
CURRICULUM VITAE

DIMITRIOS STAGOS

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Father's name: Fotios

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POSITIONS IN ACADEMIA AND EDUCATION

2010-2016 Assistant Professor in Animal Physiology - Toxicology, Department of Biochemistry and Biotechnology, University of Thessaly, Greece.

2010-2016 Lecturer in Animal Physiology, Department of Biochemistry and Biotechnology, University of Thessaly, Greece.

2009-2010 Visiting Lecturer in Animal Physiology, Department of Biochemistry and Biotechnology, University of Thessaly, Greece.

03/2007-02/2009 Post-doctoral Research Associate, University of Colorado at Denver, School of Pharmacy, Denver, CO, U.S.A.

09/2005-12/2005 Researcher in the Department of Molecular Physiology, College of Medicine, Penn State University, Hershey, PA, U.S.A.

2002-2006 Ph.D. at the Laboratory of Animal Physiology, Department of Biochemistry and Biotechnology, University of Thessaly, Larissa, Greece.

1999-2000 M.Sc. in Human Genetics, School of Biology, University of Leeds, Leeds, U.K.

1998 B.Sc. in Biology, Department of Biology, Aristotle University of Thessaloniki, Thessaloniki, Greece.

RESEARCH INTERESTS

- Antioxidant activity of plant extracts, plant polyphenols and other natural products.
- Physiological adaptive mechanisms of human organism to oxidative stress conditions.
- Chemopreventive (anticarcinogenic) activity of plant extracts, plant polyphenols and other natural products.
- Biochemical and physiological role of human aldehyde dehydrogenases.

TEACHING EXPERIENCE

Teaching of undergraduate courses

2017-today Teaching as Assistant Professor of the undergraduate course '*Dietary and Metabolic Biochemistry*' at the Department of Biochemistry & Biotechnology at the University of Thessaly.

2010-today Teaching (as Lecturer until 2015 and as Assistant Professor from 2016 until today) of the undergraduate course 'Animal Physiology I' at the Department of Biochemistry & Biotechnology at the University of Thessaly.

2010-today Teaching (as Lecturer until 2015 and as Assistant Professor from 2016 until today) of the undergraduate course 'Animal Physiology II' at the Department of Biochemistry & Biotechnology at the University of Thessaly. Participating in the lectures of the course and responsible for the practicals.

2010-today Teaching (as Lecturer until 2015 and as Assistant Professor from 2016 until today) of the undergraduate course 'Biochemical Toxicology' at the Department of Biochemistry & Biotechnology at the University of Thessaly. Participating in the lectures of the course and responsible for the practicals.

2009-2010 Teaching as visiting Lecturer of the undergraduate course 'Animal Physiology I' at the Department of Biochemistry & Biotechnology at the University of Thessaly.

2009-2010 Teaching as visiting Lecturer of the undergraduate course 'Animal Physiology II' at the Department of Biochemistry & Biotechnology at the University of Thessaly.

2009-2010 Teaching as visiting Lecturer of the undergraduate course 'Biochemical Toxicology' at the Department of Biochemistry & Biotechnology at the University of Thessaly. Participating in the lectures of the course and responsible for the practicals.

2003-2006 Teaching assistant as PhD student of the practicals of the undergraduate course 'Biochemical Toxicology' at the Department of Biochemistry & Biotechnology at the University of Thessaly.

Teaching of postgraduate courses

2010-today Teaching (as Lecturer until 2015 and as Assistant Professor from 2016 until today) of the post-graduate course 'Nutritional and Environmental Toxicology' for the M.Sc. programme '**Biotechnology – Nutrition and Environment**' at the Department of Biochemistry & Biotechnology at the University of Thessaly.

2010-today Teaching (as Lecturer until 2015 and as Assistant Professor from 2016 until today) of the post-graduate course 'Applications in Toxicology' for the M.Sc. programme '**Molecular Biology and Genetics Applications**' at the Department of Biochemistry & Biotechnology at the University of Thessaly. From 2015 until today, Responsible of the course.

2015-today Teaching as Assistant Professor of the post-graduate course 'Basic and advanced methods for the analysis of biomolecules' for the M.Sc. programme '**Molecular Biology and Genetics Applications**' at the Department of Biochemistry & Biotechnology at the University of Thessaly.

2015-today Teaching as Assistant Professor of the post-graduate course 'Chemoprevention' for the M.Sc. programme '**Toxicology**' at the Department of Biochemistry & Biotechnology at the University of Thessaly.

2015-today Teaching as Assistant Professor of the post-graduate course 'Foods and Nutrition' for the Interdepartmental M.Sc. programme '**Bioentrepreneurship**' of the Department of

Biochemistry & Biotechnology at the University of Thessaly and of the National Hellenic Research Foundation.

2017-today Teaching as Assistant Professor of the post-graduate course ‘Advanced Laboratory Methods’ for the M.Sc. programme ‘**Advanced Experimental and Computational Biosciences**’ at the Department of Biochemistry & Biotechnology at the University of Thessaly.

Teaching in seminars of training of graduates

2013-2015 Teaching as Lecturer of the module ‘Modern Methods of Bioanalysis in Nutrition’ for the ‘Programme of Lifelong Learning: Updating of Knowledge of Graduates (PEGA)’ at the Department of Biochemistry & Biotechnology at the University of Thessaly.

Supervision of research projects

Supervisor of undergraduate dissertations:

- 1) Spyrou Argyris. Effect of extracts from Greek grape varieties (*Vitis Vinifera*) and plant polyphenols on liver cancer HepG2 cells **2010**.
- 2) Koutsotheodorou Eleni. Effects of synthetic heterocycle compounds on tumor cell growth and on the expression of VEGF. **2012**.
- 3) Kreatsouli Konstantina. Study of the effects of plant extracts from the genera *Mentha*, *Sideritis* and *Salvia* on the growth of cervical cancer cells (HeLa). **2012**.
- 4) Demertzis Nikolaos. Assessment of oxidative markers (ROS) in muscle cells using flow cytometry after administration of grape extract. **2012**.
- 5) Mavridou Paraskevi. Assessment of glutathione (GSH) levels using flow cytometry in mouse muscle cells after treatment with grape extract. **2012**.
- 6) Karagkini Despoina-Aikaterini. Study of the effect of plant extracts of the genera *Salvia*, *Sideritis* and *Mentha* on the growth of liver cancer cells (HepG2). **2013**.
- 7) Alexiou Georgios. Determination of antioxidant activity of polyphenolic extracts from wastes of tomatoes processing. **2013**.
- 8) Fousteri Zinovia. Study of the antioxidant activity of polyphenolic extract from olive mill waste waters after encapsulation into protein, maltodextrin and gelatin. **2013**.
- 9) Konidaris Gerasimos. Study of antioxidant and antimutagenic activity of stevia (*Stevia rebaudiana*) extracts isolated from dried leaves. **2013**.
- 10) Aivazidis Stefanos. Determination of antioxidant activity of proteins from whey, soy and beef extracts. **2013**.
- 11) Barda Christina. Assessment of oxidative stress markers in chicken tissues treated with polyphenolic additives. **2014**.
- 12) Krouezas Alexandros. Assessment of oxidative stress markers in tissues (pancreas – stomach- liver) of pigs treated with polyphenolic additives during the ab lactation period. **2014**
- 13) Bourboulia Gabriella. Assessment of protective activity of extracts from *Rosaceae* family and *Punica granatum* (pomegranate) plants against ROS-induced DNA damage. **2014**.
- 14) Ntontou Amalia-Maria. Determination of redox potential using the diagnostic system RedoxSYS in humans after eccentric exercise-induced oxidative stress. **2014**.
- 15) Bella Evangelia. Determination of oxidative stress markers using the diagnostic system RedoxSYS in humans after mountain marathon running-induced oxidative stress. **2014**.
- 16) Kokka Eleutheria-Niki. Determination of oxidative stress markers in spleen tissue and blood from young sheep after feeding with feed supplemented with polyphenolic additives. **2015-2016**.

