

CURRICULUM VITAE
LUKAS H. MARGARITIS



SURNAME: MARGARITIS

FIRST NAME: LUKAS

TITLE: Professor Emeritus of Cell Biology, Radiobiology and Electron Microscopy

PLACE OF BIRTH: Nea Erythraia, Athens, Greece.

COMMUNICATING ADDRESS: Department of Cell Biology & Biophysics
Faculty of Biology, Athens University, 15784 Athens, Greece

e-mail: lmargar@biol.uoa.gr Loukas.Margaritis@biol.uoa.gr

home pages: <http://kyttariki.biol.uoa.gr>, <http://multimedia.biol.uoa.gr>

TELEPHONE NR: 0030-210-7274542

FAX NR: 0030-210-7274742

Mobile: 0030-6972051345

PRESENT POSITION: Professor Emeritus (as of Sept 2010), Dept of Cell Biology and Biophysics, Faculty of Biology, Athens University. Group Leader of the Electromagnetic Biology Team, Faculty of Biology, Athens University.
http://kyttariki2.biol.uoa.gr/emr_group.htm

EDUCATION - ACADEMIC ACTIVITIES

1964 - 1972: Undergraduate studies in Physics and Biology, Athens University, School of Sciences.

1966: Training in the Biological applications of the transmission electron microscope (Netherlands, Eindhoven-Philips Laboratories and Rijksuniversiteit Leiden-Laboratorium voor elektronenmicroscopie under the supervision of Professor Th. Daems and Dr. E. Wisse).

1969: Training on freeze-fracturing (Balzers, Liechtenstein) and on Zeiss photomicroscope (Oberkochen, Germany)

1973: Training on biochemical techniques in Johns Hopkins University (Baltimore, with Professor E.N. Moudrianakis) and on Scanning Electron microscopy in the Biological Laboratories, Harvard University (Cambridge, Mass, USA).

1974: Ph.D.Thesis (Athens University, Dept. of Biology, under the supervision of Prof. F.C. Kafatos). Title: "Programmed protein synthesis of specific proteins in cellular differentiation. A contribution to the study of chorion formation in the follicles of *Drosophila melanogaster*".

1974-1976: Post-doctoral researcher and teaching assistant of Cell Biology in the Biological Laboratories, Harvard University (Prof. Daniel Branton).

- 1975:** Lecturer in the Laboratory of Biology, Athens University.
- 1977:** Scholarship from the National Institutes of Health (NIH-USA) for training on the high voltage E.M. at the University of Colorado (Prof. Keith Porter).
- 1982:** Priv. Doz., Athens University. Title “Choriogenesis in *Drosophila melanogaster*: A model system for the study of cellular differentiation”
- 1983:** Assistant Professor of Cell Biology and Electron Microscopy at the Dept. of Biology, Athens University.
- 1984:** Publication of the textbook "Cell Biology, 1st edition" in Greek for the students of the Biological Sciences.
- 1986-1988:** Senate of Athens University council
- 1987:** Publication of the Textbook "Radiobiology: Radiation and Life" in Greek for the course "Biophysics".
- 1987:** Elected Associate Professor of Cell Biology, Faculty of Biology Athens University.
- 1987-1988:** Chairman, Dept. of Biochemistry, Cell-Molecular Biology and Genetics, Athens University.
- 1989-1991:** Chairman, Faculty of Biology, Athens University.
- 1989:** 3rd Edition and updating of the Textbook "Cell Biology" (21 chapters in 654 pages).
- 1991:** Nomination as Greek representative of the E.E.C. programs in Biotechnology (Brussels).
- 1991:** Full Professor of Cell Biology and Electron Microscopy, Faculty of Biology, Athens University
- 1992-1993:** Chairman, Dept. of Biochemistry, Cell-Molecular Biology and Genetics, Athens University.
- 1995-1997:** Chairman, Dept. of Biology, University of Athens
- 1989-2001:** Coordinator ERASMUS program with 33 European Universities
- 1998-2010:** Director, Master’s programme “MEDICAL BIOLOGY”, by the Dept. of Biology and the Medical School.
- 1998-2010:** Chairman, Dept. of Cell Biology and Biophysics (annual re-election).
- 2000-present:** Annual research grants by the “Research Account” of Athens University on “EMF effects on insects and mice”
- 2003-2006:** HRACLEITOS postgraduate research program (Ph.D. student A. Velentzas) on "apoptotic mechanisms during oogenesis in the medfly *Ceratitis capitata*."
- 2004-2006:** PYTHAGORAS I postdoctoral research program (postoc Dr. Ourania Konstandi) on "environmental factors affecting aging"
- 2004:** 4rth Edition and updating of the Textbook "Cell Biology" (996 pages, including 150 stereo images). co-authors, V. Galanopoulos, C. Keramaris, E. Marinos, I. Papisideri, I.P. Trougakos, D. Stravopodis.
- 2005-2006:** PYTHAGORAS II postdoctoral research program (postoc Dr. Ioannis Nezis) on "cell biological studies of apoptosis during oogenesis in Diptera".

2008: Organizer of the 1st Hellenic Congress on the effects of electromagnetic radiation with international participation, Thessaloniki, Greece.

http://multimedia.biol.uoa.gr/Synedrio_Thess/ProgrENG.htm

2009: Invited speaker, Electromagnetic fields and health. Stavanger, Norway, 14-21 Nov. "Effects of EMF on Memory Function". <http://emf2009.no/index.php/1293327>

2010: Invited speaker, 11th FELASA and 40th Scand-LAS Joint Meeting. New Paradigms in Laboratory Animal Science. "The application of the 3R's concept in EMF radiation research". Marina Congress Center, Helsinki, Finland, 14-17 June 2010. Proceedings, page 77.

2011: Invited speaker, 5th International Conference on Oxidative Stress in Skin Medicine and Biology. Electromagnetic radiation-induced oxidative stress. Oral presentation. Andros, Greece, 1-4 September, 2011. Proceedings, page 97.

2012: Invited speaker, 34th Scientific Conference of the Hellenic Society for Biological Sciences. "Radio-proteomics: The new era in electromagnetic biology. Trikala, Greece, 16-18 May 2012.

2014: Invited speaker, 6th International Conference on Oxidative Stress in Skin Medicine and Biology. Aug 28-31. "EMF induced oxidative stress"

2014: Invited speaker, International congress of the European Radiation Research Society, Sept 15-19. "Can low energy gigahertz photons induce biological damage?"

2012-2015: Coordinator and Scientific Leader of the *THALES MIS375784* Research Grant "Biological effects of non-ionizing electromagnetic fields: a multidisciplinary approach".

2016: UNESCO award for excellent research.

FOREIGN LANGUAGES: English, French, Italian.

