

[BYRON ASIMAKOPOULOS

Biologist, PhD

Professor of Physiology,

Director of

- **Laboratory of Physiology,**
- **Laboratory of Reproductive Physiology-IVF,**

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Marital status: Married; two children

EDUCATION

1992	PHD	Aristoteleion University of Thessaloniki, Thessaloniki, Greece, Department of Biology
1985	BSc	Aristoteleion University of Thessaloniki, Thessaloniki, Greece, Department of Biology

FURTHER TRAINING

19-25/11/2023 & 01-30/12/2019: Simulation Medical Training Center, Medical University of Plovdiv: acquaintance with scientific equipment of the Simulation Center and attendance of training sessions for students.

07-17/03/2016: Justus-Liebig University Giessen, Clinic for Obstetrics, Gynecology and Andrology of Large and Small Animals, Giessen, Germany: oocyte retrieval from cow ovaries, in-vitro maturation of cumulus-oocyte complexes, piezo-ICSI.

01/10/2013-06/01/2014: Department of Biology, Aristoteleian University of Thessaloniki: techniques of Molecular Biology and Bioinformatics.

20/6-01/07/2012: Scientific visit in Klinikum Kempten, Akademisches Lehrkrankenhaus der Universität Ulm, within the framework of the Greece – Germany Transnational Exchanges Program: assisted reproduction techniques, mostly methods of slow freezing.

2002-2009: Consecutive visits in the Medical University of Lübeck (319 days in total): namely, in the Laboratory of Experimental Endocrinology and the Assisted Reproduction Unit, Klinik für Frauenheilkunde und Geburtshilfe, Universitätsklinikum Schleswig-Holstein, Campus Lübeck (Director: Prof. Dr. K. Diedrich) as well as in the Institute of Physiology (Director: Prof.Dr.med. W. Jelkmann). Trained in cell cultures, Tunnel & Comet assays, RNA and DNA isolation, reverse transcription, PCR and real-time PCR, assisted reproduction techniques, cryopreservation of embryos and sperm, basic semen analysis, culture of human embryos.

1-3/10/2009: ESHRE Campus: “Reproductive andrology: linking laboratory to clinical practice”, Thessaloniki, Greece.

25-26/9/2009: ESHRE Campus: “Cryobiology and cryopreservation of human gametes and embryos”, Athens, Greece.

28/06-01/07/2009: ESHRE course “Embryology/Early pregnancy”, Amsterdam, Netherlands.

21-22/05/2009: ESHRE Campus: Sperm DNA: Organization, protection and vulnerability from basic science to clinical application, Karolinska Institute, Stockholm, Sweden.

16-18/06/2008: ESHRE– Andrology Special Interest Group: Advanced Andrology Laboratory Course on Human Sperm Morphology Assessment, Karolinska University Hospital, Stockholm, Sweden.

1-2/06/2007: Boehringer Ingelheim Hellas & Hygiene Laboratory, Democritus University of Thrace, Alexandroupolis, Greece: Seminar in Biostatistics and Epidimiology.

02-06/07/2004: ESHRE – Andrology Special Interest Group: Basic Semen Analysis Course. Thessaloniki, Greece

18-20/1/2002: ESHRE Campus Workshop “GnRH-antagonists: from basic science to clinical application”, Lübeck, Germany.

23-24/3/2001: “Basic knowledge on the metabolic bone diseases” (duration: 30 hours), Hellenic Institute of Osteoporosis, Thessaloniki, Greece.

1-3/2/2001: “Hyperlipidemias & Atherosclerosis in the 21st century”, training seminar, 1st Clinic of Internal Medicine, Aristoteleian University of Thessaloniki, Thessaloniki, Greece.

ACADEMIC EXPERIENCE

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| 2018 – to present | Democritus University of Thrace , School of Medicine;
Professor of Physiology. |
| 2013 – 2018 | Democritus University of Thrace , School of Medicine;
Associate Professor of Physiology |
| 2006 – 2013 | Democritus University of Thrace , School of Medicine;
Assistant Professor of Physiology |
| 2001 – 2006 | Democritus University of Thrace , School of Medicine;
Lecturer of Physiology |
| 1995 – 2001 | Democritus University of Thrace , School of Medicine;
Fellow–researcher in the Lab. of Physiology. |

RESEARCH

1985 – 1995

Biology of Reproduction and Biology of Development of amphibian species. Part of the relevant research was carried out at the Institute of Zoology, University of Bonn, in collaboration with its Director Prof. Dr. Hans Schneider.

