



ΕΛΛΗΝΙΚΗ ΔΗΜΟΚΡΑΤΙΑ

Εθνικό και Καποδιστριακό
Πανεπιστήμιο Αθηνών

Τμήμα Βιολογίας

Τομέας Βιολογίας Κυττάρου & Βιοφυσικής

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CURRICULUM VITAE LUKAS H. MARGARITIS



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PLACE OF BIRTH: Nea Erythraia, Athens, Greece.

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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 Research Group, 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 electronenmicroscopie 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: HRAKLEITOS 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: 4th 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.

1976-2019 TEACHING ACTIVITIES: Cell Biology, Electron Microscopy, Topics in Cell Biology, Biophysics/ Radiobiology, Image analysis and processing, Computers in Biology.

Electromagnetic Radiation: Effects on Health and Applications – Biomedical Imaging (MSc Program APPLICATIONS OF BIOLOGY INTO MEDICINE)

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 accurate 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.

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 .

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.

Our recent results have been published in peer review journals (see publication list below or in [Google Scholar](#))

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 base stations (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 Greek law) should be decided by the government and on that direction we present interviews in the media (TV and Radio) and well documented advice whenever needed.

AUTHORSHIP

MONOGRAPHS

I) ACADEMIC HANDBOOKS

- 1) **Radiobiology, Radiation and Life**, Επτάλοφος, Αθήνα, 1987
- 2) **Cell Biology**, Εκδόσεις Λίτσα, Αθήνα, Α έκδοση, 1982, Β' έκδοση 1986, Γ' έκδοση 1992, Δ' έκδοση 2004 (συγγραφείς: **Μαργαρίτης Λ.Χ., Γαλανόπουλος Β., Κεραμάρης Κ., Μαρίνος Ε., Παπασιδέρη Ι., Τρουγκάκος Ι.Π., Στραβοπόδης Δ.** σελίδες 996),

II) RESEARCH CHAPTERS IN BOOKS

- 3) **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.
- 4) **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.
- 5) **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.
- 6) **Panagopoulos DJ and Margaritis LH (2008)**. Mobile telephony radiation effects on living organisms. In, *Mobile telephones*, chapter 3. Harper AC and Buress RV. Nova Publishers. ([pdf file](#))
- 7) **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](#))
- 8) **Fragopoulou AF and Margaritis LH. (2012)**. *BioInitiative Report* Review article in **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

Greek patent on the protection case from mobile phone radiation

Nr. Gr 20070100259/1005919 (2005, extension 2007-today)

PUBLICATIONS 1972-2019

1972 - 1980

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. Μελέτη προγραμματισμένης γονιδιακής έκφρασης κατά την Κυτταρική Διαφοροποίηση. Η ωογένεση στο Δίπτερο *Drosophila melanogaster*.
Διδακτορική Διατριβή. Φυσικομαθηματική Σχολή, Πανεπιστημίου Αθηνών, 1974
3. 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
4. Studies on resolution and rotary shadowing for freeze-etching.
Margaritis L.H. and Branton D.
J Cell Biol 67:259a, 1975
5. 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
6. 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
7. 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
8. 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
9. 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
10. Rotary replication for freeze-etching.
Margaritis L.H., Elgsaeter A. and Branton D.
Cell Biol 72:47-56, 1977
11. 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
12. 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
13. Response of the cornea to far ultraviolet light: An ultrastructural study.
Koliopoulos J.X. and Margaritis L.H.

- Ann Ophthalmol 11:765-769, 1979
14. Morphological characterization of the proteins of the erythrocyte membrane by combining freeze-fracturing and recombination. **Margaritis L.H. and Papasideri I.** Min Medica Greca 7:47-56, 1979
 15. Alterations of the red cell membrane glycoproteins in patients with diabetic retinopathy. **Papasideri I., Margaritis L.H. and Koliopoulos J.X.** Min Medica Greca 7:315-317, 1979
 16. 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
 17. 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
 18. 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

1981 - 1990

19. Η χοριογένεση στη *Drosophila melanogaster*: Ένα πρότυπο. σύστημα για τη μελέτη της κυτταρικής διαφοροποίησης. **Διατριβή επί Υψηγεία.** Τμήμα Βιολογίας, Πανεπιστημίου αθηνών, Αθήνα 1982
20. 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
21. 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
22. 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
23. 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
24. Microtubules during formation of the micropylar canal in *Drosophila melanogaster*. **Margaritis L.H.** Cell Biol Int Rep 8:317-321, 1984
25. 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
26. 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
27. 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
28. 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)
29. 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)

