkas, V. Investigating the utility of fabric phase sorptive extraction and hplc-uv-vis/dad to determine antidepressant drugs in environmental aqueous samples, (2020) Separations, . <https://www.scopus.com/inward/record.uri?eid=2-s2.0-85090747809&doi=10.3390%2fseparations7030039&partnerID=40&md5=2c953a72881e83454403cd95d0b0fd7c>, DOI: 10.3390/separations7030039
- Kalaboka, M., Chrimatopoulos, C., Jiménez-Holgado, C., Boti, V., Sakkas, V., Albanis, T. Exploring the efficiency of UHPLC-orbitrap ms for the determination of 20 pharmaceuticals and acesulfame k in hospital and urban wastewaters with the aid of FPSE, (2020) Separations, . <https://www.scopus.com/inward/record.uri?eid=2-s2.0-85091226489&doi=10.3390%2fseparations7030046&partnerID=40&md5=eb8ce610f99df0595f96d2ef9285e677>, DOI: 10.3390/separations7030046
- Donadelli, J.A., Caram, B., Kalaboka, M., Kapsi, M., Sakkas, V.A., Carlos, L., García Einschlag, F.S. Mechanisms of 4-phenylazophenol elimination in micro- And nano-ZVI assisted-Fenton systems, (2020) Journal of Environmental Chemical Engineering, . <https://www.scopus.com/inward/record.uri?eid=2-s2.0-85077759811&doi=10.1016%2fj.jece.2019.103624&partnerID=40&md5=b64dae1fe2a99e8568ff9608895e3018>, DOI: 10.1016/j.jece.2019.103624

CV V.A. Sakkas

- Sakkas, H., Economou, V., Gousia, P., Bozidis, P., Sakkas, V.A., Petsios, S., Mpekoulis, G., Ilija, A., Papadopoulou, C. Antibacterial efficacy of commercially available essential oils tested against drug-resistant Gram-positive pathogens, (2018) Applied Sciences (Switzerland), . <https://www.scopus.com/inward/record.uri?eid=2-s2.0-85056243084&doi=10.3390%2fapp8112201&partnerID=40&md5=5242a3905c27b476a25668b2b3b8439f>, DOI: 10.3390/app8112201
- Matthaios, V.N., Triantafyllou, A.G., Albanis, T.A., Sakkas, V., Garas, S. Performance and evaluation of a coupled prognostic model TAPM over a mountainous complex terrain industrial area, (2018) Theoretical and Applied Climatology, . <https://www.scopus.com/inward/record.uri?eid=2-s2.0-85018340672&doi=10.1007%2fs00704-017-2122-9&partnerID=40&md5=39774a64ef310a0d0de93f09711139b4>, DOI: 10.1007/s00704-017-2122-9
- Sakkas, V.A., Sarro, M., Kalaboka, M., Santoro, V., Albanis, T., Calza, P., Medana, C. Evaluating the photocatalytic treatment of stevioside by TiO₂ in different aqueous matrices and identification of transformation products, (2017) Science of the Total Environment, . <https://www.scopus.com/inward/record.uri?eid=2-s2.0-85021976979&doi=10.1016%2fj.scitotenv.2017.07.016&partnerID=40&md5=3edae6573b04e4e85d4646d829894093>, DOI: 10.1016/j.scitotenv.2017.07.016
- Calza, P., Gionco, C., Giletta, M., Kalaboka, M., Sakkas, V.A., Albanis, T., Paganini, M.C. Assessment of the abatement of acelsulfame K using cerium doped ZnO as photocatalyst, (2017) Journal of Hazardous Materials, . <https://www.scopus.com/inward/record.uri?eid=2-s2.0-84962696585&doi=10.1016%2fj.jhazmat.2016.03.093&partnerID=40&md5=c5e256d0b84ca2aa6029a9967dc34795>, DOI: 10.1016/j.jhazmat.2016.03.093

METRICS: Publications **87**, Total citations **3625**, *h-index* **35**

CONFERENCES/WORKSHOPS/etc.(INITED PLENARIES OF THE LAST 5 YEARS)

- more than 30 speeches and 100 participations in international and national conferences
- Webinar - Basic Statistical Tools and Data Analysis, 23 September, 2020, AQUALITY project
- Summer School - Introduction to Basic Statistical Tools and Data Analysis in Research , Chemometrics: Introduction to Experimental Design and Response Surface Methodology for process optimization, 27-29 June, 2018, Ioannina, UOI, Greece
- Winter School - Innovative approaches for material synthesis and characterization, Chemometrics: Introduction to statistical experimental design for process optimization, 23-26 January 2017, UNITO, Torino, Italy
- Workshop - joining forces to treat water pollution, Assessment of emerging contaminants removal and chemometric studies, 17 July, 2016, Montreal, McGill, Canada

