

● WORK EXPERIENCE

CHEMIST, MSC, PHD, RESEARCHER (POSTDOC ASSOCIATE) – EPANEK – ESPA 2014-2020

Project Title: PIONEER TRACKERS AS NEW INDICATORS FOR DEFINING "FREE-RANGE" SYSTEMS

- Statistical processing of Chemical, Biochemical and Organoleptic Analyses & Comparison of different rearing methods
25/05/2022 - 26/11/2022

- Evaluation of results & Writing of Announcements/Publications at Meetings, International Conferences and Scientific Journals
25/05/2022 - 26/12/2022

CHEMIST, MSC, RESEARCHER – EPANEK – ESPA 2014-2020

Project Title: PIONEER TRACKERS AS NEW INDICATORS FOR DEFINING "FREE-RANGE" SYSTEMS

- Analysis of antioxidant status, levels of the musculoskeletal isoform of CK and determination of its activity in poultry serum and tissue
01/01/2021 - 31/12/2021
01/01/2020 - 31/12/2020
04/02/2019 - 31/12/2019

- Statistical processing of Chemical, Biochemical and Organoleptic Analyses & Comparison of different rearing methods
- Evaluation of results & Writing of Announcements/Publications at Meetings, International Conferences and Scientific Journals
01/01/2021 - 31/12/2021

CHEMIST, MSC, RESEARCHER – PEP EPIRUS 2014-2020

Project Title: DEVELOPMENT OF A MODEL INDUSTRIAL POULTRY FARMING UNIT

- Study of the long-term effect of diet on the levels of antioxidant status in plasma and meat of birds

01/01/2021 - 23/10/2021
18/09-2019 - 23/09/2019

CHEMIST, MSC, RESEARCHER – AGRICULTURAL POULTRY COOPERATIVE OF IOANNINA - A.P.S.I. "PINDOS"

Project Title: ANALYSES OF OXIDATIVE STRESS AND MUSCLE TISSUE QUALITY IN CHICKENS FROM A COMMERCIAL POULTRY UNIT

- Analyses of oxidative stress and muscle tissue quality in chickens

10/10/2017 - 31/10/2017
01/03/2017 - 31/03/2017

CHEMIST, RESEARCHER – LABORATOIRE DE CHIMIE PHYSIQUE MACROMOLECULAIRE, NANCY, FRANCE

- Design of chemical analyses

- Characterization of pseudopeptides by IR, NMR (1D, 2D), XRD techniques
- Analysis of experimental and numerical data
- Report of results and conclusions

01/10/2014 - 31/12/2014

● EDUCATION AND TRAINING

2022

DOCTORAL THESIS – Department of Chemistry, University of Ioannina, Ioannina, Greece

2015

MASTER'S DEGREE IN CHEMICAL AND BIOCHEMICAL TECHNOLOGIES – Department of Chemistry, University of Ioannina, Ioannina, Greece

2013

B.S. CHEMISTRY – Department of Chemistry, University of Ioannina, Ioannina, Greece

PRACTICE – Biochemical Laboratory, General University Hospital of Ioannina, Ioannina

● LANGUAGE SKILLS

Mother tongue(s): **GREEK**

Other language(s):

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken production	Spoken interaction	
ENGLISH	C2	C2	C2	C2	C2
GERMAN	B1	B1	B1	B1	B1

Levels: A1 and A2: Basic user; B1 and B2: Independent user; C1 and C2: Proficient user

● DIGITAL SKILLS

My Digital Skills

ECDL Cambridge | Operating Systems: Ms Windows, Linux, Ubuntu | Office suite: Microsoft Office, LibreOffice | Video Conferencing: Skype, Zoom, MsTeams | Internet browsing | emails

● CONFERENCES AND SEMINARS

Seminars

- Industrial Property Organization, "Protection of Inventions - From Idea to Commercialization", University of Ioannina, Ioannina, Greece
- ME-HaD TRAINING COURSE "Extracellular Vesicles & Exosomes", University of Ioannina, Ioannina, Greece
- 1st International Workshop on Reshaping Drug Discovery: The Intrinsically Disordered Proteome as Drug Target, University of Ioannina, Ioannina, Greece

- Series of Lectures on: "The Future of Chemistry and the Challenges for the Chemistry Department", Department of Chemistry, University of Ioannina, Ioannina, Greece
- Workshop on: "Health and Safety in Chemical Laboratories" Department of Chemistry, University of Ioannina, Ioannina, Greece

● PUBLICATIONS IN INTERNATIONAL SCIENTIFIC JOURNALS AND CONFERENCES

2022

"Control of Tyrosyl Radical Stabilization by {SiO₂@Oligopeptide} Hybrid Biomimetic Materials"