1995 - 2000

- Regenerative mechanisms in rabbit sciatic nerve.
- Effects of muscle relaxants on from gastrocnemius
- Effects of growth factors on skeletal muscles and cardiac muscle of rats

2000-2019

- The expression and function of GnRH system in peripheral tissues.

- The effects of adipokines on female reproductive functions.
- The role of cytokines in follicular development and implantation.
- The condensation of nuclear sperm chromatin.

At present

- The investigation of sperm parameters in relation to sperm fertilization capacity, emphasizing on sperm nuclear DNA fragmentation and redox potential, in an attempt to determine physiological values.
- The investigation of free nucleic acids in embryo culture media in relation to embryo quality and implantation potential.
- The effects of growth factors on in-vitro motility and vitality of human spermatozoa

Collaborations with several Clinics in the University Hospital of Alexandroupolis and a long collaboration with the Nephrology Unit of Hospital of Xanthi, involved in measurements of cytokines, hormones and adhesion molecules in samples of various biological fluids.

TEACHING ACTIVITIES

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| 2020 – to present | Lectures in the Master Degree Program “Human Reproduction”, School of Medicine, Aristoteleion University of Thessaloniki. |
| 2019 – to present | Lectures in the Master Degree Program “Biology of Reproduction”, Faculty of Medicine, University of Thessaly. |
| 2001 – to present | “Physiology I”, “Physiology II”, “Physiology III” (lectures and practical sessions), Faculty of Medicine, Democritus University of Thrace. |
| 2-6/11/2015 | Physiology of Endocrine system (lectures), Medical University of Plovdiv, in the framework of ERASMUS+. |
| 2014- to present | Lectures and practical sessions on various topics related to the Physiology of Reproductive system and Embryology, Master Degree Program “Human Reproduction”, Faculty of Medicine, Democritus University of Thrace. |

- 2014 – to present Lecture and practical session “Laboratory techniques of Assisted Reproduction”, Master Degree Program “Biomedical and Molecular Sciences”, Faculty of Medicine, Democritus University of Thrace & Department of Medical Laboratories Technicians, Alexandrian Technological Institute of Thessaloniki.
- 2009 – to present Lecture “Hypothalamus – Pituitary – Gonadal Axis”, Master Degree Program “Molecular and Applied Physiology”, Medical School, National and Kapodestrian University of Athens.
- 2017 – to present “Exercise Physiology”, Faculty of Medicine, Democritus University of Thrace.
- 2004 – 2009 Trainer in Basic Semen Analysis Seminars organized by the European Society of Human Reproduction and Embryology.
- 2001-2005 “Physiology I” and “Physiology II” (lectures and practical sessions), Department of Molecular Biology & Genetics, Democritus University of Thrace.
- 2005 Lecture “The use of ELISA”, Master Degree Program “Liver – Bile Ducts – Pancreas Surgery”, Faculty of Medicine, Democritus University of Thrace.
- 2001 – 2003 “Neurophysiology” (lectures), Pedagogic Academy, Democritus University of Thrace.
- 1995 – 2001 Lectures and practical sessions on “Physiology I” and “Physiology II”, Faculty of Medicine, Democritus University of Thrace.
- 1985 – 1989 Participation on the practical sessions of “Systematic Zoology”, Department of Biology, Aristoteleian University of Thessaloniki.
- 1987 – 1989 Teacher in the 1st and 2nd Technical Lyceum of Katerini, Greece, where I taught “Immunology”, “Biochemistry”, “Microbiology”, “Parasitology”, “Practical Sessions on Microbiology”, “Practical Sessions on Hematology” etc.

SCIENTIFIC PUBLICATIONS (included in SCOPUS)