MEMBERSHIPS & REVIEWING ACTIVITIES

- 2019 - 2020** Editor, Separations (ISSN 2297-8739) MDPI
- 2016 - 2018** PhD Thesis Evaluator, University of Torino, Italy
- 2010 - 2020** Member, Mediterranean Association of Environmental Education, Assessment and Protection (ENEAP)
- 2009 - 2020** Reviewer of more than 30 Journals

TEACHING ACTIVITIES

2009 - 2020	Lecturer/Assist Prof/Assoc Prof – Quantitative Analytical Chemistry, University of Ioannina, Greece
2009 - 2020	Lecturer/Assist Prof/Assoc Prof – Lab of Quantitative Analytical Chemistry, University of Ioannina, Greece
2009 - 2020	Lecturer/Assist Prof/Assoc Prof – Lab of Instrumental Analytical Chemistry , University of Ioannina, Greece
2009 - 2020	Lecturer/Assist Prof/Assoc Prof – Statistical data treatment and Quality Control, University of Ioannina, Greece
2009 - 2020	Lecturer/Assist Prof/Assoc Prof – Environmental Pollution Control and Environmental Technology, University of Ioannina, Greece
2014 - 2020	Assist Prof/Assoc Prof – Advanced Analytical Chemistry, University of Ioannina, Greece
2014 - 2020	Assist Prof/Assoc Prof – Environmental Technology, University of Ioannina, Greece
2009 - 2020	Teaching position – Quantitative Analytical Chemistry, University of Ioannina, Greece
2009 - 2020	Teaching position – Quantitative Analytical Chemistry, University of Ioannina, Greece
2017 -2020	Teaching staff – Natural Environment and Pollution, Hellenic Open University, Greece
2003 -2007	Adjunct, Assist Professor – Physical Chemistry I, Physical Chemistry II, Lab of Physical Chemistry, Environment and Materials, Special Topics in Environmental Science University of Ioannina, Greece

SUPERVISION OF GRADUATE STUDENTS AND POSTDOCTORAL FELLOWS

2009 - 2020	Number of Postdocs 3/PhD 2/Master Students 22 University of Ioannina, Greece
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FELLOWSHIPS and AWARDS

2004 - 2006	-“Pythagoras” Postdoctoral Research Fellow , Operational Program for Education and Initial Vocational Training of the 3rd Community Support Framework of the Hellenic Ministry of Education, Greece
2005 -2005	JSPS (Japanese Society for the Promotion of Science), National Maritime Research Institute (NMRI), Japan
2013 -2013	Award, Recent Advances in Food Analysis (RAFA 2013), , Prague, Czech Republic
2014 -2014	Award, 8th European Conference on Pesticides and related Organic Micropollutants in the Environment, Ioannina Greece

RESEARCH GRANTS

Project Title	Funding source	Period	Role of the PI
Comparative Research on Endocrine Disrupters - Phylogenetic Approach and Common Principles focusing on Androgenic/Antiandrogenic Compounds	European Commission	2002-2006	Post-Doctoral Researcher

Development of Analytical Techniques and Advanced Oxidation Processes (AOPs) for the determination and removal of organic toxic micropollutants and endocrine disrupting compounds from natural waters and wastewaters	General Secretariat for Research and Technology	2006-2009	Senior Researcher
Development of analytical methods for the determination of endocrine disrupting compounds from food commodities from Epirus Region	“NEA GNWSI”, National Strategic Reference Framework (NSRF 2007-2013), THESSALY-MAINLAND GREECE AND EPIRUS-2007-2013,	2012-2014	PI
Real time monitoring of SEA contaminants by an autonomous Lab-on-a-CHIP biosensor (SEA-on-a-CHIP)	European Commission	2014-2016	Senior Researcher
Enhancing water quality by developing novel materials for organic pollutant removal in tertiary water treatments (Mat4Treat)	European Commission	2015-2018	PI for UOI (Beneficiary)
Interdisciplinary cross-sectoral approach to effectively address the removal of contaminants of emerging concern from water” (AQUALITY)	European Commission	2017-2021	PI for UOI (Beneficiary)