- 17) Terzopoulou Zoi. Determination of oxidative stress markers in cerebral and muscular (quadriceps) tissue from young sheep after feeding with feed supplemented with polyphenolic additives. **2015-2016.**
- 18) Kouka Paraskevi. Determination of oxidative stress markers in tissues (heart, liver) from young sheep meat after feeding with feed supplemented with polyphenolic additives. **2015-2016.**
- 19) Stamati Efrosyni. Determination of oxidative stress markers in tissues (brain, heart, spleen) of young piglets after feeding with feed supplemented with polyphenolic additives. **2015-2016.**
- 20) Skaperda Zoi. Determination of oxidative stress markers in tissues (kidney, lung, stomach, pancreas) from young broilers after feeding with feed enriched with whey protein. **2016.**
- 21) Moshonas Nikodimos. Determination of oxidative stress markers in tissues (quadriceps, heart) and blood plasma of broilers after feeding with feed enriched with whey protein. **2016.**
- 22) Koukoumis Vasilios. Determination of oxidative stress markers in tissues (liver, spleen and brain) of piglets after feeding with feed enriched with whey protein. **2016.**
- 23) Orfanou Marina. Determination of oxidative stress markers in hypermarathon mountain athletes. **2016.**
- 24) Karatzidou Christina. Determination of oxidative stress markers in patients with systemic inflammatory reaction after surgery. **2016.**
- 21) Tsilipounidaki Aikaterini. Determination of oxidative stress markers in patients with multiple wounds and systemic inflammatory response. **2016.**
- 22) Hatzis Alexandros. Determination of oxidative stress markers in tissues (quadriceps-heart) and blood of young broilers after feeding with feed enriched with grape pomace. **2016.**
- 23) Kypriotakis Antonios. Determination of oxidative stress markers in tissues (liver, spleen and brain) from young piglets after feeding with feed enriched with grape pomace. **2016.**
- 24) Antoniou Pinelopi. Determination of oxidative stress in tissues of lung, spleen and pancreas of young broilers after feeding with feed enriched with polyphenolic extract from olive oil mill waste. **2018.**
- 25) Kapsali Theodora. Determination of oxidative stress markers in broiler tissues (renal, quadriceps) after drinking water with polyphenolic extract from olive oil mill waste. **2018.**

Member of the Three Member Examining Committee of undergraduate dissertations

- 1) Diamantopoulos Aristotelis. The effect of exercise and allopurinol on albumin and malondialdehyde concentration in rat tissues. **2009.**
- 2) Kanaki Maria. Effects of legume extracts on catalase activity. **2009.**
- 3) Koursoviti Christina. Effect of exercise and allopurinol administration on albumin and malondialdehyde concentration in rat skeletal muscle. **2010.**
- 4) Palaiogiannis Dimitrios. Effect of extracts from grapes on superoxide dismutase activity. **2010.**
- 5) Zikou Maria. Effect of extracts from legumes on superoxide dismutase activity. **2010.**
- 6) Bakou Maria. Assessment of oxidative stress markers in blood of elite water polo athletes. **2010.**

- 7) Goutzourelas Nikolaos. Effect of exercise and grape extract administration on oxidative stress markers in heart and vastus quadriceps muscle of rats. **2010.**
- 8) Stathouli Dimitra. Assesment of levels of albumin's dimers in the blood and tissues of rats after exercise. **2010.**
- 9) Chronis konstantinos. Effects of exercise and grape extract administration on the redox status of gastrocnemius muscle and liver in rats. **2010.**
- 10) Kalampoka Stavroula. Assessment of inflammation markers in the blood of women athletes of water polo during a whole season. **2010.**
- 11) Papachristou Evangelia. Effects of pure polyphenolic compounds from legume extracts on topoisomerase II activity. **2010.**
- 12) Christodoulou Laura. Transgenic replacement of human connexin 32 in knockout mice in the central and peripheral nervous system. **2010.**
- 13) Kallianta Meletia. Effects of grape extracts on activity of topoisomerase I from wheat germ. **2010.**
- 14) Tselepi Maria. Effects of pure polyphenolic compounds from legume extracts on the human and wheat germ topoisomerase I. **2010.**
- 15) Emmanouilidi Aikaterini. Effects of pure polyphenolic compounds from legumes on the growth of cancer cells. **2011.**
- 16) Roka Athansia. Identification of mutations in K-RAS gene in histological sections using tissue microarray, Real Time PCR and DNA sequencing. **2011.**
- 17) Matsaroki Anna. Effects of grape extracts on eukaryotic topoisomerase I from wheat germ. **2012.**
- 18) Priftis Alexandros. Effect of goat whey protein on oxidative stress markers in mouse myoblasts (C2C12). **2012.**
- 19) Makridou Eftyhia. Assessment of effects of grape extracts on ribonuclease-A activity. **2012.**
- 20) Vasdekis Stergios. MicroRNAs and athletic performance. **2013.**
- 21) Petridou Anatoli. Effect of exercise on mRNA levels of genes related to lipolysis in adipose tissue of obese and lean subjects. **2013.**
- 22) Albanis Konstantinos. Study in vitro of the cytotoxic and anticarcinogenic activity of the carotenoids, saffron, crocin and safranal. **2013.**
- 23) Statiri Argyro. Assessment of glutathione levels, total antioxidant activity and protein carbonyls in endothelial cells treated with polyphenolic extract from grape pomace. **2014.**
- 24) Tsioutsouliti Athanasia. Assessment of glutathione levels, total antioxidant activity and protein carbonyls in muscle cells treated with polyphenolic extract from grape pomace. **2014.**
- 25) Gkika Eleni. Assessment of oxidative stress markers in piggs' blood and hepatic tissue, treated with polyphenolic additives in ablactation period. **2014.**
- 26) Karaveli Christina. Assessment of oxidative stress markers in piggs' cardiac, kidney, quadriceps and lung tissue, treated with polyphenolic additives in the ablactation period **2014.**
- 27) Chousmekeridou Anastasia. Effects of polyphenolic extract from grapes on the expression and activity of antioxidant enzymes in muscle and endothelial cells. **2014.**
- 28) Konstantinou Maria. Assessment of oxidative stress markers in septic patients. **2014.**
- 29) Lagarou Efthymia. Biomarkers of nonalcoholic fatty liver disease. **2014.**
- 30) Lemonakis aggelos. Biochemical evaluation of hypoglycemic activity of byproducts from pomegranate juice production. **2014.**

- 31) Liosi Maria. Assessment of redox status in mouse muscle cells treated with grape stem extracts. **2015**.
- 32) Mitsios Dimitrios. Assessment of redox status in piglets' tissues (kidney, lung, quadriceps muscle), fed with diet supplemented with polyphenolic additives. **2015**.
- 33) Sakellariou Vasilios. The effect of aerobic and anaerobic exercise on markers of oxidative stress in adults. **2015**.
- 34) Megagiannis Antonios. The role of metalloproteinases on the abdominal aortic aneurysm. **2015**.
- 35) Bregkou Erinda. Assessment of effects of sheep-goat whey protein on oxidative stress markers in EA.hy926 endothelial cells. **2015**.
- 36) Nikitopoulou Efterpi. The polymorphisms of Asp299Gly and Thr399Ile of Toll 4 type receptor in the Greek population. **2015**.
- 37) Kehagia Eleni. Development and validation of HPLC methodology to quantify plasma daptomycin. **2015**.
- 38) Ksanthopoulos Loukianos. Determination of redox potential with the RedoxSYS diagnostic system in septic patients and obese people. **2015**.
- 39) Papapostolou Porfyrios. The impact of a soccer match on factors that assess the iron state in human organism. **2015**.
- 40) Tsimperis Christos. Determination of oxidative stress markers in rabbit blood after administration of the pesticides cypermethrin and piperonyl butoxide. **2015-2016**.
- 41) Panagiotou Eleftheria-Maria. Effect of extracts from coffee varieties on the redox state of myoblasts and endothelial cells. **2016**.
- 42) Savva Salomi. Determination of oxidative stress markers in tissues (liver and spleen) from sheep after feeding with feed enriched with polyphenols from olive oil mill waste. **2016**.
- 43) Mitsiou Dimitra. Determination of antimutagenic activity of extracts from green coffee beans and roasted coffee beans. **2016**.
- 44) Karatza Konstantina. Changes of oxidative stress markers in athletes after performing eccentric exercise on an isokinetic dynamometer. **2016**.
- 45) Epitropaki Zoi. Determination of oxidative stress markers from blood and rabbit tissues after administration of anabolic nandrolone and insecticidal imidacloprid. **2016**.
- 46) Kati Sotiria. The effect of exercise on the redox status of heavy alcohol drinkers. **2016**.
- 47) Galatoulas Adam-Pantelis. Determination of oxidative stress markers in patients with diabetes mellitus, sepsis and systemic inflammatory response. **2016**.
- 48) Balabanos Dimitrios. The profile of endogenous androgen steroids as a diagnostic tool for obtaining synthetic anabolic in urine of athletes: the example of stanozolol. **2016**.
- 49) Kirmpaki Anna-Maria. Measurement of α -synuclein in oligodendrocytes. **2016**.
- 50) Vasiliadou Maria-Elissavet. Evaluation of laboratory tools for the study of the polypeptide prothymosin a (ProTa). **2017**.
- 51) Hatziefremidi Georgia-Anna. Evaluation of the antioxidant capacity of olive oil extract from *Olea europaea* grown in Mount Athos, in human EAhy926 endothelial and cervical Hela cells. **2017**.
- 52) Lakis Konstantinos. Effect of coffee extracts on oxidative stress markers in mouse myoblasts. **2017**.
- 53) Aggeli-Terzidou Antonia-Evgenia. Effect of coffee extracts on the expression of antioxidant genes in myoblasts and endothelial cells. **2017**.
- 54) Hatzikyriakos-Svokos Athanasios. Effect of nitrate-nitrite ions on exercise performance. **2017**.