TEACHING ACTIVITIES: Cell Biology, Electron Microscopy, Topics in Cell Biology, Biophysics/ Radiobiology, Image analysis and processing, Computers in Biology. Electromagnetic Biology and Health (MSc Program)

MEDIA ACTIVITIES: Frequent TV/Radio/Newspapers interviews related to EMF effects on health (http://kyttariki.biol.uoa.gr/emr_group.htm)

RESEARCH INTERESTS:

- Cellular / Molecular Biology and Biochemistry during gene expression in a model cell system: Insect Choriogenesis.
- Erythrocyte membrane disorders. Radioactive tracers for pharmaceutical applications.
- Effects of irradiation (lasers, UV) on the structure and function of the cornea.
- Effects of electromagnetic fields deriving from mobile phones, wireless DECT telephones, wi-fi routers, baby monitors, microwave ovens and ELF from power

lines on model biological systems including insects (*Drosophila melanogaster*), mice (*Mus musculus*), nematodes (*C. elegans*), lizards (*Podacris*), rabbits and human skin.

- Health risk assessment of the various EMF frequencies (ELF and RF) following precise field measurements in houses and schools.

The ongoing research of our Electromagnetic Biology Research Group is focused on the effects of various kinds and sources of electromagnetic radiation (mobile phones, blue tooth, wireless DECT, baby monitor, microwave oven, wi-fi, magnetic field, e.t.c.) on the reproduction and oogenesis of the fruit fly *Drosophila melanogaster*. Our recent activities are also focused on the irradiation of the model Rodent *Mus musculus* mouse in order to reveal defects on memory, behaviour, brain proteome, reproduction, apoptosis and other lesions induced by non ionizing radiation. Our recent work involves multidisciplinary approaches engaging the most sophisticated techniques, such as the Morris water Maze behavioural task, object recognition task, proteomics analysis, transcriptomics, ROS assay, immunohistochemistry, confocal laser microscopy and electron microscopy.

Our recent results have been published in peer review journals (see publication list)

Special attention has been given throughout our research protocols to the biological effects of mobile phone radiation (for the first time worldwide using real communication conditions) on model cell systems including oogenesis in Diptera, behaviour and reproduction in rodents. The results have shown a decrease in the reproductive capacity of *Drosophila* and deficits in osteogenesis of newborn mice, as well as memory impairment and brain protein/gene expression changes following mobile phone and wireless DECT radiation and have been published (see publication list).

Current research is focused on the changes of cellular and molecular parameters caused by EMFs on insects of the genus *Drosophila* and on mice *Mus musculus* under a variety of exposure conditions. For this purpose a large number of commercially available EMF – producing devices are being used for the experiments.

The approaches used include:

Behavioural – memory tasks in mice

Immunohistochemistry – histology

Proteomics

Microarrays

Lipidomics

Fluorometry

Oxidative stress analysis

Confocal microscopy

Electron microscopy

Western blotting

Another issue that concerns us is the electromagnetic radiation emitted by cell phone masts. For this purpose we are performing measurements inside houses and schools in order to inform the citizens about any excessive radiation levels even if those are within the Greek "safety levels". We strongly believe that a further reduction (below the 30% of the current law) should be decided by the government and on that direction we provide interviews in the media and well documented advice whenever needed.

RESEARCH MONOGRAPHS

I) HANDBOOKS

Radiobiology

Cell Biology

II) CHAPTERS IN BOOKS

- a) **Margaritis LH (1985)**. Structure and Function of the Insect Egg-shell In, *Comprehensive Insect Physiology, Biochemistry and Pharmacology*. Edited by G.A. Kerkut and L.I. Gilbert, Volume 1, chapter 6, pages 153-230. Pergamon Press.
- b) **Margaritis LH and Mazzini M (1998)**. The structure of the egg, In: Harrison FW and Locke M (Eds.), *Microscopic Anatomy of Invertebrates*, Wiley-Liss, New York.
- c) Trougakos IP and **Margaritis LH (2008)**. Novel Morphological and Physiological Aspects of Insect Eggs, In, [Chemoecology of Insect Eggs and Egg Deposition](#), Chapter 1.(?) Monika Hilker , Torsten Meiners Editors, John Wiley On line library.
- d) Panagopoulos DJ and **Margaritis LH (2008)**. Mobile telephony radiation effects on living organisms. In, *Mobile telephones*, chapter 3. Harper AC and Bures RV. Nova Publishers. ([pdf file](#))
- e) Fragopoulou AF and **Margaritis LH (2010)**. Is cognitive function affected by mobile phone radiation? In, "Non Thermal Effects and Mechanisms of interaction between electromagnetic fields and living matter", *European Journal of Oncology-Library* vol.5, pp 261-273, L. Giuliani and M. Soffritti (eds). ([pdf file](#))
- f) Fragopoulou AF and **Margaritis LH**. (2012). Review article in the BioInitiative 2012 Report. **Section 5. 2007-2012 Supplement: EMF Transcriptomics and Proteomics Research**. BioInitiative Working Group, Cindy Sage and David O. Carpenter, Editors. BioInitiative Report: A Rationale for Biologically-based Public Exposure Standards for Electromagnetic Radiation at www.bioinitiative.org, December 31, 2012

GRANTED PATENTS

Development of Greek patent on the protection from mobile phone radiation Nr. Gr 20070100259/1005919 (**2005**, extension **2007**)

PUBLICATIONS

1. Observations from studies on the cornea by the electron microscope.
Koliopoulos J.X., Margaritis L.H., Baltazis S. and Velissaropoulos P.
Bulletin Hel Ophth Soc 40:61-69, 1972
2. Alterations of the fine structure of the cornea in a case of acute ceratoconus.
Koliopoulos J.X., Margaritis L.H., Droutsas D. and Velissaropoulos P.
Iatriki 28:113-120, 1975
3. Studies on resolution and rotary shadowing for freeze-etching.
Margaritis L.H. and Branton D.
J Cell Biol 67:259a, 1975
4. Biochemical and structural analysis in intramembrane particles using recombination experiments and rotary shadow freeze-etch microscopy.
Margaritis L.H., Yu J. and Branton D.
J Cell Biol 67:259a, 1975
5. Quantitative and comparative ultrastructure of the vertebrate cornea I. Urobele Amphibia.
Margaritis L.H., Politof Th.K. and Koliopoulos J.X.
Tissue Cell 8:591-602, 1976
6. Quantitative changes and ultrastructural alteration of the cornea in response to ultraviolet light. I. Effects on rabbits.
Margaritis L.H., Politof Th.K. and Koliopoulos J.X.
Min Medica Greca 3:295-305, 1975
7. Quantitative changes and ultrastructural alterations of the cornea in response to ultraviolet light. II. Effects on Amphibia.
Margaritis L.H., Politof Th.K. and Koliopoulos J.X.
issue Cell 8:603-614, 1976
8. Three dimensional structure of the endochorion in wild type Drosophila melanogaster.
Margaritis L.H., Petri W.H. and Kafatos F.C.
J Exp Zool 178:403-408, 1976
9. Rotary replication for freeze-etching.
Margaritis L.H., Elgsaeter A. and Branton D.
Cell Biol 72:47-56, 1977
10. Comparative investigation of the changes of the cornea following exposure to the ultraviolet radiation.
Koliopoulos J.X. and Margaritis L.H.
Bulletin Hel Ophth Soc 45:39-53, 1977
11. Structural and image analysis of a crystalline layer from dipteran egg-shell.
Margaritis L.H., Petri W.H. and Wyman A.R.
Cell Biol Int Rep 3:61-66, 1979