P. Stathi, **E. Fotou**; V. Moussis, V. Tsikaris, M. Louloudi, Y. Deligiannakis. *Langmuir*, 38 (32), 9799-9809, 2022, DOI: 10.1021/acs.langmuir.2c00710. <https://pubs.acs.org/doi/10.1021/acs.langmuir.2c00710>

2022

"The administration of the synthetic peptide YMESRADR with a low aspirin dose significantly augments its antiplatelet effect, in contrast to the highly constrained peptide (S,S) PSRCDCR-NH₂. An experimental study"

K. V. Englezopoulos, E. M. Stathopoulou, V. Moussis, V. G. Chantzichristos, N. D. Papamichael, P. T. Tatsidou, V. D. Roussa, M. E. Tsoumani, L. Lakkas, A. Rammos, C. S. Katsouras, **E. Fotou**, V. Tsikaris, A. D. Tselepis, L. K. Michalis. *Hellenic Journal of Cardiology*, 65, 2022, 10.1016/j.hjc.2022.01.002. <https://doi.org/10.1016/j.hjc.2022.01.002>

2021

"Intracellular targets: A multiple cargo transporting molecule"

C. Papadopoulos, **E. Fotou**, V. Moussis, A. Ntoyhaniari, S. Zografou, V. Maltabe, P. Kouklis, S. Christoforidis, V. Tsikaris. *J Pep Sci*. 2021; 27(11):e3359. <https://doi.org/10.1002/psc.3359>

2021

"Influence of dietary olive paste flour on the performance and oxidative stress in chickens raised in field conditions"

E. Fotou, V. Moulasioti, I. Angelis, V. Tsiouris, A. Patsias, C. Tellis, V. Moussis, M.E. Boti, D. Tsoukatos. *J Hellenic Vet Med Soc*, vol. 72, no. 3, pp. 3239-3248, Oct. 2021. <https://doi.org/10.12681/jhvms.28520>

2017

"Conformational studies of new pseudotriptide with pyrazine amidoxime motif and simplified analogs using IR, NMR spectroscopy, and molecular dynamic simulations"

O. Ovdiiichuk, O. Hordiyenko, **E. Fotou**, C. Gaucher, A. Arrault, M. C. Averlant-Petit. *Struct Chem* 28, 813-822 (2017). <https://doi.org/10.1007/s11224-016-0870-2>

2022

"Development of innovative bio-tools for a cTnI-detection assay"

E. Fotou, V. Moulasioti, V. Moussis, V. Tsikaris. 36th European Peptide Symposium and 12th International Peptide Symposium. Barcelona, Spain.

2022

"Unusual long-lived tyrosine radical: A study in liquid and solid phase"

E. Fotou, P. Stathi, V. Moussis, M. Louloudi, Y. Deligiannakis, V. Tsikaris. 36th European Peptide Symposium and 12th International Peptide Symposium. Barcelona, Spain.

2022

“A multiple-cargo transporting molecule for intracellular targeting”

E. Fotou, V. Moulasioti, V. Moussis, V. Tsikaris. 36th European Peptide Symposium and 12th International Peptide Symposium. Barcelona, Spain.

“IgY antibody production against phospholipases A2 from Vipera berus and Vipera ammodytes snake species”

V. Moulasioti, **E. Fotou**, V. Moussis, D. Sgouras, V. Tsikaris. 36th European Peptide Symposium and 12th International Peptide Symposium. Barcelona, Spain.

2022

“ELISA based quantification of chicken specific Troponin-T peptide in skeletal muscle TCA extracts”

I. Sarrigeorgiou, G. Tsinti, **E. Fotou**, V. Moulasioti, D. Kyriakou, C. Tellis, V. Moussis, A. Patsias, T. Stivarou, V. Tsikaris, V. Tsiouris, D. Tsoukatos, and P. Lymberi. 36 European Peptide Symposium and 12 International Peptide Symposium. Barcelona, Spain.

2022

“Effect of Olive Paste Flour on α -tocopherol and performance in broilers of a poultry farm unit”

E. Fotou, V. Moulasioti, I. Angelis, V. Tsiouris, A. Patsias, C. Tellis, V. Moussis, M.E. Boti, D. Tsoukatos. 26th World's Poultry Congress, Paris, France

2022

“Growth performance, meat quality and organoleptic characteristics in chickens raised under commercial production systems”

V. Moulasioti, **E. Fotou**, C. Tellis, D. Kyriakou, M. Papadami, A. Patsias, V. Moussis, M.E. Boti, I. Sarrigeorgiou, P. Lymberi, V. Tsikaris, V. Tsiouris, D. Tsoukatos. 26th World's Poultry Congress, Paris, France