- 55) Plotas Nikolaos. Aging of vinegar in different types of wood in order to produce a new product: highlighting the qualities of the Greek oak. **2017**.
- 56) Terpsidis Ilias-Konstantinos. Determination of oxidative stress markers in cardiac and liver tissues in broiler chickens after drinking water with polyphenolic extract from olive oil mill waste. **2017**.
- 57) Theodosi Andria. Determination of reducing power in human plasma after eccentric exercise on isokinetic dynamometer. **2017**.
- 58) Raftis Grigorios. Evaluation of antioxidant activity of olive oil extract from *Olea europaea* endemic variety grown in "Mount Athos" in murine myoblasts (C2C12) and human hepatic (HEPG2) cells. **2017**.
- 59) Plyka Christina. Effect of coffee extracts on oxidative stress markers in endothelial cells. **2018**.
- 60) Anastasiadou Adamantia. Y antibodies against the native polypeptide prothymosin alpha (ProTa). **2018**.
- 61) Soursou Vasiliki. Assessment of effects of coffee effect on the redox status of rats. **2018**.
- 62) Raftopoulou Sofia. Expression and enzymatic activity of SOD and GST in sheep tissues following the feeding of feed enriched with polyphenols from olive oil mill waste. **2018**.
- 63) Valta Kalliopi. Evaluation of the antioxidant capacity of extracts of olive blossoms by using a combination of molecular methods. **2018**.
- 64) Tsetsekos Georgios. Determination of total antioxidant capacity, oxidized glutathione and protein carbonyls in mouse myoblasts after treatment with whey protein. **2018**.
- 65) Tzortzi Dimitra. Determination of the effect of the polyphenolic composition of Greek olive oils on their antioxidant properties. **2018**.
- 66) Dimopoulou Sofia. Assessment of the antioxidant activity of Greek olive oils of different polyphenolic composition in human cervical cancer series (HeLa). **2018**.
- 67) Alexiadis Iordanis. Study of the redox potential of piglet tissues after administration of feeds enriched with byproducts from wine- and cheese-making. **2018**.
- 68) Mylona Athina. Expression and activity of the enzymes, glutathione S-transferase (GST), superoxide dismutase (SOD) and γ -glutamylcysteine (γ -GCL) in sheep tissues (heart, muscle and brain) after administration of feed enriched with byproducts from wine-making. **2019**.

Supervisor of postgraduate master's theses:

- 1) Panagoulis Christos. Study of antimicrobial activity of plant extracts from peppermint, sage and tea against the bacteria of *Staphylococcus aureus* and *Pseudomonas aeruginosa*. **2010**.
- 2) Akrivouli Zoi. Effects of extracts from *Lathyrus laxiflorus* on the proliferation and apoptosis of liver cancer cells. **2011**.
- 3) Kermeliotou Evangelia. Effects of grape stem extract on the growth of liver cancer cells and on angiogenesis. **2011**.
- 4) Gkalitsiou Elisavet. Study of the antioxidant and antimutagenic activity of stem extracts from Greek grape (*Vitis vinifera*) varieties. **2011**.
- 5) Trizoglou Ioanna. Effects of grape stem extracts on the growth of cervical cancer cells (HeLa). **2012**.
- 6) Mpatzilioti Antonia. Effects of grape stem extract on the expression of factors affecting angiogenesis. **2012**.

- 7) Mpesios Anastasios. Assessment of antioxidant activity of polyphenolic extracts from products and by-products of pomegranate (*Punica granatum*) juice production using molecular methods. **2012.**
- 8) Mpokari Andromachi. Assessment of antioxidant activity of lyophilized samples of products and by-products of pomegranate (*Punica granatum*) juice production using molecular methods. **2012.**
- 9) Mylonas Theophanis. Study of the effect of pure polyphenolic molecules isolated from plant extracts of *Salvia sclarea* and *Mentha microphylla* on cancer cell lines HeLa (cervical cancer cells) and MCF-7 (breast cancer cells). **2012.**
- 10) Gerasopoulos Konstantinos. Isolation and processing of polyphenolic substances from olive mill wastewaters (OMWW) and assessment of their antioxidant activity. **2012.**
- 11) Moshovidi Georgia. Effects of polyphenolic extracts from products and by-products of pomegranate (*Punica granatum*) juice production on breast cancer cell (MCF-7) growth and apoptosis. **2013.**
- 12) Voliotis Dimitris. Effects of grape stem extract on the whole gene expression in human hepatocellular carcinoma cells using DNA microarrays analysis. **2013.**
- 13) Georgatzi Vasiliki. Determination of antioxidant activity of whey protein on endothelial cells EA.hy926. **2013.**
- 14) Karterolioti Chrysavgi. Assessment of redox status in endothelial cells treated with polyphenolic extract from grape pomace. **2013.**
- 15) Kalampoukas Stefanos. Effects of plant extracts from the genera *Mentha*, *Sideritis* and *Salvia* on the growth of breast cancer cells (MCF-7). **2013.**
- 16) Oikonomidis Dimitrios. Assessment of redox status in blood of broiler chickens fed with diet supplemented with polyphenolic additives. **2013.**
- 17) Kreatsouli konstantina. Assessment of the antioxidant activity of an encapsulated polyphenolic extract from olive mill wastewater, using molecular and cellular methods. **2013.**
- 18) Zampakas Konstantinos. Assessment *in vitro* of reducing power and antioxidant activity of encapsulated polyphenolic extracts from olive mill wastewater. **2014.**
- 19) Dahtaris Athanasios. Assessment of antioxidant activity of polyphenolic extracts from *Rosaceae* family plants. **2014.**
- 20) Soulitsiotis Nikolaos. Study of the antioxidant activity of honey samples from the region of Olympus. **2014.**
- 21) Tzimi Aggeliki. Effects of whey sheep protein on the expression of the transcription factor Nrf2 in muscle C2C12 and endothelial EA.hy926 cells. **2014.**
- 22) Karagkini Despoina. Study of the effect of polyphenolic extracts from plants belonging to the genus *Prunus*, *Pyracantha*, *Pyrus*, *Rosa* and *Sanguisorba* on the growth of liver cancer cells (HepG2). **2015-2016.**
- 23) Lampronikou Marina. Study of antioxidant and antimutagenic activity of polyphenolic olive leaf extracts. **2016.**
- 24) Galiakis Dimitrios. Determination of oxidative stress markers in tissues (lung-stomach-kidney) of young piglets after feeding with feed enriched with grape pomace. **2016.**
- 25) Kouka Paraskevi. Determination of oxidative stress markers in patients with cerebral damage and systemic inflammatory response. **2016.**
- 26) Karkanta Eleftheria. Study of the antioxidant and antimutagenic activity of aqueous and methanolic extracts from Goji berry of *chinensis* and *barbarum* varieties. **2016.**