1. Binas G., Athanasiou V., Athanasiou A., Isihou I., Asimakopoulos L-O., Asimakopoulos B. (2024) Determinant factors for ongoing pregnancy in homologous intrauterine insemination cycles – A prospective study. *In Vivo* 38(3): 1384-1389.
2. Konstantogianni O., Panou T., Zikopoulos A., Skentou Ch., Stavros S., Asimakopoulos B. (2024) Culture of human embryos at high and low oxygen levels. *Journal of Clinical Medicine* 13(8): 2222.
3. Nikolettos K., Vlachos N., Pagonopoulou O., Nikolettos N., Zikopoulos K., Tsikouras P., Kontomanolis E., Damaskos Ch., Garmpis N., Asimakopoulos B. (2023) Is there an association between circulating kisspeptin levels and ovarian reserve in women of reproductive age? *In Vivo* 37(5): 2219-2223.
4. Nikolettos K., Nikolettos N., Vlachos N., Pagonopoulou O., Asimakopoulos B. (2023) Role of leptin, adiponectin and kisspeptin in polycystic ovarian syndrome pathogenesis. *Minerva Obstetrics and Gynecology* 75(5): 460-467.
5. Sapanidou V., Tsantarliotou M., Lavrentiadou S., Tzekaki E., Efraimidis I., Lialiaris T., Asimakopoulos B. (2023) The beneficial effects of pterostilbene on post-thawed bovine spermatozoa. *Animals* 13(17): art. No 2713
6. Nikolettos K., Vlachos N., Pagonopoulou O., Nikolettos N., Zikopoulos K., Tsikouras P., Kontomanolis E., Damaskos C., Garmpis N., Asimakopoulos B. (2023) Is there an association between circulating kisspeptin levels and ovarian reserve in women of reproductive age? *In Vivo* 37(5): 2219-2223.
7. Vasdeki D., Tsamos G., Koufakis T., Goulis D.G., Asimakopoulos B., Michou V., Patriarcheas V., Kotsa K. (2023) “You are my sunshine, my only sunshine”: maternal vitamin D status and supplementation in pregnancy and their effect on neonatal and childhood outcomes. *Hormones* 22(4): 547-562.
8. Sialakouma A., Karakasiliotis I., Ntala V., Nikolettos N., Asimakopoulos B. (2021) Embryonic cell-free DNA in spent culture medium: A non-invasive tool for aneuploidy screening of the corresponding embryos. *In-Vivo* 35(6): 3449-3457.

9. Asimakopoulos B., Tiptiri-Kourpeti A., Metallinou C. (2021) Erythropoietin increases in vitro motility and vitality of human spermatozoa. *In-Vivo* 35(5): 2669-2673.
10. Sfakianoudis K., Maziotis E., Karantzali E., Kokkini G., Grigoriadis S., Pantou A., Giannelou P., Petroutsou K., Markomichali C., Fakiridou M., Koutsilieris M., Asimakopoulos B., Pantos K., Simopoulou M. (2021) Molecular drivers of developmental arrest in the human preimplantation embryo: A systematic review and critical analysis leading to mapping future research. *Int. J. Mol. Sci.* 22: 8353.
11. Asimakopoulos B., Tiptiri-Kourpeti A., Metallinou C. (2021) IGF-I and NGF β enhance in vitro progressive motility and vitality of human spermatozoa. *Reprod. Med. Biol.* 20(3): 361-367.
12. Maziotis E., Sfakianoudis K., Gianellou P., Grigoriadis S., Rapani A., Tsioulou P., Nikolettos K., pantou A., Tiptiri-Kourpeti A., Koutsilieris M., Asimakopoulos B., Nikolettos N., Pantos K., Simopoulou M. (2020) Evaluating the value of day 0 of an ICSI cycle on indicating laboratory outcome. *Sci. Rep.*, 10, 19325.
13. Korakaki D., Mouroutsos S., Troipsianis G., Nikolettos N., Asimakopoulos B. (2020) Temperature decline in embryological culture dishes outside incubator. *Int. J. Fertil. Steril.*, 14(1): 63-67.
14. Tsakos E., Tsagias N., Stergioula A., Asimakopoulos B. (2020) The COVID-19 pandemic triggers changes on the field of cross-border reproductive care. *Clin. Res. Obstetrics Gynecol.*, 3(2): 1-3
15. Kalinderi K., Asimakopoulos B., Nikolettos N., Manolopoulos V.G. (2018) Pharmacogenomics in IVF: a New Era in the Concept of Personalized Medicine. *Reprod. Sc.* DOI: 10.1177/1933719118765970
16. Gerovassili A., Marcadona O., Asimakopoulos B., Karavasilis V., Panopoulou M., Ikonmidis A. (2017) Relationship between Chlamydia-ureaplasma-mycoplasma genital detection with semen concentration and motility among Greek men. *Int. J. Fertil. Steril.*, 11(2): 130-133.
17. Kasapi E., Asimakopoulos B., Chatzimeletiou K., Petousis S., Panagiotidis Y., Prapas N., Nikolettos N. (2017). Vitrification of human germinal vesicle oocytes: Before or after in vitro maturation? *Int. J. Fertil. Steril.*, 11(2): 85-92.