12. Response of the cornea to far ultraviolet light: An ultrastructural study. **Koliopoulos J.X. and Margaritis L.H.** Ann Ophthalmol 11:765-769, 1979
13. Morphological characterization of the proteins of the erythrocyte membrane by combining freeze-fracturing and recombination. **Margaritis L.H. and Papisideri I.** Min Medica Greca 7:47-56,1979
14. Alterations of the red cell membrane glycoproteins in patients with diabetic retinopathy. **Papisideri I., Margaritis L.H. and Koliopoulos J.X.** Min Medica Greca 7:315-317, 1979
15. In vitro development of the Drosophila chorion in a chemically defined organ culture medium. **Petri W.H., Mindrinos MN., Lombard M.F. and Margaritis L.H.** Roux's Arch Dev Biol 186:351-362, 1979
16. The eggshell of *Drosophila melanogaster*. I. Fine structure of the layers and regions of the wild type eggshell. **Margaritis L.H., Kafatos F.C. and Petri W.H.** J Cell Sci 43:1-35, 1980
17. Crosslinking of the Drosophila chorion involves a peroxidase. **Mindrinos M.N., Petri W.H., Margaritis L.H., Galanopoulos V.G.** Roux's Arch Dev Biol 189:187-196, 1980
18. Crystalline layer in *Drosophila melanogaster* egg-shell: Arrangement of components as revealed by negative staining and reconstruction. **Hamodrakas S.J., Margaritis L.H. and Nixon P.E.** nt J Biol Macromol 4:25-31, 1982
19. Wax layer and innermost chorionic layer in *Drosophila melanogaster* eggs; Their relationship with the waterproofing properties of the laid eggs. **Papassideri I.S., Margaritis L.H. and Gulik-Krzywicki T.** Biol Cell 45:146, 1982
20. Isolation and characterization of sex-linked female-sterile mutants in *Drosophila melanogaster* with special attention to eggshell mutants. **Komitopoulou K., Gans M., Margaritis L.H., Kafatos F.C. and Masson M.** Genetics 105:897-920, 1983
21. The eggshell of Hawaiian *Drosophila*; Structural and biochemical studies in *D. grimshawii* and comparison to *D. melanogaster*. **Margaritis L.H., Dellas T., Kalantzi M., and Kambusellis M.K.** Roux's Arch Dev Biol 192:303-316, 1983
22. Microtubules during formation of the micropylar canal in *Drosophila melanogaster*. **Margaritis L.H.** Cell Biol Int Rep 8:317-321, 1984
23. Three-dimensional reconstruction of innermost chorion layer from *Drosophilla melanogaster*. **Margaritis L.H., Hamodrakas S.J., Arad T. and Leonard K.R.** Biol Cell 52:279-284, 1984
24. Polymerisation of oriental monomers VIII. Polymerisation of Allyl and diallyl vesicle forming quaternary ammonium salts. **Babilis D., Dais P., Margaritis L.H. and Paleos C.M.** J Pol Sci 23:1089-1098, 1985
25. Isolation and characterisation of nuclear particles containing rapidly labelled hnRNA and snRNA in combination with a distinct set of polypeptides of MW 74.000 and 72.000. **Hatzoglou M., Adamtziki E., Margaritis L.H. and Sekeris C. E** Exp Cell Res 157:227-241, 1985
26. The egg-shell of *Drosophila melanogaster*. III. Covalent cross linking of the chorion proteins involves endogenous hydrogen peroxide. **Margaritis L.H.** Tissue and Cell 17(4), 553-559 (1985)
27. Comparative study of the egg-shell in the fruit-files *Dacus oleae* and *Ceratitidis capitata* (Diptera: Tripetidae). **Margaritis L.H.** Can. J. Zool. 63, 2194-2206 (1985)
28. Ultrastructural analysis of chorion formation in the silk moth *Bombyx mori*. **Papanikolaou A.M., Margaritis L.H. and Hamodrakas S.J.** Can. J. Zool. 64, 1158-1173 (1986)

29. Thermotropic-like character and vesicular aggregation of N,N' Dididecyl succinamic and Maleamic acids. **Paleos C.M., Margomenou-Leonidopoulou G., Margaritis L.H. and Terzis A.** Mol. Cryst. Liq. Cryst. 129, 127-135 (1985)
30. Phylogenetic relationships within the montium species subgroup of the genus *Drosophila* (Sophophora) based on electrophoretic data of the major chorion proteins. **Kalantzi-Makri M.C., Margaritis L.H. and Sourdis J.** Annals. Soc. Ent. Fr (N.S.) 21(4), 357-366 (1985)
31. The corneal epithelium basement membrane complexes after alkali burn: An ultrastructural study. **Gartaganis S.P., Margaritis L.H. and Koliopoulos J.X.** Ann. Ophthalmol. 19, 263-268 (1987)
32. The eggshell of *Drosophila melanogaster*. V. Structure and morphogenesis of the micropylar apparatus. **Zarani F., and Margaritis L.H.** Can. J. Zool., 64, 2509-2519 (1986)
33. The eggshell of *Drosophila melanogaster*. II. New staging characteristics and fine structural analysis of choriogenesis. **Margaritis L.H.** Can. J. Zool., 64, 2152-2175 (1986)
34. Fine structure of the silkmoth *Antheraea polyphemus* chorion as revealed by X-ray diffraction and freeze-fracturing. **Hamodrakas S.J., Margaritis L.H., Papisideri I., Fowler A.** Int. J. Biol. Macromol. 8, 237-242 (1986)
35. Specific secretion of wax by the follicular cells of *Drosophila melanogaster*. **Papisideri I. and Margaritis L.H.** Cell Biol. Int. Rep. 10, 963-968 (1986)
36. Biochemical and structural studies of sex-linked chorion mutants. **Komitopoulou K., Margaritis L.H. and Kafatos F.C.** Devel. Genetics 9, 37-48 (1988)
37. A structural protein that plays an enzymatic role in the eggshell of *Drosophila melanogaster*. **Keramaris K.E., Stravopodis D. and Margaritis L.H.** Cell Biol. Int. Rep. 15, 151-159 (1991)
38. Choriogenesis in the Medfly *Ceratitis capitata* (Wiedermann) (Diptera : Tephritidae). **Mouzaki D. and Margaritis L.H.** Int. J. Insect Morphol. Embryol. 20, 51-68 (1991)
39. The eggshell of *D. melanogaster*. VI. Structural analysis of the wax layer in laid eggs. **Papisideri I.S., Margaritis L.H. and Gulik-Krzywicki, T.** Tissue and Cell, 23(4), 567-575 (1991)
40. Fine structure and morphogenesis of the micropylar apparatus in the Medfly *Ceratitis capitata* (Wiedermann) (Diptera: Tephritidae). **Zarani, F. and Margaritis L.H.** Int. J. Insect Morphol. Embryol. 20, 127-139 (1991)
41. Three-dimensional reconstruction of innermost chorion layer from *D. grimshawii* and *D. melanogaster* egg-shell mutant fs 384. **Margaritis L.H., Hamodrakas S.J., Papisideri I., Arad I. and Leonard K.** Int. J. Biol. Macromol., 13, 247 (1991)
42. Structure and morphogenesis of the Eggshell and Micropylar apparatus in the Olive fly, *Dacus oleae*. (Diptera: Tephritidae). **Mouzaki D., Zarani F. and Margaritis L.H.** J. Morphol., 209, 39-52 (1991)
43. Ultrastructural features and formation of the micropylar apparatus in the cherry fly *Rhagoletis cerasi*. **Zarani F. and Margaritis L.H.** J. Morphol. 208, 205-214 (1991)
44. The Eggshell of *Drosophila melanogaster*. VII. Formation of the micropylar canal and the role of the paracrystalline structure. **Zarani F. and Margaritis L.H.** Roux's Archives Dev. Biol., 200, 95-103 (1991)
45. The eggshell of the cherry fly *Rhagoletis cerasi*. **Mouzaki D. and Margaritis L.H.** Tissue and Cell 23(5), 745-754 (1991)
46. Immunolocalization of a peroxidase in the eggshell of *D. melanogaster*: Evidence for its participation in the hardening process. **Margaritis L.H., and Keramaris K.E.** Micron & Microscopica Acta, 22, 247-248, (1991)

