

CURRICULUM VITAE

PERSONAL INFORMATION

SURNAME	FARMAKIS
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CURRENT POSITION

2021 -now	Current position Tenured Assistant Professor Department of Food Science and Technology University of Peloponnese Hellas
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EDUCATION

2018 -2019	Marconi International University, Miami, Florida, USA, Master in International Business Administration
2005 – 2006	Department of Special Education, University of Thessaly, Hellas, One year seminar in Special Education
1999 -2003	Department of Chemistry, University of Patras, Hellas, PhD in “Physicochemical characterization of starch granules from different origin by Field Flow Fractionation”
1993 -1999	Department of Chemistry, University of Patras, Hellas, Bachelor in Chemistry

PUBLICATIONS

- Title, Author(s), Journal, Volume, Pages, Year, DOI (Number and Link)
- Stability of melamine formaldehyde (MF) resin under different pH and ionic strength values. Lambros Farmakis*, Athanasia Koliadima, Sotirios Vamvakas, Journal of Food Processing and Preservation, 44 (6), e14471, 2020, DOI(10.1111/jfpp.14471)
- Ser625 of msn2 transcription factor is indispensable for ethanol tolerance and alcoholic fermentation process. Sotirios-Spyridon Vamvakas*, John Kapolos, Lampros Farmakis, Gregoria Koskorelou, Fotis Gennaios, Biotechnology Progress, 35 (5), e2837, 2019, DOI (10.1002/btpr.2837)
- Specific serine residues of msn2/4 are responsible for regulation of alcohol fermentation rates and ethanol resistance. S.S. Vamvakas*, J. Kapolos, L. Farmakis, F. Genneos, M.E. Damianaki, X. Chouli, A. Vardakou, S. Liosi, E. Stavropoulou, E. Leivaditi, M. Fragki, E. Labrakou, E.G. Gashi, D. Demoli, Biotechnology Progress, 35 (2), e2759, 2018, DOI (10.1002/btpr.2759)