18. Kotanidis L., Nikolettos N., Petousis S., Asimakopoulos B., Chatzimitrou E., Kolios G., Nikolettos N. (2016). The use of serum anti-Müllerian hormone (AMH) levels and antral follicle count (AFC) to predict the number of oocytes collected and availability of embryos for cryopreservation in IVF. *J. Endocrinol. Inv.*, 39(12): 1459-1464.
19. Evgeni E., Lymberopoulos G., Touloupidis S., Asimakopoulos B. (2015). Sperm nuclear DNA fragmentation and its association with semen quality in Greek men. *Andrologia*, 47(10): 1166-1174.
20. Evgeni E., Lymberopoulos G., Gazouli M., Asimakopoulos B. (2015). Conventional semen parameters and DNA fragmentation in relation to fertility status in a Greek population. *Eur. J. Obstet. Gynecol. Reprod. Biol.*, 188: 17-23.
21. Katergari S.A., Passadakis P., Milousis A., Passadaki T., Asimakopoulos B., Mantatzis M., Prassopoulos P., Tripsianis G., Nikolettos N., Papachristou D.N. (2015). Subcutaneous and total fat at L4-L5 and subcutaneous, visceral and total fat at L3-L4 are important contributors of fasting and postprandial adiponectin levels. *Endocrine Res.*, 40(3): 127-132.
22. Ntala V., Asimakopoulos B., Veletza S., Alexandris E., Karachaliou V., Nikolettos N. (2015). Follicular fluid levels of vascular endothelial growth factor and its receptors and pregnancy outcome of women participating in intracytoplasmic sperm injection cycles. *Clin. Exp. Obstet. Gynecol.*, 42(4): 437-441.
23. Evgeni E., Charalabopoulos K., Asimakopoulos B. (2014). Human sperm DNA fragmentation and its correlation with conventional semen parameters. *J. Reprod. Infert.*, 15(1): 2-14.
24. Tsakos E., Tolikas A., Daniilidis A., Asimakopoulos B. (2014). Predictive value of anti-müllerian hormone, follicle-stimulating hormone and antral follicle count on the outcome of ovarian stimulation in women following GnRH-antagonist protocol for IVF/ET. *Arch. Gynecol. Obstet.*, 290(6): 1249-1253.
25. Simopoulou M., Asimakopoulos B., Bakas P., Boyadjiev N., Tzanakaki D., Creatsas G. (2014). Oocyte and embryo vitrification in the IVF laboratory: a comprehensive review. *Folia Medica*, 56(3): 161-169.

26. Kotanidis L., Asimakopoulos B., Nikolettos N. (2013). Association between AMH, oocyte number and availability of embryos for cryopreservation in IVF. *In Vivo*, 27(6): 877-880.
27. Asimakopoulos B., K pker W., Felberbaum R. (2013). Neue Regulatoren der Hypothalamus – Hypophysen – Ovar – Achse. *Gyn kologische Endokrinologie*, 11: 144-148.
28. Asimakopoulos B., Kotanidis L., Nikolettos N. (2013). Binovular complexes after ovarian stimulation. A report of four cases. *Hippokratia*, 17(2): 169-170.
29. Katargari S.A., Milousis A., Passadaki T., Mantatzis M., Tripsianis G., Asimakopoulos B., Nikolettos N., Papachristou D.N. (2013). Postprandial free fatty acids are related to total visceral and retroperitoneal fat in diabetic men. *Acta Endocrinol (BUC)*, 9(2): 201-218.
30. Passadaki T., Asimakopoulos B., Zeginiadou T., Nikolettos N. (2013). Soluble FAS and FAS ligand levels in seminal plasma: Association with basic parameters of semen analysis. *In Vivo*, 27(2): 285-287.
31. Tsalikidis C., Papachristou F., Pitiakoudis M., Asimakopoulos B., Tripsianis G., Bolanaki E., Syrigos K.N., Simopoulos C. (2013). Soluble E-cadherin as a diagnostic and prognostic marker in gastric carcinoma. *Folia Medica*, 55(3-4): 26-32.
32. Metallinou C., K ster F., Diedrich K., Nikolettos N., Asimakopoulos B. (2012). The effects of cetrorelix and triptorelin on the viability and steroidogenesis of cultured human granulosa luteinized cells. *In Vivo*, 26(5): 835-839.
33. Bouraki G., Metallinou C., Simopoulou M., Charalabopoulos K., Asimakopoulos B. (2012). Comparison of nine media in the culture of human ovarian granulosa lutein cells. *In Vivo*, 26(5): 823-825.
34. Asimakopoulos B. (2012). Hypothalamus-Pituitary-Gonadal Axis: It is time for Revision. *Human Genet. Embryol.*, 2: 1-3.
35. Panagopoulou M., Nikolettos N., Dala V., Tsakos E., Charalabopoulos K., Asimakopoulos B. (2013). A Comparison between Two Vitrification Devices: Plastic Blabe and McGill Cryoleaf. *Human Genet. Embryol.*, 3: 1-3.