- 27) Dimitriadou Christina. Determination of antioxidant activity by using *in vitro* methods and flow cytometry in extracts from 'Dragon fruit' (*Hylocereus undatus*) and 'Passion fruit' (*Passiflora edulis*). **2017**.
- 28) Terzopoulou Zoi. Expression and activity of oxygenase of heme and catalase in the brain and lung of piglets after feeding with feed enriched in olive oil polyphenols. **2017**.
- 29) Chronis Konstantinos. Determination of antioxidant and antimutagenic activity of extracts from *Rosa canina*, *Lupinus albus*, *Lupinus angustifolius* and *Pyrus spinosa*. **2017**.
- 30) Kokka Eleftheria-Niki. Assessment of antioxidant activity of extract from Greek *Opuntia ficus-indica* by using a combination of molecular methods.
- 31) Lazaridou Maria. Development of mixed formulation of olive oil polyphenols and study of its inhibition against oxidation of LDL cholesterol. **2017**.
- 32) Papadopoulou Aliko. Determination of oxidative stress markers in the blood of broiler chickens after drinking water with polyphenolic extract from olive oil mill waste. **2017**.
- 33) Papikinos Konstantinos. Study of the effect of air microparticle extract from the Larissa area in human cells and DNA. Evaluation of the protective effect of coffee extracts. **2017**.
- 34) Ntontos Alexandros. Determination of oxidative stress markers in stomach and spleen tissues of broiler chickens, after drinking water with polyphenolic extract from olive oil mill waste. **2018**.
- 35) Melidis Dimitrios. Study of the effect of polyphenolic extracts from plants of the Rosaceae family on the growth of liver cancer cells. **2018**.
- 36) Skaperda Zoi-Vasiliki. Study of the antioxidant activity of extracts of the medicinal plants *Carthamus lanatus*, *Crepis sancta* and *Amaranthus blitum* by using a combination of molecular and chemical methods. **2018**.
- 37) Savva Salomi. Determination of antioxidant activity of extracts of *Cichorium endivia*, *Cichorium intybus*, *Cichorium spinosum* and *Sonchus asper*. **2018**.
- 38) Ladas Dimitrios. Determination of antioxidant activity of extracts of *Conium divaricatum*, *Ruta graveolens*, and *Artemisia arborescens*. **2018**.
- 39) Maragkou Ilektra. Determination of antioxidant activity of sheep's milk from small farms. **2018**.
- 40) Mantas Christos. Determination of protective activity of polyphenolic extracts from olive oil mill waste against oxidation of LDL cholesterol. **2018**.
- 41) Kontozisi Eftyhia. Study of the antioxidant activity of extract from *Conium divaricatum* in endothelial cells. **2019**.
- 42) Kamvoukou Christina-Anna. Study of the antioxidant capacity of extract from *Conium divaricatum* in HepG2 liver cells. **2019**.

Member of the Three Member Examining Committee of master's theses

- 1) Reri Eleni. Study of the antioxidant activity of extracts from peppermint, sage and tea, using *in vitro* methods. **2010**.
- 2) Tzanakouli Eleni. Effects of grape extracts on catalase activity. **2011**.
- 3) Spiliotou Vaia. Study of whole gene expression in rat muscles after exercise, using DNA microarrays analysis. **2011**.
- 4) Liakos Ioannis. Effects of the supplementation of N-acetylcysteine on the redox status of G6PD deficient subjects. **2011**.
- 5) Goutzourelas Nikolaos. Effects of exercise and spirulina supplementation on humans' redox status after eccentric exercise. **2012**.

- 6) Sidiropolou Eleni. Effects of extracts from *Lathyrus laxiflorus* on topoisomerase I activity. **2012**.
- 7) Georgakouli Kalliopi. Assessment of the antioxidant capacity of G6PD deficient subjects supplemented with lipoic acid. **2012**.
- 8) Georgadakis Stefanos. Assessment of redox status in muscle cells C2C12-treated with the oxidizing factor tert-butyl and grape extract, using flow cytometry. **2013**.
- 9) Sarafoglou Eleni. Assessment of antioxidant capacity in humans after consumption of pomegranate juice. **2013**.
- 10) Xintaropoulos Ioannis. Study of inhibition of ribonuclease-A enzyme by grape extracts. **2013**.
- 11) Kissa Apostolia-Vaia. Biochemical assessment of the hypoglycemic activity of extracts from byproducts of pomegranate juice production. **2013**.
- 12) Kordalis Evangelos. Assessment of oxidative stress markers in obese septic patients. **2014**.
- 13) Spanidis Ypatios. Study of the antioxidant activity of grape stem extracts in endothelial cells. **2015**.
- 14) Karaveli Christina. Evaluation of the distribution of fatty acids in plasma and tissues of young piglets fed with ration with polyphenolic additives from by-products of treated olive oil mill wastewater. **2016**.
- 15) Kitsikoudi Despoina. Determination of oxidative stress markers in tissues (lung-gut-kidney) of young chickens after feeding with polyphenolic additives from wine-making waste. **2016**.
- 16) Komini Urania. Expression and enzymatic activity of synthase of γ -glutamincysteine, superoxide dismutase and glutathione transferase in liver and spleen of sheep fed with feed enriched with polyphenols from olive oil mill wastewater. **2017**.
- 17) Koukoulanaki Marina. Effect of extracts from coffee and ficus-indica on the enzymatic activity of superoxide dismutase, catalase and glutathione transferase. **2017**.
- 18) Papadaki Sofia. Study of discoloration and enhancement of the purity of stevia extracts by using macroporous ion exchange resins. **2017**.
- 19) Papadopoulou Alikiki. Determination of oxidative stress markers in the blood of broiler chickens after drinking water with polyphenolic extract from olive oil mill wastewater. **2017**.
- 20) Bella Evangelia. Polymorphisms of the tumor suppressor p16 gene and association of these polymorphisms to high and low grade malformations being positive for HPV-16 clinical specimens. **2017**.
- 21) Sarri Anna. Development of HPLC-FLD methodology for the determination of the antibiotic Colistin in plasma. **2017**.
- 22) Efthymiou Nikolaos. Genetic predisposition for diabetes mellitus-2 by using a genetic score. **2017**.
- 23) Argyroulis Ioannis. Determination of oxidative stress markers in tissues (brain and quadriceps) from young sheep after feeding with feed enriched with olive oil mill wastewater. **2017**.
- 24) Halkia Antigoni-Vasiliki. The effect of supplemental uptake of lipoic acid on oxidative stress during exercise. **2017**.
- 25) Selemekou Maria. The effect of Corinthian raisin on oxidative stress markers during prolonged exercise. **2017**.

- 26) Balabanos Dimitrios. Effect of extracts from Greek endemic edible plants on the expression levels of genes regulated by Nrf2 transcription factor in endothelial cells. **2018.**
- 27) Koulaouzidou Elissavet. Effects of resin tooth seals on the levels of oxidative stress markers in human cells. **2018.**
- 28) Leventelis Christonikos. Measurement of oxidative stress markers in drug addicts blood. **2018.**
- 29) Mina Evangelia. The effect of supplemental lipoic acid uptake on the redox state during exercise. **2018.**
- 30) Demisli Sotiria. Development of nutritional supplement based on organic extra virgin olive oil with high concentration of polyphenols (Myrolion) and use of nanotechnology methods. **2018.**
- 31) Gaitanopoulos Georgios. Review of the European Union's regulatory framework, institutions and activities in the field of Toxicology and Chemicals. **2018.**
- 32) Demisli Sotiria. Food supplement based on extra virgin olive oil of high polyphenolic concentration (Myrolion) and on nanotechnology methods. **2018.**
- 33) Makiou Anthi-Styliani. Expression of Nrf2 target genes in rat tissues after administration of coffee extract. **2019.**
- 34) Zaharias Apostolos. Study of the effect of liquid electronic cigarettes on the redox state of human endothelial cells. **2019.**
- 35) Vrekou Evangelia. Study of the antioxidant activity of Greek dairy products by using a number of molecular methods. **2019.**
- 36) Potiriadi Ioanna. Non-chromatographic detection methodology for adulteration of Stevia products. **2019.**
- 37) Sidiropoulos Konstantinos. Evaluation of antioxidant activity of Greek milks. **2019.**

Member of the Examining Committee of postgraduate masters' theses

- 1) Matakos Antonios. Assessment of anti-carcinogenic potential of extracts from *Vitis vinifera* (grapes) and *Lathyrus laxiflorus*. **2012.** *Department of Cell and Organism Biology, Lund University, Lund, Sweden.*

Supervisor of doctoral theses

- 1) Georgiadis Nikolaos. Meta-analysis study in order to establish classification criteria of chemical substances as cardiotoxic according to the European legislation. **2018-today.**
- 2) Ladas Dimitrios. Isolation and assessment of bioactivity of polyphenolic extracts from *Castanea sativa* plant (European chestnut) from Melivia region of Larissa Prefecture. **2018-today.**

Member of the Three Member Consulting Committee of doctoral theses

- 1) Goutzourelas Nikolaos. Study of the effects of grape extracts exhibiting antioxidant activity on muscle and endothelial cells. **2013-2016.** *Department of Biochemistry & Biotechnology, University of Thessaly.*
- 2) Gerasopoulos Konstantinos. Evaluation of antioxidant capacity in broiler piglets and chickens fed with diet supplemented with antioxidant additives from olive mill wastewaters. **2013-2016.** *Department of Biochemistry & Biotechnology, University of Thessaly.*

- 3) Priftis Alexandros. Assessment of bioactivity of coffee extracts. **2015-2019**. *Department of Biochemistry & Biotechnology, University of Thessaly*.
- 4) Spanidis Ypatios. Assessment of oxidative stress *in vivo* using a novel marker of oxidation-reduction potential in physiological and pathophysiological conditions. **2015-2019**. *Department of Biochemistry & Biotechnology, University of Thessaly*.
- 5) Makri Sotirina. Assessment of antioxidant capacity of biofunctional feed supplemented with byproducts from wineries and olive mills in broiler chickens and sheep. **2015-today**. *Department of Biochemistry & Biotechnology, University of Thessaly*.
- 6) Kouka Paraskevi. Assessment of antioxidant activity of olive oil extract from the local variety 'Kerasoelia – Olea europea' from Mt. Athos by using a combination of molecular methods. **2016 – today**.
- 7) Fountoukidou Polykseni. Evaluation of oxidative stress markers in rat tissues and blood after long-term administration of pesticides' mixture and food conservatives **2016 – today**.