30. 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)
31. 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)
32. 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)
33. 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)
34. 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)
35. 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)
36. 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)
37. 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)
38. Biochemical and structural studies of sex-linked chorion mutants. **Komitopoulou K., Margaritis L.H. and Kafatos F.C.** Devel. Genetics 9, 37-48 (1988)

1991 - 2000

39. 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)
40. Choriogenesis in the Medfly *Ceratitis capitata* (Wiedermann) (Diptera : Tephritidae). **Mouzaki D. and Margaritis L.H.** Int. J. Insect Morphol. Embryol. 20, 51-68 (1991)
41. 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)
42. 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)
43. 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)
44. 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)
45. 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)
46. 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)
47. The eggshell of the cherry fly *Rhagoletis cerasi*. **Mouzaki D. and Margaritis**

- L.H.** Tissue and Cell 23(5), 745-754 (1991)
48. 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)
 49. Fine structure of the chorion of *Manduca sexta* and *Sesamia nonagrioides* 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
 50. Tissue localisation of 125 I 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
 51. 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
 52. 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)
 53. 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
 54. 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
 55. 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
 56. Early detection of Amphotericin B induced nephrotoxicity by 99mTc-DTPA: a useful model. **Sawas-Dimopoulou C., Papathanasiou P. and Margaritis L.H.** Nuclear Med. Biol. 22:297-301, 1995
 57. 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
 58. 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
 59. 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
 60. 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
 61. 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
 62. 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
 63. 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 Resersearch 150: 488-491, 1998

64. 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
65. 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
66. 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
67. Mass determination of the unit cell of the innermost chorionic layer in Drosophiidae by scanning transmission electron microscopy. **Papassideri IS, Leonard KR, Mills D, Margaritis LH.** J Struct Biol 127:258-262, 1999
68. 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
69. Origin of renewed spinal ganglia during tail regeneration in urodeles. **Koussoulakos S, Margaritis LH. Anton H** Dev Neurosci 21:134-139, 1999
70. 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)
71. 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
72. 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

73. 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
74. 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
75. Histochemical and molecular evidence of peroxidase activity in *Segestidea novaeguineae* (Brancsik) (Orthoptera) and *Stichotrema dallatobrrreanum* Hofeneder (Strepsiptera). **Douroupi, T., Konstandi, O., Kathrithamby, J. and L.H. Margaritis.** Tijdschrift voor Entomologie 144:197-202, 2001
76. 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
77. 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. Gyparakis, A. Loutradi, L. H. Margaritis.** Eur. J. Haematology 68:247-52, 2002
78. 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
79. Mechanism for action of electromagnetic fields on cells. **Panagopoulos DJ, Karabarbounis A, Margaritis LH.** Biochem Biophys Res Commun 298:95-

- 102, 2002
80. 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., Grispuou E., Margaritis LH, Koussoulakos S.** *Teratog Carcinog Mutagen* 22:473-483, 2002
 81. 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
 82. 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
 83. 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
 84. 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
 85. 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
 86. 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
 87. 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
 88. 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
 89. 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
 90. 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
 91. 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
 92. 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
 93. 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
 94. 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
95. 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
96. Follicular atresia during *Dacus oleae* oogenesis. **Nezis IP, Stravopodis DJ, Margaritis LH, Papassideri IS.** J Insect Physiol 52:282-290, 2005.

2006

97. 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
98. 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
99. 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
100. 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
101. 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.
102. 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
103. 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

104. 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
105. 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
106. 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
107. 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
108. 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

109. 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
110. 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
111. 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, Papaspiroiu I, Makris N, Makrigiannakis A, Antsaklis A.** Ann N Y Acad Sci Dec 1092:466-479, 2006
112. 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
113. 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
114. 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
115. 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
116. 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

117. 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
118. 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
119. 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
120. 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, Zapheiroopoulos AZ, Voutsinas G, Margaritis LH, Papassideri IS.** Exp Mol Pathol 84:245-250, 2008
121. 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
122. 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
123. 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