36. Panagopoulou M., Charabopoulos K., Papachristou D.N., Tsakos E., Asimakopoulos B. (2013). Evaluation of a new vitrification protocol for oocyte cryopreservation. *Human Genet. Embryo.*, 3: 103.
37. Gianisslis G., Simopoulou M., Vakalopoulos I., Zeginiadou T., Tripsianis G., Ktenidou-Kartali S., Nikolettos N., Asimakopoulos B. (2011). Serum pattern of circulating soluble receptor of leptin throughout the menstrual cycle. *Minerva Ginecol.*, 63(4): 339-342.
38. Asimakopoulos B., Kotanidis L., Nikolettos N. (2011). In vitro maturation and fertilization of vitrified immature human oocytes, subsequent vitrification of produced embryos, and embryo transfer after thawing. *Fertil. Steril.*, 95: 2123.e2.
39. Asimakopoulos B., Demirel C., Felberbaum R., Waczek S., Nikolettos N., Köster F., Al-Hasani S., Diedrich K. (2010). Concentrations of inflammatory cytokines and the outcome in ICSI cycles. *In Vivo*, 24: 495-500.
40. Lialiaris T., Digkas E., Kareli D., Pouliliou S., Asimakopoulos B., Pagonopoulou O., Simopoulou M. (2010). Distribution of ABO and Rh blood groups in Greece: an update. *Int. J. Immunogenet.*, 38(1): 1-5.
41. Asimakopoulos B., Milousis A., Gioka T., Kabouromiti G., Gianisslis G., Troussa A., Simopoulou M., Katergari S., Tripsiannis G., Nikolettos N. (2009). Serum pattern of circulating adipokines throughout the physiological menstrual cycle. *Endocr. J.*, 56: 25-33.
42. Asimakopoulos B., Köster F., Felberbaum R., Tripsiannis G., Caglar G.S., Nikolettos N., Al-Hasani S., Diedrich K. (2009). Intrafollicular and circulating concentrations of leptin do not predict the outcome in IVF-ICSI cycles. *Reprod. Sci.*, 16: 113-119.
43. Katergari S.A., Milousis A., Pagonopoulou O., Asimakopoulos B., Nikolettos N.K. (2008). Ghrelin in pathological conditions. *Endocr. J.*, 55: 439-453.
44. Simopoulos C., Tsaroucha A.K., Asimakopoulos B., Giatromanolaki A., Gavriilidis P., Polychronidis A., Karayiannakis A. (2008). Total and caspase-cleaved cytokeratin-18 in chronic cholecystitis: a prospective study. *BMC Gastroenterology*, 6: 8-14.