- Reversed – Flow Gas Chromatography as a tool for studying the interaction between aroma compounds and starch.
Lambros Farmakis, Athanasia Koliadima, George Karaiskakis, and John Kapolos*, *Journal of Agricultural and Food Chemistry*, 66 (45), 12111 – 12121, 2018, DOI (10.1021/acs.jafc.8b04360)
- Kinetic Study of the Alcoholic Fermentation Process, in the Presence of Free and Immobilized *Saccharomyces Cerevisiae* Cells, at Different Initial Glucose Concentrations by Reversed Flow GC.
Georgia Lainioti, John Kapolos, Lambros Farmakis, Athanasia Koliadima, George Karaiskakis, *CHROMATOGRAPHIA*, 72 (11) 1149-1156, 2010, DOI (10.1365/s10337-010-1790-8)
- The use of sedimentation field-flow fractionation in the size characterization of bovine milk fat globules as affected by heat treatment.
Vassilios Raikos*, John Kapolos, Lambros Farmakis, Athanasia Koliadima, George Karaiskakis, *Food Research International*, 42 (5-6), 659-665, 2009, DOI (10.1016/j.foodres.2009.02.001)
- Diffusion coefficients of SO₂ in water and partition coefficients of SO₂ in water – air interface at different temperature and pH values.
Athanasia Koliadima*, John Kapolos, Lambros Farmakis, *Instrumentation Science & Technology*, 37 (3), 274 – 283, 2009, DOI (10.1080/10739140902831503)
- Study of the influence of the surfactants on the size distribution and the mass ratio of wheat starch granules by Sedimentation/Steric Field – Flow Fractionation.
Lambros Farmakis*, Athanasia Koliadima, George Karaiskakis, Andrea Zattoni, Pierluigi Reschiglian, *Food Hydrocolloids*, 22 (6), 961-972, 2008, DOI (10.1016/j.foodhyd.2007.05.001)
- Study of the growth rate of *Saccharomyces cerevisiae* strains using wheat starch granules as support for yeast immobilization monitoring by Sedimentation/Steric Field-Flow Fractionation.
Lambros Farmakis*, John Kapolos, Athanasia Koliadima and George Karaiskakis, *Food Research Int.*, 40, 717-724, 2007, DOI (10.1016/j.foodres.2007.01.009)
- Estimation of the Hamaker constants by sedimentation field flow fractionation.
Lambros Farmakis*, Nikolaos Lioris, Athanasia Koliadima and George Karaiskakis, *J. Chromatogr. A.*, 1137 (2), 231 – 242, 2006, DOI (10.1016/j.chroma.2006.10.019)
- Estimation of the particle - wall interaction energy in sedimentation field flow fractionation.
Nikolaos Lioris, Lambros Farmakis, Athanasia Koliadima, George Karaiskakis*, *J. Chromatogr. A*, 1087 (1-2), 13 – 19, 2005, DOI (10.1016/j.chroma.2005.01.029)
- The Kinetic Study of Cell Proliferation of *Saccharomyces Cerevisiae* Strains by Sedimentation/Steric Field Flow Fractionation in Situs.
Lambros Farmakis* and Athanasia Koliadima, *Biotechnol. Prog.* 21 (3), 971 – 977, 2005, DOI (10.1021/bp0495466)
- Time distribution of adsorption rates with lateral interactions on heterogeneous surfaces by inverse gas chromatography,
Nikolaos Bakaoukas, Athanasia Koliadima, Lambros Farmakis, George Karaiskakis and Nikolaos Katsanos, *Chromatographia*, 57 (11) 783 – 791, 2003, DOI (10.1007/BF02491766)
- Potential barrier field-flow fractionation: Potential curves and interactive forces.
George Karaiskakis*, Athanasia Koliadima, Lambros Farmakis and Dimitrios Gavril, *J. Liq. Chromatogr. & Rel. Technol.*, 25 (13-15), 2153 – 2172, 2002, DOI (10.1081/JLC-120013999)
- Investigation of the variation of the mass ratios for the large and small starch granules with the pH and ionic strength of the dispersing medium by sedimentation/steric field-flow fractionation.
Lambros Farmakis, George Karaiskakis and Athanasia Koliadima*, *J. Liq. Chromatogr. & Rel. Technol.*, 25, 2135 – 2152, 2002, DOI (10.1081/JLC-120013998)

- Study of the Influence of the Ionic Strength and the pH of the Suspending Medium on the Size of the Wheat Starch Granules Measured by Sedimentation/Steric FFF.
Lambros Farmakis, Athanasia Koliadima and George Karaiskakis*, J. Liq. Chromatogr. & Rel. Technol. 25, 167 – 183, 2002, DOI (10.1081/JLC-100108738)
- Study of the recovery of colloidal particles in potential barrier sedimentation field-flow fractionation
George Karaiskakis*, Maria Douma, Ioanna Katsipou, Athanasia Koliadima and Lambros Farmakis, J. Liq. Chromatogr. & Rel. Technol. 23 (13), 1953 – 1959, 2000, DOI (10.1081/JLC-100100464)
- Size analysis of Barley Starch Granules by Sedimentation/Steric Field Flow Fractionation
Lambros Farmakis, Jane Sakellaraki, Athanasia Koliadima and George Karaiskakis, Starch/Stärke 52, 275 – 282, 2000, DOI (10.1002/1521-379X(20009)52:8/93.0.CO;2-M)

CONFERENCES/WORKSHOPS/etc

National, international scientific conferences, workshops, summer schools, educational seminars, etc. in chronological order, starting with the most recent.