47. Fine structure of the chorion of *Manduca sexta* and *Sesamia nonagriodes* as revealed by scanning electron microscopy and freeze-fracturing. **Orfanidou C.C., Hamodrakas S.J., Margaritis L.H., Galanopoulos V., Dedieu J.C., and Gulik-Krzywicki T.** Tissue and Cell 24:735-744, 1992
48. Tissue localisation of ¹²⁵I Triiodothyronine in the periorbital area of mice: a microautoradiographic study. **Sawas-Dimopoulou C., Papanastasiou E., Angelis A., Toubanakis N., and Margaritis L.H.** Nucl. Med. Biol. 19:627-637, 1992
49. Corneal endothelial damage after Nd:YAG laser anterior capsulotomy. An experimental study on rabbits. **Vaikoussis E., Bisogiannis Z. and Margaritis L.H.** Doc. Ophthalm. 83:279-286, 1993
50. Formation and characterisation of simple and mixed vesicles based on monomeric and oligomeric phosphate bipolar amphiphiles. **Kokkinia A., Keramaris K.E., Margaritis L.H., Malliaris A. and Paleos C.M.** J. Polym. Sci. (In Press, 1994)
51. The eggshell of *Drosophila melanogaster*. VIII. Morphogenesis of the wax layer during oogenesis. **Papasideri I., Margaritis L.H. and Gulik-Krzywicki T** Tissue & Cell 25:929-936, 1993
52. The eggshell of the almond wasp *Eurytoma amygdali* (Hymenoptera; Eurytomidae). I. Morphogenesis and fine structure of the eggshell layers. **Mouzaki D. and Margaritis L.H.** Tissue and Cell 25:559-568, 1994
53. The eggshell of the almond wasp *Eurytoma amygdali* (Hymenoptera; Eurytomidae). II. The micropylar appendage **Zarani F. and Margaritis L.H.** Tissue and Cell 26:569-577, 1994
54. Early detection of Amphotericin B induced nephrotoxicity by ^{99m}Tc-DTPA: a useful model. **Sawas-Dimopoulou C., Papathanasiou P. and Margaritis L.H.** Nuclear Med. Biol. 22:297-301, 1995
55. Egg-laying in *Drosophila melanogaster* (Diptera: Drosophilidae) and *Dacus (Bactrocera) oleae* (Diptera: Tephritidae) by phloroglucinol, a peroxidase inhibitor. **Keramaris K.E., Zografou E.N., Tsiropoulos G.J. and Margaritis L.H.** Bullet. Entomol. Res. 86:369-375, 1996
56. The eggshell of *Drosophila melanogaster*: IX Synthesis and morphogenesis of the innermost chorionic layer. **Papasideri I.S. and Margaritis L.H.** Tissue and Cell, 28: 401-409, 1996
57. Induction of an experimental Fanconi Syndrome in mice: Its effects on the glomerular filtration function studied by ^{99m}Tc -DTPA. **Sawas-Dimopoulou C., Sigalas I. and Margaritis L.H.** Nuclear Med. Biol. 23:807-812, 1996
58. Congenital Dyserythropoetic anemia Type I, in combination with a Thalassaemia. **M. Antonelou, I. Papassideri, F. Karababa, M. Gyparaki, A. Loutradi, and L. Margaritis** J Brit Hematology 102:300, 1998
59. The formation of the functional chorion structure of *Drosophila virilis* involves intercalation of the “middle” and “late” major chorion proteins into a scaffold formed by the “early” chorion proteins: A general model for chorion assembly in Drosophilidae. **Trougakos I. and Margaritis L.H.** Structural Biology 123:97-110, 1998
60. Immunolocalization of the Temporally “Early” secreted major structural chorion proteins, Dvs38 and Dvs36, in the eggshell layers and regions of *Drosophila virilis* **Trougakos I. and Margaritis L.H.** Structural Biology 123:111-123, 1998
61. Effects of gamma rays on the stability and size of DNA **Georgakilas A.G. Sakelliou L., Sideris E.g., Margaritis L.H., Sophianopoulou V.** Radiation Reserch 150: 488-491, 1998
62. Survival, fecundity and fertility of *Bactrocera oleae*, as affected by amino acid analogues. **Zografou E.N., Tsiropoulos G.J., Margaritis L.H.** Entomologia Experimentalis et Applicata 87: 125-32, 1998

63. The frequency of the allele α^{LELY} a low expression allele of the gene encoding erythroid spectrin α -chain in the Greek population. **Papassideri, I.S. M. H. Antonelou, F. Karababa, A. Loutradi, J. Delaunay, L.H. Margaritis** *Haematologica* 84:754-755, 1999
64. Biochemical and immunocytochemical analysis of vitellogenesis in the fruit fly and *Dacus (bactrocera) oleae* (Diptera: Tephritidae). **Trougakos IP, Lamnissou K, Margaritis LH.** *Cell Biol. Int* 23:417-429, 1999
65. Mass determination of the unit cell of the innermost chorionic layer in Drosophiliidae by scanning transmission electron microscopy. **Papassideri IS, Leonard KR, Mills D, Margaritis LH.** *J Struct Biol* 127:258-262, 1999
66. CD4 cytotoxic and dendritic cells in the immunopathologic lesion of Sjogren syndrome. **Xanthou G, Tapinos NI, Polihronis M, Nezis IP, Margaritis LH, Moutsopoulos HM.** *Clin Exp Immunol* 118:154-63, 1999
67. Origin of renewed spinal ganglia during tail regeneration in urodeles. **Koussoulakos S, Margaritis LH. Anton H** *Dev Neurosci* 21:134-139, 1999
68. A mechanism for action of oscillating electric fields on cells. **Panagopoulos DJ, Messini N, Karabarbounis A, Philippetis AL, Margaritis LH** *Biochem Biophys Res Commun.* . 272(3), 634, (2000)
69. Diversity of peripheral blood mononuclear cells as revealed by a novel multiple microgel "comet assay" **Visvardis, E., Haveles, KS., Pataryas Th., Margaritis LH., Sophianopoulou, V., Sideris EG** *Environ. Mol. Mutagen.* 36:32-39, 2000
70. Stage specific apoptotic patterns during *Drosophila oogenesis*. **Nezis I.P., Stravopodis D.J., Papassideri I.S., Robert-Nicoud M., Margaritis L.H.** *Eur.J. Cell Biol* 79:610-620, 2000