45. Asimakopoulos B., Abu-Hassan D., Metzen E., Al-Hasani S., Diedrich K., Nikolettos N. (2008) The levels of steroid hormones and cytokines in individual follicles are not associated with the fertilization outcome after intracytoplasmic sperm injection. *Fertil. Steril.*, 90: 60-64.
46. Tentes I., Asimakopoulos B., Mourvati E., Diedrich K., Al-Hasani S., Nikolettos N. (2007). Matrix metalloproteinases (MMP)-2 and MMP-9 in seminal plasma. *J. Assist. Reprod. Genet.*, 24: 278-281.
47. Nikolettos N., Asimakopoulos B., Köster F., Schöpfer B., Schultz C., Caglar G.S., Efthimiadou A., Pagonopoulou O., Diedrich K., Al-Hasani S. Cytokine profile in cases with premature elevation of progesterone serum concentrations during ovarian stimulation. *Physiol. Res.*, 57: 215-224
48. Metallinou C., Asimakopoulos B., Schröer A., Nikolettos N. (2007). Gonadotropin-releasing hormone in the ovary. *Reprod. Sc.*, 14: 737-749.
49. Caglar G.S., Köster F., Schöpfer B., Asimakopoulos B., Nehls B., Nikolettos N., Diedrich K., Al-Hasani S. (2007). Semen DNA fragmentation index, evaluated with both TUNEL and Comet assay, and the ICSI outcome. *In Vivo*, 21: 1075-1080.
50. Asimakopoulos B., Köster F., Felberbaum R., Al-Hasani S., Diedrich K., Nikolettos N. (2006). Cytokine and hormonal profile in blood serum and follicular fluids during ovarian stimulation with the multidose antagonist or the long agonist protocol. *Hum. Reprod.*, 21: 3091-3095.
51. Asimakopoulos B., Nikolettos N., Nehls B., Diedrich K., Al-Hasani S., Metzen E. (2006). Gonadotropin-releasing hormone antagonists do not influence the secretion of steroid hormones but affect the secretion of vascular endothelial growth factor from human granulosa luteinized cell cultures. *Fertil. Steril.*, 86: 636-641.
52. Pagonopoulou O., Efthimiadou A., Asimakopoulos B., Nikolettos N.K. (2006). Modulatory role of adenosine and its receptors in epilepsy: possible therapeutic approaches. *Neurosc. Res.*, 56: 14-20.
53. Efthimiadou A., Asimakopoulos B., Nikolettos N., Giatromanolaki A., Sivridis E., Lialiaris T.S., Papachristou D.N., Kontoleon E. (2006). The angiogenic effect of

- intramuscular administration of b-FGF and a-FGF on cardiac muscle: The influence of exercise on muscle angiogenesis. *J. Sports Sc.*, 24: 849-854.
54. Asimakopoulos B., Schöpfer B., Dawson A., Caglar G.S., Vakalopoulos I., Al-Hasani S., Diedrich K., Nikolettos N. (2006). IGF-I and epidermal growth factor levels in follicular fluid of women undergoing controlled ovarian hyperstimulation using the multidose GnRH-antagonist protocol or the long GnRH-agonist protocol. *J. Endocrinol. Invest.*, 29: RC5-RC8.
55. Nikolettos N., Asimakopoulos B., Papastefanou I.S. (2006). Intracytoplasmic sperm injection – an assisted reproduction technique that should make us cautious about imprinting deregulation. *J. Soc. Gynecol. Invest.*, 13: 317-328.
56. Efthimiadou A., Asimakopoulos B., Nikolettos N., Giatromanolaki A., Sivridis E., Papachristou D.N., Kontoleon E. (2006). Angiogenic effect of intramuscular administration of basic and acidic fibroblast growth factor on skeletal muscles and influence of exercise on muscle angiogenesis. *Br. J. Sports Med.*, 40: 35-39.
57. Abu-Hassan D., Koester F., Schoepper B., Schultze-Mosgau A., Asimakopoulos B., Diedrich K., Al-Hasani S. (2006). Comet assay of cumulus cells and spermatozoa DNA status, and their relationship to oocyte fertilization and embryo quality following ICSI. *Reprod. BioMed. Online*, 12: 447-452.
58. Asimakopoulos B., Nikolettos N., Papachristou D.N., Simopoulou M., Al-Hasani S., Diedrich K. (2005). Follicular fluid levels of vascular endothelial growth factor and leptin are associated with pregnancy outcome of normal women participating in intracytoplasmic sperm injection cycles. *Physiol. Res.*, 54: 263-270.
59. Caglar G.S., Asimakopoulos B., Nikolettos N., Diedrich K., Al-Hasani S. (2005). Preimplantation genetic diagnosis for aneuploidy screening in repeated implantation failure. *Reprod. Biomedicine Online*, 10: 381-388.
60. Caglar G.S., Hammadeh M., Asimakopoulos B., Nikolettos N., Diedrich K., Al-Hasani S. (2005). In Vivo and in vitro decondensation of human sperm and assisted reproduction technologies. *In Vivo*, 19: 623-630.
61. Caglar G.S., Asimakopoulos B., Nikolettos N., Diedrich K., Al-Hasani S. (2005). Recombinant LH in ovarian stimulation. *Reprod. Biomedicine Online*, 10: 774-785.