Member of the Seven Member Examining Committee of doctoral theses

- 1) Aggelis Apostolis. Pharmacognostic study of plants of *Fabaceae* family (*Vicia faba*, *Lotus edulis*, *Lotus longisilliquosus*, *Tetragonolobus purpureus*, *Lathyrus laxiflorus* susp. *laxiflorus*) and of the *Oryza sativa* (*Gramineae*) species. **2011**. *Department of Pharmacy, National and Kapodistrian University of Athens*.
- 2) Varamenti Paraskevi. Variation of markers of oxidative stress, inflammation and angiogenesis during a training season in elite women athletes of water polo. **2012**. *Department of Physical Education and Sport Science, National and Kapodistrian University of Athens*.
- 3) El Hamitie Avraam. Regulation of protein kinases activity by Cdc37 and by the group of chaperone proteins. **2013**. *Department of Biochemistry & Biotechnology, University of Thessaly*.
- 4) Kerasioti Efthalia. Effects of administration of carbohydrate-protein preparation on markers of oxidative stress, inflammation and hypoxia after exercise in humans. **2014**. *Department of Biochemistry & Biotechnology, University of Thessaly*.
- 5) Poulianiti Konstantina. Mechanisms of muscle function: the effect of uremia on biochemical status and oxidative stress. **2016**. *Department of Physical Education and Sport Sciences, University of Thessaly*.
- 6) Skenderidis Prodromos. Study on the chemical composition of fruits of Goji-Berry (*L. Barbarum* & *L. Chinensis*) grown in Thessaly region in bioactive and beneficial for the human health compounds.

Member of the Examining Committee of doctoral theses held in foreign Universities

- 1) B. Ramya. Antimicrobial, anticancer and larvicidal activity of green synthesized silver nano particles from *Justicia adhatoda* L. **2019**. *University of Madras, PG and Research Department of Zoology, Presidency College, Chennai, India*.

Supervisor of post-doctoral researchers

- 1) Poullos Efthymios. Effects of polyphenolic extract from grape stems on the expression of hypoxia inducible factor 1a (HIF-1a) in endothelial cells. **2011- 2012**.

- 2) Kafantaris Ioannis. Development of biofunctional animal feed supplemented with bioactive compounds from byproducts of cheese factories and wineries, and assessment of their biological activity in broiler pigs and sheep. **2014-2015**.

ADMINISTRATIVE EXPERIENCE IN ACADEMIA

2010-today Member of the General Assembly of the Department of Biochemistry & Biotechnology at the University of Thessaly.

2010-today Member of the Special Composition Assembly of the Department of Biochemistry & Biotechnology at the University of Thessaly.

2015-today Member of the Coordinating Committee of the MSc programme 'Toxicology' at the Department of Biochemistry & Biotechnology at the University of Thessaly.

2016-today Member of the Coordinating Committee of the MSc programme 'Biotechnology – Nutrition and Environment' at the Department of Biochemistry & Biotechnology at the University of Thessaly.

2013-2014 Supervisor of the Vocational Training of the undergraduate students of the Department of Biochemistry & Biotechnology at the University of Thessaly.

2010-today Responsible for the organization of the presentations of the undergraduate dissertations and master's theses.

2016 - 2018 Member of the Competition Committee for the procurement of consumables for the grant with code no. '5050, M.Sc.: Toxicology (FEK t.B' 441/24-3-2015)'

2016 - 2017 Member of the Reception Committee for the procurement of consumables for the grant with code no. '3439- M.Sc. "Biotechnology – Quality of Nutrition and Environment'.

2017 Member of the Reception Committee for the procurement of consumables and services for the grant with code no. '5486 - Scientific Guidance and Supervision of Metabolomic Measurements and Analyzes on Biological Samples and Measurements of Oxidative Stress on Organic Samples'.

2017 Member of the Reception Committee for the procurement of consumables and services for the grant with code no. '5352 – Laboratory of Animal Physiology'.

2018 Member of the Reception Committee for the procurement of consumables and services for the grants with code no. '5890 – Performance of experiments with in vitro tests and in particular bio-guided evaluation of antioxidant activity in the produced cherry fruit extracts»

2018 Member of the Reception Committee for the procurement of consumables and services for the grants with code no. '5835 – M.Sc. Toxicology (FEK Issue B' 3267/08.08.2018) ».

2018 Member of the Reception Committee for the procurement of consumables and services for the grants with code no. '5806 – Performance of experiments with in vitro tests and in particular bio-guided evaluation of antioxidant activity in the produced cherry fruit extracts ».

2018 Member of the Reception Committee for the procurement of consumables and services for the grants with code no. '5709 – Production of innovative cheese products, of high nutritional value and durability enriched with bioactive extracts of olive by-products (TYREL)».

2018 Member of the Reception Committee for the procurement of consumables and services for the grants with code no. '5281 – Development of methodology of antioxidant activity».

2018 Member of the Reception Committee for the procurement of consumables and services for the grants with code no. '5746 – Research-development and certification of innovative bio-functional foods based on plant-based extracts of grape stems from Greek varieties. (FUNCFOOD)».

2018 Member of the Reception Committee for the procurement of consumables and services for the grants with code no. ‘5678 – 1st Scientific Summit on Tobacco Harm Reduction (8-9/6/2018)».

2018 Member of the Reception Committee for the procurement of consumables and services for the grants with code no. ‘4512 – Study on oxidative stress markers and metabolic profile of patients».

2019 Member of the Reception Committee for the procurement of consumables and services for the grants with code no. ‘5600.01.04 – Horizontal support activities for self-financing programs».

2019 Member of the Reception Committee for the procurement of consumables and services for the grants with code no. ‘5893 – Cloud platform for the bioactivity of herbs from Epirus region (BioActHerb) ».

2019-today. Deputy Principal Investigator of Grants:

4512 Study on oxidative stress markers and metabolic profile in patients.

4513 Study on the agri-food identity of foods.

5050 M.Sc. programme: Toxicology (FEK t.B' 441/24-3-2015)

5281 Development of methodology of antioxidant activity.

5486 Scientific guidance and supervision of metabolomics measurements and analyses on biological samples and of oxidative stress measurements on biological samples.

5709 Production of novel cheese products of high added value and toughness enriched with bioactive extracts from by-products of olive fruit (TYREL).

5746 Research and development and certification of novel bioactive foods based on plant origin extracts from grape stems of Greek grape varieties (FUNCFOOD).

SHERIF: reSearch is a sERious Fun.

5806 Performance of organic experiments conducted with in vitro tests, namely bio-guided assessment of antioxidant activity, in the produced cherry fruit extracts .

M.Sc. programme ‘Toxicology’ ΠΙΜΣ (FEK Issue B’ 3267/08.08.2018).

5890 Performance of organic experiments conducted with in vitro tests, namely bio-guided assessment of antioxidant activity, in the produced cherry fruit extracts.

5893 Cloud platform for the bioactivity of herbs from Epirus region (BioActHerb).

5926 Anti-inflammatory activity of plant derived compounds.

6033 Study of the effects of the Buchinger Wilhelmi Fasting Program on the antioxidant capacity of humans.

SCIENTIFIC PUBLICATIONS

Monographs

1. **Dimitrios Stagos.** ‘Study of the biological properties of extracts and plant polyphenols from Greek grape varieties (*Vitis vinifera*)’. PhD Thesis, Department of Biochemistry & Biotechnology, University of Thessaly, **2006**.
2. **Dimitrios Stagos.** ‘Is the C383G polymorphism in triadin gene associated with malignant hyperthermia in the British population?’. MSc Thesis, School of Biology, University of Leeds, U.K., **2000**.