2001 - 2005

71. Differential sorting of constitutively co-secreted proteins in the ovarian follicle cells of *Drosophila* **Trougakos IP, Papassideri IS, Waring GL, Margaritis LH** *Eur J Cell Biol* 80:1-14, 2001
72. Actin cytoskeleton reorganization of the apoptotic nurse cells during the late developmental stages of oogenesis in *Dacus oleae*. **Nezis IP, Stravopodis DJ, Papassideri I, Margaritis LH** *Cell Motility and the Cytoskeleton* 48: 224-233, 2001
73. Biochemical and molecular evidence of peroxidase activity in *Segestidea novaeguineae* (Brancsik) (Orthoptera) and *Stichotrema dallatobreanum* Hofeneder (Strepsiptera). **Douroupi, T., Konstandi, O., Kathrithamby, J. and L.H. Margaritis.** *Tijdschrift voor Entomologie* 144:197-202, 2001
74. Dynamics of apoptosis in the ovarian follicle cells during the last stages of *Drosophila oogenesis*. **Nezis I.P., Stravopodis D.J., Papassideri I.S., Robert-Nicoud M., Margaritis L.H.** *Cell Tissue Res* 307: 401-409, 2001
75. A novel case of a haemoglobin H disease associated with clinical and morphological characteristics of congenital diserythropoetic anemia type I. **Antonelou, M.H., I. S. Papassideri, M. F. Karababa, M. Gyparaki., A. Loutradi, L. H. Margaritis.** *Eur. J. Haematology* 68:247-52, 2002
76. Proximal tubular epithelial cell integrins respond to high glucose by altered cell-matrix interactions and differentially regulate matrixin expression. **Karamessinis PM, Tzinia AK, Kitsiou PV, Stetler-Stevenson WG, Michael AF, Fan WW, Zhou B, Margaritis LH, Tsilibary EC.** *Lab Invest* 82:1081-1093,2002
77. Mechanism for action of electromagnetic fields on cells. **Panagopoulos DJ, Karabarbounis A, Margaritis LH.** *Biochem Biophys Res Commun* 298:95-102, 2002
78. Implantation of MNNG crystals into a Triturus intact limb affects mitotic and labelling indices, regeneration rate, and morphogenesis in the contralateral,

- regenerating limb. **Keramitsoglou T., Grispou E., Margaritis LH, Koussoulakos S.** *Teratog Carcinog Mutagen* 22:473-483, 2002
79. Effect of intravenous immunoglobulin treatment on the Th1/Th2 balance in women with recurrent spontaneous abortions. **Graphou O, Chioti A, Pantazi A, Tsukouna C, Kontopoulou V, Guorgiadou E, Balafoutas C, Koussoulakos S, Margaritis LH, Varla-Leftherioti M.** *Am J Reprod Immunol* 49:21-29, 2003
80. Ultrastructural characterization of the erythroid precursors in a novel case of congenital anaemia. **Antonelou M. H., I. S. Papassideri, F. Karababa, A. Loutradi, L. H. Margaritis.** *Blood Cells, Molecules & Diseases* 30:30-42, 2003
81. Defective organization of the erythroid cell membrane in novel case of congenital anaemia. **Antonelou, M. H., I. S. Papassideri, F. Karababa, D.J. Stravopodis, A. Loutradi, L. H. Margaritis.** *Blood Cells, Molecules & Diseases*, 30(1):43-54, 2003
82. Modes of programmed cell death during *Ceratitidis capitata* oogenesis. **Nezis I, Modes V, Mpakou V, Stravopodis D., Papassideri, I., Mammali I., Margaritis, L. H.** *Tissue & Cell* 35:113-119, 2003
83. Structural and Biochemical analysis of the *Leptinotarsa decemlineata* (Coleoptera; Chrysomeloidea) crystalline chorionic layer. **Papassideri, I. S., Trougakos, J., K. Leonard, and Margaritis, L. H.** *Journal Insect Physiology* 49: 377-384, 2003
84. Quantitative estimation of HRP-labeled sensory and motor neurons during nerve-dependent and nerve-independent periods of urodele limb regeneration. **Koussoulakos S, Margaritis LH, Mitashov V., Anton H.** *Izv Akad Nauk Ser Biol* (4):405-415, 2003
85. Fine specificity and subclasses of IgG anti-actin autoantibodies differ in health and disease. **Zamanou A, Samiotaki M., Panayotou G., Margaritis, L. H., Lymberi P.** *J Autoimmun.*, 20:333-44, 2003
86. The 4C5 antigen is associated with Schwann cell migration during development and regeneration of the rat peripheral nervous system. **Yfanti E., Sidera K., Margaritis, L. H., Patsavoudi E.** *Glia.* 45(1):39-53, 2004
87. Effect of GSM 900-MHZ mobile phone radiation on the reproductive capacity of *Drosophila melanogaster*. **Panagopoulos, D.J., Karabarbounis A., Margaritis L.H.** *Electromagnetic Biology & Medicine*, vol23, nr.1, 29-43, 2004
88. Morphological irregularities and features of resistance to apoptosis in the dcp-1/pita double mutated egg chambers during *Drosophila oogenesis*. **Nezis IP, Stravopodis DJ, Papassideri IS, Stergiopoulos C, Margaritis L.** *Cell Motil Cytoskeleton.* 2005 Jan;60(1):14-23
89. The enzymatic component of *Drosophila melanogaster* chorion is the Pxd peroxidase. **Konstandi OA, Papassideri IS, Stravopodis DJ, Kenoutis CA, Hasan Z, Katsorchis T, Wever R, Margaritis LH.** *Insect Biochem Mol Biol* 35:1043-1057, 2005
90. A comparative amplification of five different genomic regions on Coxsackie A and B viruses. Implications in clinical diagnostics. **Bolanaki E, Kottaridi C, Markoulatos P, Margaritis L, Katsorchis T.** *Mol Cell Probes* 19:127-135, 2005
91. Glucocorticoid receptor isoforms in human hepatocarcinoma HepG2 and SaOS-2 osteosarcoma cells: presence of glucocorticoid receptor alpha in mitochondria and of glucocorticoid receptor beta in nucleoli. **Psarra AM, Solakidi S, Trougakos IP, Margaritis LH, Spyrou G, Sekeris CE.** *Int J Biochem Cell Biol* 37:2544-2558, 2005
92. Nucleotide analysis and phylogenetic study of the homology boundaries of coxsackie A and B viruses. **Bolanaki E, Kottaridi C, Markoulatos P, Margaritis L, Katsorchis T.** *Virus Genes* 31:307-320, 2005
93. Molecular cloning and tissue-specific transcriptional regulation of the first peroxidase family member, Udp1, in stinging nettle (*Urtica dioica*). **Douroupi**

- TG, Papassideri IS, Stravopodis DJ, Margaritis LH.** Gene 362:57-69, 2005
94. Follicular atresia during *Dacus oleae* oogenesis. **Nezis IP, Stravopodis DJ, Margaritis LH, Papassideri IS.** J Insect Physiol 52:282-290, 2005.