62. Karayiannakis A.J., Asimakopoulos B., Efthimiadou A., Tsaroucha A.K., Polychronidis A., Simopoulos C. (2005). Serum leptin levels and their response during laparoscopic and open cholecystectomy. *Eur. Cytokine Netw.*, 16: 91-96.
63. Karydis S., Asimakopoulos B., Papadopoulos N., Vakalopoulos I., Al-Hasani S., Nikolettos N. (2005). ICSI outcome is not associated with the incidence of spermatozoa with abnormal chromatin condensation. *In Vivo*, 19: 921-926.
64. Efthimiadou A., Asimakopoulos B., Nikolettos N., Giatromanolaki A., Sivridis E., Lialiaris Th., Papachristou D.N., Kontoleon E. (2004). The angiogenic effect of intramuscular administration of VEGF on muscle. The influence of exercise on angiogenesis. *In Vivo*, 18: 825-830.
65. Nikolettos N., Asimakopoulos B., Simopoulou M., Efthimiadou A., Tsoulou M., Al-Hasani S., Diedrich K. (2004). Cetrorelix in ICSI cycles of women with one ovary. *Rev. Clin. Pharm. Pharmacok.*, 18: 146-147.
66. Nikolettos N., Asimakopoulos B., Nicolettos N., Efthimiadou A., Mourvati E., Demirel C. (2004). Evaluation of leptin, interleukin-1 β , tumor necrosis factor- α , and vascular endothelial growth factor in serum and follicular fluids of women undergoing controlled ovarian hyperstimulation as prognostic markers of ICSI outcome. *In Vivo*, 18: 667-674.
67. Nikolettos N., Asimakopoulos B., Diedrich K., Al-Hasani S. (2004). Triptorelin versus cetrorelix in intracytoplasmic sperm injection cycles in women with a single ovary. *Eur. J. Obstet. Gyn. Reprod. Biol.*, 112: 185-188.
68. Nikolettos N., Asimakopoulos B., Simopoulou M., Al-Hasani S., Diedrich K. (2004). Gonadotropin releasing hormone antagonists and cryopreservation outcome: a review. *Arch. Gynec. Obstet.*, 270: 69-73.
69. Nikolettos N., Asimakopoulos B., Simopoulou M., Al-Hasani S. (2003). A borderline form of empty follicle syndrome. Case report. *Clin. Exp. Obst. & Gyn.*, 31: 79-80.
70. Al-Hasani S., Asimakopoulos B., Nikolettos N., Diedrich K. (2003). Comparison of the response to ovarian stimulation between women with one ovary and those with two ovaries, in a program of ICSI/ET. *Acta Obstet. Gynecol. Scand.*, 82: 845-849

71. Nikolettos N., Asimakopoulos B., Tentes I., Schöpfer B., Al-Hasani S. (2003). Matrix metalloproteinases 2 and 9 in follicular fluids of patients undergoing controlled ovarian stimulation for ICSI/ET. *In Vivo*, 17: 201-204
72. Asimakopoulos B., Simopoulou M., Al-Hasani S., Nikolettos N. (2003). Women with one ovary in in-vitro fertilisation. *Folia Medica*, 45:25-29
73. Asimakopoulos B., Al-Hasani S., Nikolettos N., Diedrich K. (2003). A comparison of the ovarian response to external stimulation between women with right or left ovary participating in programs of ICSI/ET. *Arch. Gynecol. Obstet.*, 268: 168-171
74. Asimakopoulos B., Nikolettos N., Al-Hasani S. (2003). Prospective randomized study on day of embryo transfer. Letter to the editor. *Hum. Reprod.*, : 892-893
75. Nikolettos N., Asimakopoulos B., Hatzissabas I. (2003). Intrafamilial sperm donation : ethical questions and concerns. *Hum. Reprod.*, 18: 933-936
76. Asimakopoulos B., Nikolettos N., Al-Hasani S. (2003). Is there a place for round and elongated spermatids injection in assisted reproduction? *Iran J. Reprod. Med.*, 1: 1-6.
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40. Ευθυμιάδου Α., Ασημακόπουλος Β., Νικολέττος Ν., Γιατρομανωλάκη Α., Σιβρίδης Ε., Λιαλιάρης Θ., Κοντολέων Ε. (2003). Μελέτη της επίδρασης των αγγειογενετικών παραγόντων a-FGF και b-FGF στο γραμμωτό μυ των επίμυων. 6^ο Πανελλήνιο Συνέδριο Φυσικής Αγωγής και Αθλητισμού, 11-13/4/2003. Θεσσαλονίκη. Book of abstracts: 60.
41. Ευθυμιάδου Α., Ασημακόπουλος Β., Νικολέττος Ν. (2003). Μελέτη της επίδρασης του αγγειογενετικού παράγοντα b-FGF και της άσκησης στον καρδιακό και γραμμωτό μυ των επίμυων. 29^ο Ετήσιο Πανελλήνιο Ιατρικό Συνέδριο, 20-24/5/2003, Αθήνα. Book of abstracts: 3.