Co-author in Chapter of Scientific Books

1. Book Title: Cancer Surgery in the Elderly
Chapter Title: Nutrition, metabolism and wound healing
Co-authors of Chapter: Kouretas D, **Stagos D.**
Pages of Chapter: 23-32

Edition: Nova Science Publishers, Inc.
ISBN: 978-161209574-5
Publication Year: 2011

Translations of scientific books (from English to Greeks)

1. Participation in the scientific editing of the translation of the book 'Human Physiology: From cells to systems' (8th edition; written by: Lauralee Sherwood). The book is published in Greeks by Basdras' edition. **2016**.

Teaching Notes

1. D. Kouretas, **D. Stagos**. 'Notes for the Practicals of the Biochemical Toxicology course'. University of Thessaly, **2009**.
2. D. Kouretas, **D. Stagos**, N. Goutzourelas, A. Veskoukis. 'Notes for the Practicals of the Chemoprevention course' of the M.Sc. programme 'Toxicology' at the Department of Biochemistry & Biotechnology. University of Thessaly, **2016**.
3. D. Kouretas, **D. Stagos**, A. Alexias. 'Notes for the Practicals of the Animal Physiology course'. University of Thessaly, **2017**.

Publications in peer-reviewed scientific journals

(Total citations: 1529; Citations excluding self-citations: 1331, h-index: 22 Source: Scopus citation index)

1. **Stagos D**, Kouris S, Kouretas D. Plant phenolics protect from bleomycin-induced oxidative stress and mutagenicity in *Salmonella typhimurium* TA102. *Anticancer Research* (2004) *24(2B):743-745*.
2. **Stagos D**, Kazantzoglou G, Magiatis P, Mitaku S, Anagnostopoulos K, Kouretas D. Effects of plant phenolics and grape extracts from Greek varieties of *Vitis vinifera* on mitomycin C and topoisomerase I-induced nicking of DNA. *International Journal of Molecular Medicine* (2005) *15:1013-1022*.
3. **Stagos D**, Karaberis E, Kouretas D. Assessment of antioxidant / anticarcinogenic activity of plant extracts by a combination of molecular methods. *In Vivo* (2005) *19:741-747*.
4. **Stagos D**, Kazantzoglou G, Theofanidou D, Kakalopoulou G, Magiatis P, Mitaku S, Kouretas D. Antimutagenic activity of grape extracts from Greek varieties of *Vitis vinifera* against mutagenicity induced by bleomycin and hydrogen peroxide in *Salmonella typhimurium* TA102. *Mutation Research* (2006) *609:165-175*.
5. **Stagos D**, Umstead T, Phelps DS, Skaltsounis L, Charoutounian S, Floros J, Kouretas D. Inhibition of ozone-induced SP-A oxidation by plant polyphenols. *Free Radical Research* (2007) *41:357-366*.
6. **Stagos D**, Spanou C, Margariti M, Stathopoulos C, Mamuris Z, Kazantzoglou G, Magiatis P, Kouretas D. Cytogenetic effects of grape extracts and plant polyphenols on mitomycin C-induced SCEs in human blood lymphocytes. *Journal of Agricultural and Food Chemistry* (2007) *55(13):5246-5252*.

7. Spanou C, **Stagos D**, Tousias L, Angelis A, Aligiannis N, Skaltsounis AL, Kouretas D. Assessment of antioxidant activity of methanolic and aqueous extracts from unique Greek varieties of *Leguminosae* family plants using different in vitro assays. *Anticancer Research* (2007) 27(5A): 3403-3410.
 8. Marchitti S, Brocker C*, **Stagos D***, Vasiliou V. Non-P450 aldehyde oxidizing enzymes: the aldehyde dehydrogenase superfamily. *Expert Opinion on Drug Metabolism and Toxicology* (2008) 4(6):1-24.
- *The two authors have contributed equally to the writing of the article and their names are referred according to alphabetical order.
9. **Stagos D**, Zhou H, Ross D, Vasiliou V. 4-Hydroxynonenal inhibits angiogenesis in human endothelial cells. *Biochemical and Biophysical Research Communications* (2009) 379(3):654-658.
 10. Black WJ, **Stagos D**, Satori M, Nebert D, Bairoch A, Tipton K, Vasiliou V. Mammalian Aldehyde Dehydrogenase (ALDH) Superfamily: Suggested Nomenclature for Genes and Alternatively-Spliced Transcriptional Variants. *Pharmacogenetics and Genomics* (2009) 19(11):893-902.
 11. **Stagos D**, Chen Y, Brocker C, Donald E, Jackson BC, Orlicky D, Thompson D, Vasiliou V. Aldehyde dehydrogenase 1B1 (ALDH1B1): Molecular cloning and characterization of a novel acetaldehyde metabolizing enzyme. *Drug Metabolism and Disposition* (2010) 38(10):1679-1687.
 12. **Stagos D**, Chen Y, Cantore M, Jester J, Vasiliou V. Corneal Aldehyde Dehydrogenases: Multiple functions and novel nuclear localization. *Brain Research Bulletin* (2010) 81(2-3):211-218.
 13. Spanou C, **Stagos D**, Aligiannis N, Kouretas D. Influence of potent antioxidant *Leguminosae* family plant extracts on growth and antioxidant defence system of Hep2 cancer cell line. *Journal of Medicinal Food* (2010) 13(1):149-155.
 14. Veskoukis A, Kyparos A, **Stagos D**, Kouretas D. Differential effects of xanthine oxidase inhibition and exercise on albumin concentration in rat tissues. *Applied Physiology Nutrition and Metabolism* (2010) 35(3):244-250.
 15. Spanou C, Veskoukis AS, **Stagos D**, Liadaki K, Anastasiadi M, Haroutounian SA, Tsouka M, Tzanakouli E, Kouretas D. Effects of grape extracts on the in vitro activity of enzymes involved in oxidative stress regulation. *In Vivo* (2011) 25(4):657-662.
 16. Spanou CI, Veskoukis AS, **Stagos D**, Liadaki K, Aligiannis N, Angelis A, Skaltsounis AL, Anastasiadi M, Haroutounian SA, Kouretas D. Effects of Greek legume plant extracts on xanthine oxidase, catalase and superoxide dismutase activities. *Journal of Physiology and Biochemistry* (2012) 68(1):37-45.
 17. **Stagos D***, Amoutzias GD, Matakos A, Spyrou A, Tsatsakis AM, Kouretas D. Chemoprevention of liver cancer by plant polyphenols. *Food and Chemical Toxicology* (2012) 50(6):2155-70. (***Corresponding author**)
 18. Kerasioti E, Kiskini A, Veskoukis A, Jamurtas A, Tsitsimpikou C, Tsatsakis AM, Koutedakis Y, **Stagos D**, Kouretas D, Vaios K. Effect of a special carbohydrate-protein cake on oxidative stress markers after exhaustive cycling in humans. *Food and Chemical Toxicology* (2012) 50(8):2805-2810.
 19. Veskoukis AS, Kyparos A, Nikolaidis MG, **Stagos D**, Aligiannis N, Halabalaki M, Chronis K, Goutzourelas N, Skaltsounis L, Kouretas D. The antioxidant effects of a polyphenol-rich grape pomace extract in vitro do not correspond in vivo using exercise as an oxidant stimulus. *Oxidative Medicine and Cellular Longevity* (2012) 2012:185867.