2006

95. Membrane protein carbonylation in non-leukodepleted CPDA-preserved red blood cells. **Kriebardis AG, Antonelou MH, Stamoulis KE, Economou-Petersen E, Margaritis LH, Papassideri IS.** Blood Cells Mol Dis 36:279-282, 2006
96. Programmed cell death of follicular epithelium during the late developmental stages of oogenesis in the fruit flies *Bactrocera oleae* and *Ceratitis capitata* (Diptera, Tephritidae) is mediated by autophagy. **Nezis IP, Stravopodis DJ, Margaritis LH, Papassideri IS.** Dev Growth Differ 48:189-198, 2006
97. Evolution of 2B and 2C genomic parts of species B Coxsackie viruses. Phylogenetic study and comparison with other regions. **Bolanaki E, Kottaridi C, Markoulatos P, Margaritis L, Katsorchis T.** Virus Genes 32:249-259, 2006
98. The dual role of chorion peroxidase in *Bactrocera oleae* chorion assembly. **Konstandi OA, Papassideri IS, Stravopodis DJ, Antonelou MH, Kenoutis CA, Stefanidou DC, Margaritis LH.** Int J Dev Biol 50:543-552, 2006
99. Chromatin condensation of ovarian nurse and follicle cells is regulated independently from DNA fragmentation during *Drosophila* late oogenesis. **Nezis IP, Stravopodis DJ, Margaritis LH, Papassideri IS.** Differentiation 74:293-304, 2006.
100. Autophagy is required for the degeneration of the ovarian follicular epithelium in higher Diptera. **Nezis IP, Stravopodis DJ, Margaritis LH, Papassideri IS.** Autophagy 2:297-298, 2006
101. Programmed cell death of the ovarian nurse cells during oogenesis of the silkworm *Bombyx mori*. **Mpakou VE, Nezis IP, Stravopodis DJ, Margaritis LH, Papassideri IS.** Dev Growth Differ 48:419-428, 2006

2007

102. Mechanisms of programmed cell death during oogenesis in *Drosophila virilis*. **Velentzas AD, Nezis IP, Stravopodis DJ, Papassideri IS, Margaritis LH.** Cell Tissue Res 327:399-414, 2007
103. Cell death induced by GSM 900-MHz and DCS 1800-MHz mobile telephony radiation. **Panagopoulos DJ, Chavdoula ED, Nezis IP, Margaritis LH.** Mutat Res 626:69-78, 2007
104. Apoptosis and autophagy function cooperatively for the efficacious execution of programmed nurse cell death during *Drosophila virilis* oogenesis. **Velentzas AD, Nezis IP, Stravopodis DJ, Papassideri IS, Margaritis LH.** Autophagy 3:130-132, 2007
105. Stage-specific regulation of programmed cell death during oogenesis of the medfly *Ceratitis capitata* (Diptera, Tephritidae). **Velentzas AD, Nezis IP, Stravopodis DJ, Papassideri IS, Margaritis LH.** Int J Dev Biol 51:57-66, 2007
106. Physiologically important secondary modifications of red cell membrane in hereditary spherocytosis-evidence for in vivo oxidation and lipid rafts protein variations. **Margetis P, Antonelou M, Karababa F, Loutradi A, Margaritis L, Papassideri I.** Blood Cells Mol Dis 38:210-220, 2007
107. Structural alterations of the erythrocyte membrane proteins in diabetic retinopathy. **Petropoulos IK, Margetis PI, Antonelou MH, Koliopoulos JX, Gartaganis SP, Margaritis LH, Papassideri IS.** Graefes Arch Clin Exp Ophthalmol 245:1179-1188, 2007

108. Crystalline yolk spheroids in *Drosophila melanogaster* oocyte: freeze fracture and two-dimensional reconstruction analysis. **Papassideri IS, Trougakos IP, Leonard KR, Margaritis LH.** *J Insect Physiol* 53:370-376, 2007
109. Oxytocin receptor is differentially expressed in mouse endometrium and embryo during blastocyst implantation. **Beretsos P, Loutradis D, Koussoulakos S, Margaritis LH, Kiapekou E, Mastorakos G, Papaspirou I, Makris N, Makrigiannakis A, Antsaklis A.** *Ann N Y Acad Sci* Dec 1092:466-479, 2006
110. Partial 3D gene sequences of Coxsackie viruses reveal interspecies exchanges. **Bolanaki E, Kottaridi C, Markoulatos P, Kyriakopoulou Z, Margaritis L, Katsorchis T.** *Virus Genes* 35:129-140, 2007
111. Progressive oxidation of cytoskeletal proteins and accumulation of denatured hemoglobin in stored red cells. **Kriebardis AG, Antonelou MH, Stamoulis KE, Economou-Petersen E, Margaritis LH, Papassideri IS.** *J Cell Mol Med* 11:148-155, 2007
112. Comparison of bioactivity between GSM 900 MHz and DCS 1800 MHz mobile telephony radiation. **Panagopoulos DJ, Chavdoula ED, Karabarbounis A, Margaritis LH.** *Electromagn Biol Med* 26:33-44, 2007
113. Storage-dependent remodeling of the red blood cell membrane is associated with increased immunoglobulin G binding, lipid raft rearrangement, and caspase activation. **Kriebardis AG, Antonelou MH, Stamoulis KE, Economou-Petersen E, Margaritis LH, Papassideri IS.** *Transfusion* 47:1212-1220, 2007
114. Visualisation of liposomes prepared from skin and stratum corneum lipids by transmission electron microscopy. **Hatziantoniou S, Nezis IP, Margaritis LH, Demetzos C.** *Micron* 38:777-781, 2007