- Conference Name, Title, Date, Location
- ERASMUS +, INDEED PROGRAM, Innovative tools for diets oriented to education and health improvement in dysphagia condition, 21-23 June 2022, Huesca, Spain
- 26th International ICFMH Conference – FoodMicro 2018, Impact of environmental conditions on growth and toxin production of *Aspergillus carbonarius* and *A. flavus* isolates on wheat and rice grains, 3rd – 6th September 2018, Freie Universität Berlin, Germany
- 256th ACS National Meeting & Exposition, Division of Colloids and Surface Chemistry, Study of the influence of pH and ionic strength on the stability of melamine formaldehyde (MF) resin by field flow fractionation technique, 19-23 August 2018, Boston MA, USA
- 9th International Conference on Instrumental Methods of Analysis: Modern Trends and Applications (IMA2015), Determination of physicochemical parameters as a function of time for physically adsorbed or chemisorbed aroma compounds on starch granules from different origin by inverse gas chromatography, 20 – 24 September 2015, Kalamata, Greece
- The International Conference on Science, Ecology and Technology I (ICONSETE), Kinetic parameters for the interaction between aroma compounds and starch granules from different origin, 25-28 August 2015, Vienna, Austria
- 14th International Symposium on Field and Flow Based Separations, Study of melamine aggregation in the presence of potassium nitrate by gravitational field-flow fractionation, 05-08 July 2009, Patras, Greece
- 14th International Symposium on Field and Flow Based Separations Study of the stability of melamine resin (MF) particles by Sd/StFFF, 05-08 July 2009, Patras, Greece
- 14th International Symposium on Field and Flow Based Separations, Heat-induced changes in size distribution of bovine milk fat globules determined by sedimentation field-flow fractionation, 05-08 July 2009, Patras, Greece
- 14th International Symposium on Field and Flow Based Separations, The gravitational field-flow fractionation (GrFFF) for the study of the effect of fermentation temperature and pH on the growth kinetics of *Saccharomyces cerevisiae* yeast strain, 05-08 July 2009, Patras, Greece
- 9th International Hydrocolloids Conference, Kinetic Study of Alcoholic Fermentation in the Presence or Absence of Novel Biocatalysts by Reversed Flow Gas Chromatography, 15-19 June 2008, Singapore