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21. Kerasioti E, **Stagos D**, Jamurtas A, Kiskini A, Koutedakis Y, Goutzourelas N, Pournaras S, Tsatsakis AM, Kouretas D. Anti-inflammatory effects of a special carbohydrate-whey protein cake after exhaustive cycling in humans. *Food and Chemical Toxicology* (2013) 61:42-46.
22. Apostolou A, **Stagos D***, Galitsiou E, Spyrou A, Haroutounian S, Portesis N, Trizoglou I, Wallace Hayes A, Kouretas D. Assessment of polyphenolic content, antioxidant activity, protection against ROS-induced DNA damage and anticancer activity of Vitis vinifera stem extracts. *Food and Chemical Toxicology* (2013) 61:60-68. (***Corresponding author**)
23. Germanakis I, Tsarouhas K, Fragkiadaki P, Tsitsimpikou C, Goutzourelas N, Champsas MC, **Stagos D**, Rentoukas E, Tsatsakis AM. Oxidative stress and myocardial dysfunction in young rabbits after short term anabolic steroids administration. *Food and Chemical Toxicology* (2013) 61:101-105.
24. Karapetsa M, Pitsika M, Goutzourelas N, **Stagos D**, Tousia Becker A, Zakyntinos E. Oxidative status in ICU patients with septic shock. *Food and Chemical Toxicology* (2013) 61:106-11.
25. **Stagos D***, Apostolou A, Poullos E, Kermeliotou E, Mpatzilioti A, Kreatsouli K, Koulocheri SD, Haroutounian SA, Kouretas D. Antiangiogenic potential of grape stem extract through inhibition of vascular endothelial growth factor expression. *Journal of Physiology and Pharmacology* (2014) 65(6):843-52. (***Corresponding author**)
26. Goutzourelas N, **Stagos D**, Demertzis N, Mavridou P, Karterolioti H, Georgadakis S, Kerasioti E, Aligiannis N, Skaltsounis L, Statiri A, Tsioutsouliti A, Tsatsakis AM, Hayes AW, Kouretas D. Effects of polyphenolic grape extract on the oxidative status of muscle and endothelial cells. *Human and Experimental Toxicology* (2014) 33(11):1099-112.
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28. Kerasioti E, **Stagos D**, Priftis A, Aivazidis S, Tsatsakis AM, Hayes AW, Kouretas D. Antioxidant effects of whey protein on muscle C2C12 cells. *Food Chemistry* (2014) 155:271-8.
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30. Sahpazidou D, Geromichalos GD, **Stagos D**, Apostolou A, Haroutounian SA, Tsatsakis AM, Tzanakakis GN, Hayes AW, Kouretas D. Anticarcinogenic activity of polyphenolic extracts from grape stems against breast, colon, renal and thyroid cancer cells. *Toxicology Letters* (2014) 230(2):218-24.
31. **Stagos D**, Goutzourelas N, Bar-Or D, Ntontou AM, Bella E, Becker AT, Statiri A, Kafantaris I, Kouretas D. Application of a new oxidation-reduction potential assessment method in strenuous exercise-induced oxidative stress. *Redox Report* (2015) 20(4):154-62.

32. **Stagos D**, Goutzourelas N, Ntontou AM, Kafantaris I, Deli CK, Poullos A, Jamurtas A, Bar-Or D, Kouretas D. Assessment of eccentric exercise-induced oxidative stress using oxidation-reduction potential markers. *Oxidative Medicine and Cellular Longevity* (2015) 2015:204615.
33. Gerasopoulos K, **Stagos D**, Kokkas S, Petrotos K, Kantas D, Goulas P, Kouretas D. Feed containing byproducts from olive mill wastewater processing increases antioxidant capacity in broiler chickens. *Food and Chemical Toxicology* (2015) 82:42-49.
34. Spanidis Y, Goutzourelas N, **Stagos D**, Kolyva AS, Gogos CA, Bar-Or D, Kouretas D. Assessment of oxidative stress in septic and obese patients using oxidation-reduction potential markers. *In vivo* (2015) 29(5):595-600.
35. Goutzourelas N, **Stagos D**, Housmekeridou A, Karapouliou C, Kerasioti E, Aligiannis N, Skaltsounis AL, Spandidos D, Tsatsakis A, Kouretas D. Grape pomace extract exerts antioxidant activity through increase in GCS levels and GST activity in muscle and endothelial cells. *International Journal of Molecular Medicine* (2015) (in press).
36. Zeka K, Ruparelia KC, Continenza MA, **Stagos D**, Vegliò F, Arroo RR. Petals of *Crocus sativus* L. as a potential source of the antioxidants crocin and kaempferol. *Fitoterapia* (2015) (in press).
37. Goutzourelas N, **Stagos D**, Spanidis Y, Liosi M, Apostolou A, Priftis A, Haroutounian S, Spandidos DA, Tsatsakis AM, Kouretas D. Polyphenolic composition of grape stem extracts affects antioxidant activity in endothelial and muscle cells. *Molecular Medicine Reports* (2015) 12: 5846-5856.
38. Priftis A, **Stagos D**, Konstantinopoulos K, Tsitsimpikou C, Spandidos DA, Tsatsakis AM, Tzatzarakis MN, Kouretas D. Comparison of antioxidant activity between green and roasted coffee beans using molecular methods. *Molecular Medicine Reports* (2015) 12(5):7293-302.
39. Gerasopoulos K, **Stagos D**, Petrotos K, Kokkas S, Kantas D, Goulas P, Kouretas D. Feed supplemented with polyphenolic byproduct from olive mill wastewater processing improves the redox status in blood and tissues of piglets. *Food and Chemical Toxicology* (2015) 86:319-27.
40. Spanidis Y, Goutzourelas N, **Stagos D**, Mpesios A, Priftis A, Bar-Or D, Spandidos DA, Tsatsakis AM, Leon G, Kouretas D. Variations in oxidative stress markers in elite basketball players at the beginning and end of a season. *Experimental and Therapeutic Medicine* (2016) 11(1):147-153.
41. Spanidis Y, Mpesios A, **Stagos D**, Goutzourelas N, Bar-Or D, Karapetsa M, Zakyntinos E, Spandidos DA, Tsatsakis AM, Leon G, Kouretas D. Assessment of the redox status in patients with metabolic syndrome and type 2 diabetes reveals great variations. *Experimental and Therapeutic Medicine* (2016) 11(3):895-903.
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43. Kerasioti E, **Stagos D**, Georgatzi V, Bregou E, Priftis A, Kafantaris I, Kouretas D. Antioxidant Effects of Sheep Whey Protein on Endothelial Cells. *Oxidative Medicine and Cellular Longevity* (2016) 2016:6585737.
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48. Spanidis Y, **Stagos D**, Orfanou M, Goutzourelas N, Bar-Or D, Spandidos D, Kouretas D. Variations in Oxidative Stress Levels in 3 Days Follow-up in Ultramarathon Mountain Race Athletes. *Journal Strength and Conditioning Research* (2017) 31(3):582-594.
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52. Kerasioti E, Terzopoulou Z, Komini O, Kafantaris I, Makri S, **Stagos D**, Gerasopoulos K, Anisimov NY, Tsatsakis AM, Kouretas D. Tissue specific effects of feeds supplemented with grape pomace or olive oil mill wastewater on detoxification enzymes in sheep. *Toxicology Reports* (2017) 4:364-372.
53. Kouka P, Priftis A, **Stagos D**, Angelis A, Stathopoulos P, Xinos N, Skaltsounis AL, Mamoulakis C, Tsatsakis AM, Spandidos DA, Kouretas D. Assessment of the antioxidant activity of an olive oil total polyphenolic fraction and hydroxytyrosol from a Greek *Olea europea* variety in endothelial cells and myoblasts. *International Journal of Molecular Medicine* (2017) 40(3):703-712.
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- 65.** Priftis A, Angeli-Terzidou A-E, Panagiotou E-M, Halabalaki M, Ntasi G, Skaltsounis A-L, **Stagos D**, Kouretas D. Molecular toxicity studies of green and roasted coffee extracts reveal cell and dose specific mode of action.
53rd Congress of the European Societies of Toxicology, EUROTOX 2017, Bratislava, Slovakia, 10-13 September, 2017 – (P).
- 66.** Kouka P, Chatzieffraimidi G-A, Raftis G, Priftis A, **Stagos D**, Angelis A, Stathopoulos P, Xynos N, Skaltsounis A-L, Tsatsakis A, Kouretas D. Antioxidant Effects of an olive oil total polyphenolic fraction from a Greek *Olea Europea* variety in different cell cultures.

57th Annual Meeting and ToxExpo, SOT 2018, San Antonio, USA, 11-15 March, 2018 – (P).

67. Kerasioti E, Makri S, **Stagos D**, Taitzoglou I, Kouretas D. Study of the effect of sheep-goat whey protein on the redox state of rats.

14th Greek Veterinary Conference, 'Veterianry in a world which changes', 11-13 May, 2018 – (P).

68. Makri S, **Stagos D**, Petrotos K, Komiotis D, Kouretas D. Determination of redox status in broiler chickens after feeding with feed enriched with by-products from wine-making.

14th Greek Veterinary Conference, 'Veterianry in a world which changes', 11-13 May, 2018 – (P).

69. **Stagos D**, Soulitsiotis N, Tsadila C, Papaeconomou S, Arvanitis C, Ntontos A, Karkanta F, Adamou-Androulaki S, Petrotos K, Kouretas D, Mossialos D. Acquisition of high added value in honeys from Mt. Olympus by studying their antimicrobial and antioxidant activities.