2008

115. Different modes of programmed cell death during oogenesis of the silkworm *Bombyx mori*. **Mpakou VE, Nezis IP, Stravopodis DJ, Margaritis LH, Papassideri IS.** *Autophagy* 4:97-100, 2008
116. Drug-mediated targeted disruption of multiple protein activities through functional inhibition of the Hsp90 chaperone complex. **Stravopodis DJ, Margaritis LH, Voutsinas GE.** *Curr Med Chem* 14:3122-3138, 2007 Review
117. Cloning and functional characterization of the ovine Hormone Sensitive Lipase (HSL) full-length cDNAs: an integrated approach. **Lampidonis AD, Argyrokastritis A, Stravopodis DJ, Voutsinas GE, Ntouroupi TG, Margaritis LH, Bizelis I, Rogdakis E.** *Gene* 416:30-43, 2008
118. A PCR-based integrated protocol for the structural analysis of the 13th exon of the human beta-myosin heavy chain gene (MYH7): development of a diagnostic tool for HCM disease. **Stravopodis DJ, Zappeiropoulos AZ, Voutsinas G, Margaritis LH, Papassideri IS.** *Exp Mol Pathol* 84:245-250, 2008
119. RBC-derived vesicles during storage: ultrastructure, protein composition, oxidation, and signaling components. **Kriebardis AG, Antonelou MH, Stamoulis KE, Economou-Petersen E, Margaritis LH, Papassideri IS.** *Transfusion* 48:1943-1953, 2008
120. Cloning and functional characterization of the 5' regulatory region of ovine Hormone Sensitive Lipase (HSL) gene. **Lampidonis AD, Stravopodis DJ, Voutsinas GE, Messini-Nikolaki N, Stefos GC, Margaritis LH, Argyrokastritis A, Bizelis I, Rogdakis E.** *Gene* 427:65-79, 2008
121. Mobile Telephone Radiation effects on living organisms. **Panagopoulos DJ and Margaritis LH.** In, *Mobile telephones, Networks, Applications and Performance.* Editors: A.C. Harper and R.V. Bures, pp. 107-49, 2008 Nova Science Publishers. ISBN: 978-1-60456-436-5

2009

122. Cell death during *Drosophila melanogaster* early oogenesis is mediated through autophagy. **Nezis IP, Lamark T, Velentzas AD, Rusten TE, Bjørkøy G, Johansen T, Papassideri IS, Stravopodis DJ, Margaritis LH, Stenmark H, Brech A.** *Autophagy*, 5(3):298-302, 2009
123. Grade-dependent effects on cell cycle progression and apoptosis in response to doxorubicin in human bladder cancer cell lines. **Stravopodis DJ, Karkoulis PK, Konstantakou EG, Melachroinou S, Lampidonis AD, Anastasiou D, Kachrilas S, Messini-Nikolaki N, Papassideri IS, Aravantinos G, Margaritis LH, Voutsinas GE.** *Int J Oncol* 34:137-160, 2009
124. Intracellular clusterin inhibits mitochondrial apoptosis by suppressing p53-activating stress signals and stabilizing the cytosolic Ku70-Bax protein complex. **Trougakos IP, Lourda M, Antonelou MH, Kletsas D, Gorgoulis VG, Papassideri IS, Zou Y, Margaritis LH, Boothman DA, Gonos ES.** *Clin Cancer Res* 15:48-59, 2009
125. A curriculum vitae of teeth: Evolution, Generation, Regeneration. **Koussoulakou DS., Margaritis LH, Koussoulakos SL.** *Int. J. Biol. Sci.* 5:226-243, 2009
126. Transcriptional and post-translational regulation of clusterin by the two main cellular proteolytic pathways. **Balantinou E, Trougakos IP, Chondrogianni N, Margaritis LH, Gonos ES.** *Free Radic Biol Med.* 46(9):1267-74, 2009.
127. Human bladder cancer cells undergo cisplatin-induced apoptosis that is associated with p53-dependent and p53-independent responses. **Konstantakou EG, Voutsinas GE, Karkoulis PK, Aravantinos G, Margaritis LH, Stravopodis DJ.** *Int J Oncol.* 2009 Aug;35(2):401-16.
128. Increased protein carbonylation of red blood cell membrane in diabetic retinopathy. **Margetis PI, Antonelou MH, Petropoulos IK, Margaritis LH, Papassideri IS.** *Exp Mol Pathol.* 2009 Aug;87(1):76-82.
129. The mode of lymphoblastoid cell death in response to gas phase cigarette smoke is dose-dependent. **Sdralia ND, Patmanidi AL, Velentzas AD, Margaritis LH, Baltatzis GE, Hatzinikolaou DG, Stavridou A.** *Respir Res.* 2009 Sep 10;10:82.
130. BCL-2, BAX and P53 expression profiles in endometrial carcinoma as studied by real-time PCR and immunohistochemistry. **Porichi O, Nikolaidou ME, Apostolaki A, Tserkezoglou A, Arnogiannaki N, Kassanos D, Margaritis L, Panotopoulou E.** *Anticancer Res.* 2009 Oct;29(10):3977-82.

2010

131. Bioeffects of mobile telephony radiation in relation to its intensity or distance from the antenna. **Panagopoulos DJ, Chavdoula ED, Margaritis LH.** *Int J Radiat Biol.* 2010 May;86(5):345-57. Erratum in: *Int J Radiat Biol.* 2010 Jul;86(7):612.
132. Red blood cell aging markers during storage in citrate-phosphate-dextrose-saline-adenine-glucose-mannitol. **Antonelou MH, Kriebardis AG, Stamoulis KE, Economou-Petersen E, Margaritis LH, Papassideri IS.** *Transfusion.* 2010, 50(2), 376-89.
133. Comparative Analysis of Peripheral Natural Killer Cells in the Two Phases of the Ovarian Cycle. **Pantazi A, Tzonis P, Perros G, Graphou O, Keramitsoglou T, Koussoulakos S, Margaritis L, Varla-Leftherioti M.** *Am J Reprod Immunol.* 2010 Jan;63(1):46-53.
134. Comparison of biological effects between continuous and intermittent exposure to GSM-900-MHz mobile phone radiation: Detection of apoptotic cell-death features. **Chavdoula ED, Panagopoulos DJ, Margaritis LH.** *Mutat Res.* 2010, 700,51-61. [pdf file for download](#)

135. 17-Allylamino-17-demethoxygeldanamycin induces downregulation of critical Hsp90 protein clients and results in cell cycle arrest and apoptosis of human urinary bladder cancer cells **Karkoulis PK, Stravopodis DJ, Margaritis LH, Voutsinas GE**. BMC Cancer. 2010 Sep 9;10:481.
136. Cell-produced alpha-synuclein is secreted in a calcium-dependent manner by exosomes and impacts neuronal survival. **Emmanouilidou E, Melachroinou K, Roumeliotis T, Garbis SD, Ntzouni M, Margaritis LH, Stefanis L, Vekrellis K**. J Neurosci. 2010 May 19;30(20):6838-51.
137. The effect of exposure duration on the biological activity of mobile telephony radiation. **Panagopoulos DJ, Mararitis LH**. Mutation Research-Genetic Toxicology and Environmental Mutagenesis. 699(1-2): 17-22, 2010.
138. The identification of an intensity 'window' on the bioeffects of mobile telephony radiation. **Panagopoulos DJ, Mararitis LH**. International Journal of Radiation Biology. 86(5): 358-366, 2010.
139. Bioeffects of mobile telephony radiation in relation to its intensity or distance from the antenna. **Panagopoulos DJ, Chavdoula ED, Margaritis LH**. Int J Radiat Biol. 2010 May;86(5):345-57.
140. Cranial and postcranial skeletal variations induced in mouse embryos by mobile phone radiation. **Fragopoulou AF, Koussoulakos SL, Margaritis LH**. Pathophysiology. 2010, 17(3), 169-177. [pdf file for download](#)
141. Whole body exposure with GSM 900MHz affects spatial memory in mice. **Fragopoulou AF, Miltiadous P, Stamatakis A, Stylianopoulou F, Koussoulakos SL, Margaritis LH**. Pathophysiology. 2010, 17(3), 179-187. [pdf file for download](#), [pdf file with videos](#)
142. Is cognitive function affected by Mobile Phone Radiation exposure? **Fragopoulou A.F. and Margaritis L.H** In, " Non Thermal Effects and Mechanisms of interaction between electromagnetic fields and living matter ", European J. Oncology-Library vol.5, pp 261-273, 2010 L. Giuliani and M. Soffritti (eds)
143. Scientific panel on electromagnetic field health risks: consensus points, recommendations, and rationales. **Fragopoulou A, Grigoriev Y, Johansson O, Margaritis LH, Morgan L, Richter E, Sage C**. Rev Environ Health. 2010 Oct-Dec;25(4):307-17.