124. 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
125. 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
126. 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
127. A curriculum vitae of teeth: Evolution, Generation, Regeneration. **Koussoulakou DS., Margaritis LH, Koussoulakos SL.** *Int. J. Biol. Sci.* 5:226-243, 2009
128. 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.
129. 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.* Aug;35(2):401-16, 2009.
130. Increased protein carbonylation of red blood cell membrane in diabetic retinopathy. **Margetis PI, Antonelou MH, Petropoulos IK, Margaritis LH, Papassideri IS.** *Exp Mol Pathol.* Aug;87(1):76-82, 2009.
131. 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.* Sep 10;10:82, 2009.
132. 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.* Oct;29(10):3977-82, 2009.

2010

133. 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.* May;86(5):345-57, 2010. Erratum in: *Int J Radiat Biol.* Jul;86(7):612, 2010.
134. 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.* 50(2), 376-89, 2010.
135. 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. Jan;63(1):46-53, 2010.
136. 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., 700,51-61, 2010. [pdf file for download](#)
137. 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. Sep 9;10:481, 2010
138. 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. May 19;30(20):6838-51, 2010.
139. The effect of exposure duration on the biological activity of mobile telephony radiation. **Panagopoulos DJ, Margaritis LH.** Mutation Research-Genetic Toxicology and Environmental Mutagenesis. 699(1-2): 17-22, 2010.
140. The identification of an intensity 'window' on the bioeffects of mobile telephony radiation. **Panagopoulos DJ, Margaritis LH.** International Journal of Radiation Biology. 86(5): 358-366, 2010.
141. 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. May;86(5):345-57, 2010.
142. Cranial and postcranial skeletal variations induced in mouse embryos by mobile phone radiation. **Fragopoulou AF, Koussoulakos SL, Margaritis LH.** Pathophysiology., 17(3), 169-177, 2010. [pdf file for download](#)
143. Whole body exposure with GSM 900MHz affects spatial memory in mice. **Fragopoulou AF, Miltiadous P, Stamatakis A, Stylianopoulou F, Koussoulakos SL, Margaritis LH.** Pathophysiology. 17(3), 179-187, 2010., [pdf file for download](#), [pdf file with videos](#)
144. 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)
145. 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. Oct-Dec;25(4):307-17, 2010

2011 - 2015

146. 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. Feb;137(2):359-74, 2011.
147. 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.
148. Antagonists of retinoic acid and BMP4 affect fetal mouse osteogenesis and odontoblast differentiation. **Koussoulakou DS, Margaritis LH, Koussoulakos SL.** Pathophysiology. Apr;18(2):103-9, 2011.
149. 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.*;35(1):15-27, 2011.
150. 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.* Aug;53(6):804-15, 2011.
151. 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.* Dec;31(4):250-74, 2012.
152. 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.* Mar;32(3):907-13, 2012.
153. Transient and cumulative memory impairments induced by GSM 1.8 GHz cell phone signal in a mouse model. **Ntzouni MP, Skouroliakou A, Kostomitsopoulos N, Margaritis LH.** *Electromagnetic Biology and Medicine.*32(1):95-120, 2012.
154. Insight Into the biological effects of non-ionizing radiation through the properties of the electromagnetic waves. **Skouroliakou AS, Sagioglou NE, Fragopoulou AF, Giannarakis IK, Manta AK, Ntzouni MP, Margaritis LH.** *e-Journal of Science & Technology, (3), 7: 41-52, 2012.*
155. Detrimental effects of proteasome inhibition activity in *Drosophila melanogaster*: implication of ER stress, autophagy and apoptosis. **Velentzas PD, Velentzas AD, Mpakou VE, Antonelou MH, Margaritis LH Papassideri IS, Stravopodis DJ.** *Cell Biology and Toxicology,* 29(1):13-37, 2013.
156. Proteomic analysis of normal murine brain parts. **Taraslia VK, Kouskoukis A, Anagnostopoulos AK, Stravopodis DJ, Margaritis LH, Tsangaris GT.** *Cancer Genomics Proteomics.* May-Jun;10(3):125-54, 2013.
157. *Drosophila* as a bio-marker responding to EMF sources. **Margaritis, L. H., Manta, A. K., Kokkaliaris, C. D., et al .** *Electromagn. Biol. Med.* 33(3), 165-189, 2014.
158. Reactive oxygen species elevation and recovery in *Drosophila* bodies and ovaries following short term and long term exposure to DECT base EMF **Manta, A. K., Stravopodis, D. J., Papassideri, I. S., Margaritis, L. H** *Electromagn. Biol. Med.* 33(2), 118-131, 2014
159. 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,* Mar. 91(3) 286-93, 2015