Municipality of Serres and Univercity of Macedonia, 'International Conference of Agricultural Sector: Novel Technologies, Entrepreneurship and Local Development', Serres, Greece, 24-27 May, 2018 – (II).

70. Kouka P, **Stagos D**, A, Stathopoulos P, Skaltsounis A-L, Kouretas D. Correlation of composition and antioxidant activity in biophenolic extracts of Greek olive oils.

Municipality of Serres and Univercity of Macedonia, 'International Conference of Agricultural Sector: Novel Technologies, Entrepreneurship and Local Development', Serres, Greece, 24-27 May, 2018 – (II).

71. Makri S, **Stagos D**, A, Kouretas D. Exploitation of waste products from agricultural industries for the development of biogunctional animal feeds.

Municipality of Serres and Univercity of Macedonia, 'International Conference of Agricultural Sector: Novel Technologies, Entrepreneurship and Local Development', Serres, Greece, 24-27 May, 2018 – (II).

72. Kerasioti E, **Stagos D**, A, Kouretas D. Whey protein: Waste product vs biofunctional food..

Municipality of Serres and Univercity of Macedonia, 'International Conference of Agricultural Sector: Novel Technologies, Entrepreneurship and Local Development', Serres, Greece, 24-27 May, 2018 – (II).

FELLOWSHIPS – AWARDS

3rd Award for the best poster presentation 02/06/2013

International Conference on Food and Biosystems Engineering, (FaBE 2013), 30/05 – 02/06 2013, Skiathos island, Greece

Research fellowship 2003-2005

Greek Ministry of Development

General Secretariat of Research and Technology (PENED 2001)

SUBMISSIONS OF DNA SEQUENCES IN INTERNATIONAL BANKS OF GENETIC DATA (GENBANK)

1. Stagos D, Vasiliou V (2009). **FJ462711**: Homo sapiens mitochondrial aldehyde dehydrogenase 4 family member A1 transcript variant ALDH4A1_v6 (ALDH4A1) mRNA, complete cds.

PATENTS

1. Greek Organisation of Industrial Property (OBI)
Patent no.: 20160100438 / 1009180
Date of application: 5-8-2016
Title: 'Bioactive silage of animal feed, nutritionally enhanced with grape pomace from wine-making'
Beneficiaries: D. Kouretas, University of Thessaly – Special Account for Research Grants, **D. Stagos**, I. Kafantaris

RESEARCH GRANTS

1. **2003-2005 Title:** «Wine & Health». **Funding:** European Union and K.E.O.S.O.E. (Central Cooperative Association of Grapavine Products) through the G.S.R.T. (PENED 2011). **Budget:** 200,000 euros. **Member of the research group.**
2. **2006 Title:** «Human networks of research and technological training: Human network in the field of biofunctional foods». **Funding:** G.S.R.T. **Budget:** 200,000 euros. **Member of the research group.**
3. **2009-2011 Title:** «Development of biofunctional foods from extracts of pharmaceutical plants of Kissavos mountain». **Funding:** Prefecture of Thessaly. **Budget:** 50,000 euros. **Member of the research group.**
4. **2011-2013 Title:** «Foundation of the spin-off company 'K-Meditura' specialized on the development of biofunctional foods». **Funding:** G.S.R.T. **Budget:** 105,000 euros. **Member of the research group.**
5. **2011-2012 Title:** «Study of the anti-angiogenic activity of grape stem extract from Greek grape (*Vitis vinifera*) variety». **Funding:** Research Committee of the University of Thessaly. **Budget:** 3,300 euros. **Principal Investigator.**
6. **2011-2014 Title:** «Effects of carbohydrate-protein preparation on markers of oxidative stress, inflammation and hypoxia in humans after exercise». **Funding:** EPEDBM-ESPA. **Budget:** 45,000 euros. **Member of the research group.**
7. **2012-2014 Title:** «Study of markers of oxidative stress and metabolic profile in patients». **Funding:** 'Hartographoi Ygeias' Leon G. and Co. **Budget:** 200,000 euros. **Member of the research group.**
8. **2012-2014 Title:** «Study of the agri-food identity of foods». **Funding:** Theodora Tatsi and Co., 'Eat Walk Hellas' company. **Budget:** 60,000 euros. **Member of the research group.**
9. **2013-2014 Title:** «Assessment of oxidative stress in physiological and pathophysiological conditions, using the diagnostic system ORP of the Luoxis company». **Funding:** Luoxis company. **Budget:** 25,000 euros. **Member of the research group.**
10. **2012-2015 Title:** «Study of the composition and toxicity of liquids used in electronic cigarettes». **Funding:** Association of the Greek Companies of Electronic Cigarette **Budget:** 756,000 euros. **Member of the research group.**
11. **2015-2016 Title:** «Assessment of oxidative stress in humans, using the diagnostic system ORP». **Funding:** Luoxis company. **Budget:** 50,000 euros. **Member of the research group.**
12. **2018-2020 Title:** «Research and development and certification of novel bioactive foods based on plant origin extracts from grape stems of Greek grape varieties. (FUNCFOOD)». **Funding:** Ministry of Education and Religion. Act: 'Investigate – Create – Innovate' **Budget:** 146,200 euros. **Member of the research group.**

13. **2018-2020 Title:** «Cloud platform for the bioactivity of herbs from Epirus region (BioActHerb)». **Funding:** Perfecture of Epirus. **Budget:** 106,528 euros. **Member of the research group.**
14. **2019-2022.** Title: «Discovery and medicinal evaluation of marine bromophenol compounds from Aegean Ocean». **Funding:** «Competitiveness, Entrepreneurship and Innovation (EPAnEK) – Bilateral and Multipartite R&T Cooperation Greece – China» G.S.R.T. **Budget:** 400,000 euros. **Principal Investigator**

REVIEWER OF ARTICLES IN PEER-REVIEWED INTERNATIONAL SCIENTIFIC JOURNALS

Antioxidants
 Applied Sciences
 Biochemical Pharmacology
 Biomed Research International
 Biomedicines
 Chemical and Biological Interactions
 Cosmetics
 Current Medicinal Chemistry
 Current Opinion in Toxicology
 Food and Chemical Toxicology
 Free Radicals in Biology and Medicine
 Human and Experimental Toxicology
 Human Genomics
 International Journal of Biological Macromolecules
 International Journal of Cancer
 International Journal of Molecular Sciences
 Journal of Cancer Biology and Treatment
 Journal of Functional Foods
 Medicinal Chemistry
 Molecules
 Nutrients
 Oxidative Medicine & Cellular Longevity
 PLoS ONE
 Process Biochemistry
 Toxicology Letters
 Toxicology Reports
 Tumor Biology

SCIENTIFIC SEMINARS

27-30/9 2010 MC Meeting of Cost Action CM0602, ANGIOKEM, Rhodes Island, Greece.

In the context of the seminar, the following study was presented:

Stagos D, Hongfei Z, Ross D, Vasiliou V. 4-HNE inhibits tube formation and upregulates chondromodulin-I in human endothelial cells.

14/04-14/06 2005 Seminar of new scientists «PENED 2001»

Methodology and Practice for the Management of Research, Technology & Innovation
National Technical University of Athens, Athens, Greece.

23-27/04 2001 Training Seminar

Modern Diagnostic Methodology in Infectious and Autoimmune Diseases
Greek Institute of Pasteur, Athens, Greece.

MEMBER OF SCIENTIFIC ASSOCIATIONS

European Environmental Mutagen Society
Greek Association of Free Radicals and Oxidative Stress
Greek Association of Toxicology
Greek Association of Biosciences
Greek Geotechnical Chamber

SCIENTIFIC WORKING EXPERIENCE APART FROM ACADEMIA

08/2004-08/2007 Scientific collaborator of the Greek Parliament

07/2002-10/2002 Serko S.A., Industry of Tomatopaste

Municipality of Skoutari, Prefecture of Serres.

Department of quality control. Position: Biologist. Duties: Chemical control of product.

06/2001-06/2002 Prefecture of Serres

Department of Fishery. Position: Biologist. Duties: Administrative, chemical control of surface waters and aquaculture.

10/1998-06/1999 Mediplants, Company of pharmaceutical products

2nd km of the highway Serres-Thessaloniki.

Department of quality control. Position: Biologist. Duties: Chemical and microbiological control of drugs and cosmetics.

KNOWLEDGE OF LANGUAGES

Greeks: Excellent.

English: Certificate of Proficiency in English (University of Michigan).

KNOWLEDGE OF COMPUTER SOFTWARE PROGRAMS

European Computer Driving Licence (ECDL)

MILITARY SERVICE

Army, Medical Corp. **03/1997-03/1998**