2011

144. Thymidylate synthase inhibition induces p53-dependent and p53-independent apoptotic responses in human urinary bladder cancer cells. **Stravopodis DJ, Karkoulis PK, Konstantakou EG, Melachroinou S, Thanasopoulou A, Aravantinos G, Margaritis LH, Anastasiadou E, Voutsinas GE**. J Cancer Res Clin Oncol. 2011 Feb;137(2):359-74.
145. Short term memory in mice is affected by mobile phone radiation. **Ntzouni MP, Stamatakis A, Stylianopoulou F. and L.H. Margaritis**. Pathophysiology, 18(3):193-9, 2011.
146. Antagonists of retinoic acid and BMP4 affect fetal mouse osteogenesis and odontoblast differentiation. **Koussoulakou DS, Margaritis LH, Koussoulakos SL**. Pathophysiology. 2011 Apr;18(2):103-9.
147. Proteasome inhibition induces developmentally deregulated programs of apoptotic and autophagic cell death during Drosophila melanogaster oogenesis. **Velentzas PD, Velentzas AD, Mpakou VE, Papassideri IS, Stravopodis DJ, Margaritis LH**. Cell Biol Int. 2011;35(1):15-27.
148. Programmed cell death of the ovarian nurse cells during oogenesis of the ladybird beetle *Adalia bipunctata* (Coleoptera: Coccinellidae). **Mpakou VE, Velentzas AD, Velentzas PD, Margaritis LH, Stravopodis DJ, Papassideri IS**. Dev Growth Differ. 2011 Aug;53(6):804-15.

2012-17

149. Brain proteome response following whole body exposure of mice to mobile phone or wireless DECT base radiation. **Fragopoulou AF, Samara A, Antonelou MH, Xanthopoulou A, Papadopoulou A, Vougas K, Koutsogiannopoulou E, Anastasiadou E, Stravopodis DJ, Tsangaris GT, Margaritis LH.** *Electromagn Biol Med.* 2012 Dec;31(4):250-74.
150. Silencing of CCDC6 reduces the expression of 14-3-3 σ in colorectal carcinoma cells. **Thanasopoulou A, Xanthopoulou AG, Anagnostopoulos AK, Konstantakou EG, Margaritis LH, Papassideri IS, Stravopodis DJ, Tsangaris GT, Anastasiadou E.** *Anticancer Res.* 2012 Mar;32(3):907-13.
151. Transient and cumulative memory impairments induced by GSM 1.8 GHz cell phone signal in a mouse model. (2012) **Ntzouni MP, Skouroliakou A, Kostomitsopoulos N, Margaritis LH.** *Electromagnetic Biology and Medicine.*32(1):95-120.
152. Insight Into the biological effects of non-ionizing radiation through the properties of the electromagnetic waves. (2012) **Skouroliakou AS, Sagioglou NE, Fragopoulou AF, Giannarakis IK, Manta AK, Ntzouni MP, Margaritis LH.** *e-Journal of Science & Technology, (3), 7: 41-52.*
153. Detrimental effects of proteasome inhibition activity in *Drosophila melanogaster*: implication of ER stress, autophagy and apoptosis. (2013) **Velentzas PD, Velentzas AD, Mpakou VE, Antonelou MH, Margaritis LH Papassideri IS, Stravopodis DJ.** *Cell Biology and Toxicology,* 29(1):13-37.
154. *Drosophila* as a bio-marker responding to EMF sources (2014) **Margaritis, L. H., Manta, A. K., Kokkaliaris, C. D., et al. .** *Electromagn. Biol. Med.* 33(3), 165-189.
155. Reactive oxygen species elevation and recovery in *Drosophila* bodies and ovaries following short term and long term exposure to DECT base EMF (2014) **Manta, A. K., Stravopodis, D. J., Papassideri, I. S., Margaritis, L. H** *Electromagn. Biol. Med.* 33(2), 118-131
156. Proteomic analysis of normal murine brain parts (2013) **Taraslia VK, Kouskoukis A, Anagnostopoulos AK, Stravopodis DJ, Margaritis LH, Tsangaris GT.***Cancer Genomics Proteomics.* May-Jun;10(3):125-54.
157. Apoptotic cell death during *Drosophila* oogenesis is differentially increased by electromagnetic radiation depending on modulation, intensity and duration of exposure (2016) **Niki E. Sagioglou, Areti K. Manta, Ioannis K. Giannarakis, Aikaterini S. Skouroliakou, Lukas H. Margaritis,** *Electromagnetic Biology and Medicine :* 35(1):40-53
158. Response of *Caenorhabditis elegans* to wireless devices radiation exposure. **Fasseas MK, Fragopoulou AF, Manta AK, Skouroliakou A, Vekrellis K, Margaritis LH and Syntichaki P.** *Int J Rad Biol,* 2014 Dec 9:1-34
159. The effect of the non-ionizing radiation on cultivated plants of *Arabidopsis thaliana*. **Stefi AL, Margaritis HL, Christodoulakis NS.** 2016. (Col.). *Flora* **223,** 114-120
160. Immune responses of a wall lizard to whole-body exposure to radiofrequency electromagnetic radiation. (2016). **Mina D, Sagonas K#, Fragopoulou AF#, Pafilis P, Skouroliakou A, Margaritis LH, Tsitsilonis OE, Valakos ED.** *Int J Rad Biol,* 92(3):162-8.
161. Effects of pre- and post-natal exposure to 1880-1900 MHz DECT base radiation on rat development. (2016).**Stasinopoulou M*, Fragopoulou**

AF*#, Stamatakis A, Mantziaras G, Skouroliakou K, Papassideri IS, Stylianopoulou F, Lai H, Kostomitsopoulos N and LH Margaritis.

Reproductive Toxicology, 65:248-262 Aug

- 162.** *Mobile-phone radiation-induced perturbation of gene-expression profiling, redox equilibrium and sporadic-apoptosis control in the ovary of Drosophila melanogaster* (2016) **Manta AK, Papadopoulou D, Polyzos AP, Fragopoulou AF, Skouroliakou AS, Thanos D, Stravopodis DJ, Margaritis LH.** Fly (Austin). Dec 14:1-21.
- 163.** The effect of the non ionizing radiation on exposed, laboratory cultivated upland cotton (*Gossypium hirsutum* L.) plants. (2017) **Stefi AL, Margaritis HL, Christodoulakis NS.** *Flora* **226**, 55-64.