2016 –

160. Apoptotic cell death during *Drosophila* oogenesis is differentially increased by electromagnetic radiation depending on modulation, intensity and duration of exposure . **Niki E. Sagioglou, Areti K. Manta, Ioannis K. Giannarakis, Aikaterini S. Skouroliakou, Lukas H. Margaritis,** *Electromagnetic Biology and Medicine :* 35(1):40-53, 2016
161. The effect of the non-ionizing radiation on cultivated plants of *Arabidopsis thaliana*. **Stefi AL, Margaritis HL, Christodoulakis NS.** (Col.). *Flora* volume 223, 114-120, 2016.
162. Immune responses of a wall lizard to whole-body exposure to radiofrequency electromagnetic radiation. **Mina D, Sagonas K#, Fragopoulou AF#, Pafilis P, Skouroliakou A, Margaritis LH, Tsitsilonis OE, Valakos ED.** *Int J Rad Biol,*

- 92(3):162-8, 2016.
163. Effects of pre- and post-natal exposure to 1880-1900 MHz DECT base radiation on rat development. **Stasinopoulou M, Fragopoulou AF, Stamatakis A, Mantziaras G, Skouroliakou K, Papassideri IS, Stylianopoulou F, Lai H, Kostomitsopoulos N and LH Margaritis.** Reproductive Toxicology, Aug 65:248-262, 2016
 164. Mobile-phone radiation-induced perturbation of gene-expression profiling, redox equilibrium and sporadic-apoptosis control in the ovary of *Drosophila melanogaster* **Manta AK, Papadopoulou D, Polyzos AP, Fragopoulou AF, Skouroliakou AS, Thanos D, Stravopodis DJ, Margaritis LH.** Fly (Austin). Dec 14:1-21, 2016.
 165. The effect of the non ionizing radiation on exposed, laboratory cultivated upland cotton (*Gossypium hirsutum* L.) plants. **Stefi AL, Margaritis HL, Christodoulakis NS.** *Flora* **226**, 55-64, 2017.
 166. The aftermath of long-term exposure to non-ionizing radiation on laboratory cultivated pine plants (*Pinus halepensis* M.) **Stefi,AL LH Margaritis, NS Christodoulakis** *Flora* 234, September,173-186, 2017
 167. The effect of the non-ionizing radiation on exposed, laboratory cultivated maize (*Zea mays* L.) plants. **Stefi,AL LH Margaritis, NS Christodoulakis** *Flora*, Volume 233, Pages 22-30, August 2017,
 168. Applying Broadband Dielectric Spectroscopy (BDS) for the Biophysical Characterization of Mammalian Tissues under a Variety of Cellular Stresses. **Souli MP, Klonos P, Fragopoulou AF, Mavragani IV, Pateras IS, Kostomitsopoulos N, Margaritis LH, Zoumpoulis P, Kaklamanis L, Kletsas D, Gorgoulis VG, Kyritsis A, Pissis P, Georgakilas AG.** *Int J Mol Sci.* Apr 15;18(4). pii: E838. doi: 10.3390/ijms18040838, 2017
 169. Hippocampal lipidome and transcriptome profile alterations triggered by acute exposure of mice to GSM 1800 MHz mobile phone radiation: An exploratory study. **Fragopoulou AF, A Polyzos, M-D Papadopoulou, A Sansone, AK. Manta, E Balafas, N Kostomitsopoulos, AS Skouroliakou, Chr Chatgililoglu, Al Georgakilas, DJ. Stravopodis, C Ferreri, D Thanos, LH. Margaritis.** *Brain Behav.* Jun; 8(6): e01001 2018
 170. Mobile phone electromagnetic radiation affects Amyloid Precursor Protein and α -synuclein metabolism in SH-SY5Y cells. **Stefi AL, Margaritis LH, Skouroliakou AS, Vassilacopoulou D.** 2019. *Pathophysiology.* 2019 Mar 1. pii: S0928-4680(18)30352-3. doi: 10.1016/j