2022

“Antioxidant status and growth performance of conventional, free-range, and free-range fed with aromatic plants broilers under industrial scale production”

E. Fotou, V. Moulasioti, C. Tellis, D. Kyriakou, M. Papadami, A. Patsias, V. Moussis, M.E. Boti, I. Sarrigeorgiou, P. Lymberi, V. Tsikaris, V. Tsiouris, D. Tsoukatos. 26th World's Poultry Congress, Paris, France

2022

“The effect of oxidative stress at the warm season in free-range poultry chickens raised in field conditions”

C. Tellis, M. Papadami, V. Moulasioti, **E. Fotou**, D. Kyriakou, I. Sarrigeorgiou, A. Patsias, V. Moussis, M.E. Boti, V. Tsiouris, V. Tsikaris, P. Lymberi, D. Tsoukatos. 26th World's Poultry Congress, Paris, France

2022

“Development of a quantitative ELISA for a chicken specific Troponin-T peptide in skeletal muscle TCA extracts with potential use in food industry”

I. Sarrigeorgiou, **E. Fotou**, V. Moulasioti, C. Tellis, V. Moussis, V. Tsikaris, V. Tsiouris, D. Tsoukatos, P. Lymberi. 26th World's Poultry Congress, Paris, France

2022

"Cell Penetrating Sequential Oligopeptide Carrier: a multivalent molecule for intracellular targeting and biomedical applications"

E. Fotou, V. Moulasioti, V. Moussis, V. Tsikaris. International Conference and Exhibition on The Future of Pharmaceutics and Novel Drug Delivery Systems

2021

"Comparison of the antioxidant status of conventional and free-range poultry production systems in industrial-scale production"

E. Fotou, V. Moulasioti, C. Tellis, D. Kyriakou, M. Papadami, A. Patsias, V. Moussis, I. Sarrigeorgiou, P. Lymberi, V. Tsikaris, V. Tsiouris, D. Tsoukatos.
3rd International and 12th National Animal Science Conference, Turkey

2021

"Effect of olive paste flour on the performance and α -tocopherol plasma levels in broiler chicks"

E. Fotou, V. Moulasioti, C. Tellis, D. Kyriakou, M. Papadami, A. Patsias, V. Moussis, I. Sarrigeorgiou, P. Lymberi, V. Tsikaris, V. Tsiouris, D. Tsoukatos.
3rd International and 12th National Animal Science Conference, Turkey

2021

"Growth performance, antioxidant status, and organoleptic characteristics in conventional vs slow-growing broiler chicks"

V. Moulasioti, **E. Fotou**, C. Tellis, D. Kyriakou, M. Papadami, A. Patsias, V. Moussis, I. Sarrigeorgiou, P. Lymberi, V. Tsikaris, V. Tsiouris, D. Tsoukatos.
3rd International and 12th National Animal Science Conference, Turkey

2021

"Development of a sensitive ELISA for the quantification of a chicken specific Troponin-T peptide EPAPPPEEKPRIKLTAPKIPE in skeletal muscle TCA extracts"

I. Sarrigeorgiou, T. Stivarou, **E. Fotou**, V. Moulasioti, C. Tellis, V. Moussis, V. Tsikaris, V. Tsiouris, D. Tsoukatos, P. Lymberi. 3rd International and 12th National Animal Science Conference, Turkey

2019

"Peptide derived from the intracellular tail of α IIb conjugated to a carrier peptide as platelet aggregation inhibitor"

E. Fotou, V. Moulasioti, V. Moussis, V. Tsikaris, D. Tsoukatos. EMLTD & 26th Anniversary International Congress on Thrombosis, Athens, Greece

2016

"Tyrosine Radical Lifetime in Peptides: A Liquid VS Solid Phase Study"

E. Fotou, P. Stathi, M. Louloudi, Y. Deligiannakis, V. Moussis, V. Tsikaris. 22nd Panhellenic Chemistry Conference, Thessaloniki, Greece

2016

"Development of Inhibitors of Human Platelet Aggregation through Intracellular Targeting"

E. Fotou, S. Papas, V. Moussis, A. Gkesouli, A. Gkourogianni, V. Chantzichristos, H. Moschonas, A. Tselepis, D. Tsoukatos, V. Tsikaris. 14th Panhellenic Congress of Clinical Chemistry, Ioannina, Greece

2014

"Redox Sensitive Molecular Transporters For Intracellular Drug Delivery"

E. E. Fotou, A. Gkesouli, V. Mousis, C. Papadopoulos, V. Chantzichristos, A. Tselepis, V. Tsikaris. 33rd European Peptide Symposium, Sofia, Bulgaria