<ul style="list-style-type: none"> ▪ 9th International Hydrocolloids Conference, Study of the influence of wheat starch granules as support for yeast immobilization on cell proliferation of <i>Saccharomyces cerevisiae</i> strains by Sedimentation/Steric Field-Flow Fractionation, 15-19 June 2008, Singapore
<ul style="list-style-type: none"> ▪ 14th International Symposium on Environmental Pollution and its Impact on Life in the Mediterranean Region with Focus on Environment and Health, Diffusion coefficients of NO₂ in artificial sea water and partition coefficients in water – air interface in the presence and the absence of surfactants, 10-14 October 2007, Seville, Spain
<ul style="list-style-type: none"> ▪ 1st International CEMEPE Conference, Diffusion coefficients of SO₂ in water and partition coefficients of SO₂ in water – air interface at different temperature values in the presence or absence of surfactants, 24-28 June 2007, Skiathos Island, Greece
<ul style="list-style-type: none"> ▪ 2007 – 28th – ICST, Study of the growth rate of <i>Saccharomyces cerevisiae</i> strains using wheat starch granules as support for yeast immobilization monitoring by Sedimentation/Steric Field-Flow Fractionation, 5-6 July 2007, Prague, Czech Republic
<ul style="list-style-type: none"> ▪ 2007 – 28th – ICST, Study of the influence of surfactants on the absorption mechanism of SO₂ into water by Reversed Flow Gas Chromatography, 5-6 July 2007, Prague, Czech Republic
<ul style="list-style-type: none"> ▪ 13th International Symposium on Field-Flow Fractionation, The steric correction on the Potential Barrier Field Flow Chromatography, 28 - 30 June 2007, Salt Lake City, Utah, USA
<ul style="list-style-type: none"> ▪ 12th International Symposium on Field-Flow Fractionation, Estimation of the total potential energy of interaction and the Hamaker constant in sedimentation field flow fractionation, 28 - 30 August, 2005, Brno, Czech Republic
<ul style="list-style-type: none"> ▪ First International Conference on Diffusion in Solids and Liquids, Diffusion coefficients of gases in liquids by reversed flow gas chromatography, 6 - 8 July 2005, Aveiro, Portugal
<ul style="list-style-type: none"> ▪ 79th ACS Symposium of Colloids and Surface Chemistry, Diffusion coefficients and partition coefficients of SO₂ in water – air interface at different pH values in the presence or absence of surfactants, 12-15 June 2005, Potsdam N.Y., USA
<ul style="list-style-type: none"> ▪ 79th ACS Symposium of Colloids and Surface Chemistry, The kinetic study of cell proliferation of <i>Saccharomyces cerevisiae</i> strains by sedimentation field flow fractionation, 12-15 June 2005, Potsdam N.Y., USA
<ul style="list-style-type: none"> ▪ 25th International Symposium on Chromatography, Stability Studies of colloidal silica particles by Sedimentation Field Flow Fractionation, 4-8 October 2004, Palais des Congrès, Paris, France
<ul style="list-style-type: none"> ▪ 10th International Symposium on Field-Flow Fractionation, Potential-Barrier field-flow fractionation: Potential curves and interactive forces, 2-5 July 2002, Amsterdam, THE NETHERLANDS
<ul style="list-style-type: none"> ▪ 10th International Symposium on Field-Flow Fractionation, Characterization of copolymers by sedimentation field-flow fractionation, 2-5 July 2002, Amsterdam, THE NETHERLANDS
<ul style="list-style-type: none"> ▪ International Symposium on Characterization of Macromolecules and Particles of Biological Origin, Preliminary experiments for the size analysis of <i>saccharomyces</i> C.S. by Sd/StFFF, 3-4 September 2002, Brno, CZECH REPUBLIC
<ul style="list-style-type: none"> ▪ International Symposium on Characterization of Macromolecules and Particles of Biological Origin, Optimization of experimental conditions and selection of the proper dispersing medium for the fractionation and characterization of starch granules by Sd/StFFF, 3-4 September 2002, Brno, CZECH REPUBLIC
<ul style="list-style-type: none"> ▪ International Symposium on Characterization of Macromolecules and Particles of Biological Origin, Particle-wall interactions in potential-barrier field-flow fractionation, 3-4 September 2002, Brno, CZECH REPUBLIC

- 23rd International Symposium on Chromatography, Study of the Influence of the Ionic Strength and the pH of the Suspending Medium on the Size of the Wheat Starch Granules Measured by Sedimentation/Steric FFF, 1-5 October, 2000, London, England
- 8th International Symposium on Field-Flow Fractionation, Study of the recovery of colloidal particles in potential barrier sedimentation field-flow fractionation, 6-8 September 1999, Paris, France
- 8th International Symposium on Field-Flow Fractionation Optimization of experimental conditions for the characterization of starch granules by Sd/St FFF, 6-8 September 1999, Paris, France

MEMBERSHIPS & REVIEWING ACTIVITIES

yyyy - yyyy	Evaluator, Name of University/Institution/Country
2019 - today	Member of the editorial board of the Science Journal of Chemistry
2006 - today	Reviewer to the following international research journals: Analytical Chemistry J. Chromatography A Food Research International LWT - Food Science & Technology African Journal of Food Science
2015	Member of the external committee for the evaluation of the Hellenic Quality Assurance and Accreditation Agency (ADIP) by the European Association for Quality Assurance in Higher Education (ENQA)
yyyy – yyyy	Member, Name of Research Network, etc.
1999 - Today	Member of the Association of Greek Chemists (2013-2015 Vice President of the Steering Committee)
2017 – 2021	Member of the Supreme Chemical Council of Hellas
2016 - 2021	General Secretary of the Panhellenic Union of Chemists in Industry and Corporations

SUPERVISION OF GRADUATE STUDENTS & POSTDOCTORAL FELLOWS

2021 - 2023	One (01) Master Student Dept. of Food Science and Technology, University of Peloponnese, Hellas
2022 - yyyy	One (01) PhD Candidate Dept. of Food Science and Technology, University of Peloponnese, Hellas

TEACHING ACTIVITIES

yyyy - yyyy	Teaching position – Topic, Name of University/Institution/Country
2021 - 2022	<p>Tenured Assistant Professor – Dept. of Food Science and Technology, University of Peloponnese, Hellas</p> <ul style="list-style-type: none"> - Introduction to Food Science and Technology - Analytical Chemistry - Physical Chemistry - Food Chemistry - Food Analysis - Physical Chemistry of Foods <p>MSc in “Technology and Quality of Table Olives and Olive Oil” – Dept. of Food Science and Technology, University of Peloponnese, Hellas</p> <ul style="list-style-type: none"> - Organoleptic control of olive oil - Analysis methods - Quality control
2013 - 2014	<p>Adjunct Assistant Professor – Dept. of Food Technology, TEI of Peloponnese, Hellas</p> <ul style="list-style-type: none"> - Food processing
2005 - 2014	<p>Adjunct Assistant Professor – Dept. of Food Technology, TEI of Peloponnese, Hellas</p> <ul style="list-style-type: none"> - Physical Chemistry - Instrumental Chemical Analysis
2010 - 2012	<p>Adjunct Assistant Professor – Dept. of Food Technology, TEI of Peloponnese, Hellas</p> <ul style="list-style-type: none"> - Analytical Chemistry
2004 – 2005	<p>Adjunct Lecturer – Dept. of Environmental and Natural Resources Management, University of Ioannina, Hellas</p> <ul style="list-style-type: none"> - General and Inorganic Chemistry - Organic Chemistry - Physical Chemistry
1999 - 2003	<p>PhD Candidate – Dept. of Chemistry, University of Patras, Hellas</p> <ul style="list-style-type: none"> - Laboratory exercises of Physical Chemistry

RESEARCH GRANTS

Project Title	Funding source	Period	Role of the PI
Development of rapid methods for assessing the quality of starch particles from various cereal species for purpose of agriculture and food industry	E.U	1999-2001	PhD Candidate

Investigation of the corrosion mechanism of cultural heritage works with the objective of choosing the most suitable corrosion inhibitors	University of Patras	11/03-11/06	Member of the Research Team
Development of new technology to study the exchange of pollutants between the atmospheric and aquatic environment	National and European Funding	6/03 – 8/06	Post Doctorate Researcher
Novel immobilized biocatalysts for increasing productivity, improving wine quality and for their industrialization in winemaking	National and European Funding	01/05-12/08	Post Doctorate Researcher
Modeling and simulation of physicochemical processes in the atmosphere to control and predict air pollution	National and European Funding	06/06 – 03/08	Member of the Research Team
Mechanism of gaseous pollutant-aqueous environment interaction: study of the effect of temperature, pH and surface films	University of Patras	01/06 – 12/08	Member of the Research Team
Establishment and function of an accredited laboratory of determination of mycotoxins (aflatoxins and ochratoxins) in food and agricultural products	National and European Funding	2006-2008	Member of the Research Team
Development of the research activities of the laboratory for mycotoxins determination aiming in improvement of the competitiveness of the food industries of the Region of Western Greece.	National and European Funding	2006-2008	Member of the Research Team
Characterization of starch particles and investigation of the mechanism for the interaction between starch particles and aroma compounds	National and European Funding	2011 – 2015	Member of the Research Team
ECVET for Permeability and Transferability between the Non-Formal and Formal Vocational Education and Training System	ERASMUS+	2015-2017	Staff member of collaborating organization
ECVET for work-based learning	ERASMUS+	2016 - 2018	Staff member of collaborating organization