42. Ζαχαρή Γ., Ζαχαρή Θ., Τοουλιές Α., Ασημακόπουλος Β., Νικολέττος Ν. (2003). Μελέτη των επιπέδων του PAI-1 και πιθανή συσχέτιση του με τα επίπεδα οιστραδιόλης, TNF α , IL-1 β , VEGF και λεπτίνης σε γυναίκες με ωοθυκική διέγερση για IVF. 9^ο Επιστημονικό Συνέδριο Φοιτητών Ιατρικής Ελλάδας, 9-11/5/2003, Αθήνα. Book of abstracts: 208.
43. Ευθυμιάδου Α., Ασημακόπουλος Β., Νικολέττος Ν., Γιατρομανωλάκη Α., Σιβρίδης Ε., Κοντολέων Ε. (2003). Μελέτη της επίδρασης των αγγεογενετικών παραγόντων b-FGF και a-FGF στον καρδιακό μυ επίμυων. 18^ο Βορειοελλαδικό Ιατρικό Συνέδριο, 14-17/5/2003, Θεσσαλονίκη. Book of abstracts: 75.
44. Mourvati E., Agorasti A., Asimakopoulos B., Martasidou E., Goutzouvelidis A., Konstantinidou D., Hatzidimitriou C. (2003). Study on the disorders of coagulation and fibrinolytic systems in predialysis patients with chronic renal failure. Comparison between diabetic and non diabetic patients. 6th BATNAO Congress, September 2003, Varna, Bulgaria. *BANTAO Journal*, 1: 69.
45. Mourvati E., Agorasti A., Asimakopoulos B., Martasidou E., Goutzouvelidis A., Konstantinidou D., Hatzidimitriou C. (2003). Is coagulation-fibrinolysis system influenced by the stage of chronic renal failure in diabetic and non diabetic predialysis patients? 6th BATNAO Congress, September 2003, Varna, Bulgaria. *BANTAO Journal*, 1: 69-70.
46. Asimakopoulos B., Nikolettos N., Schöpfer B., Tentes I., Diedrich K., Al-Hasani S. (2003). Considerable variation of cytokine levels in different follicles of the same woman. 8th Congress of the Bulgarian Society of Physiological Sciences, 20-21/6/2003, Sofia, Bulgaria.
47. Mourvati E., Agorasti A., Kyrgialanis A., Goutzouvelidis A., Asimakopoulos B., Konstantinidou D., Hatzidimitriou H. (2003). Comparative study of three types of dialysis membranes regarding their effect on natural inhibitors of coagulation, D-dimers (DD) and fibrinogen (FIB) in chronic hemodialysis (HD) patients. World Congress of Nephrology, 8-12/6/2003, Berlin, Germany. *Nephrology Dialysis Transplantation*, 18 (s4): 196.
48. Asimakopoulos B., Schöpfer B., Simopoulou M., Diedrich K., Al-Hasani S., Nikolettos N. (2003). Serum and follicular fluid cytokine and hormonal levels

- after ovarian stimulation. PhysPharm 2003, Scandinavian Congress of Physiology and Pharmacology, 11-14/10/2003, Odense, Denmark. Book of abstracts: 45.
49. Tentes I., Asimakopoulos B., Nikolettos N., Simopoulou M., Al-Hasani S. (2003). MMPs in follicular fluids of women undergoing ovarian stimulation. PhysPharm 2003, Scandinavian Congress of Physiology and Pharmacology, 11-14/10/2003, Odense, Denmark. Book of abstracts: 45.
50. Νικολέττος Ν., Ασημακόπουλος Β., Schörrer B., Al-Hasani S. (2002). Σύγκριση της ποιότητας των μεταφερθέντων εμβρύων σε κύκλους εξωσωματικής γονιμοποίησης με χρήση GnRH-αγωνιστή ή GnRH-ανταγωνιστή. 2^ο Πανελλήνιο Συνέδριο Ελληνικής Εταιρείας Γονιμότητας & Στεριότητας, 6-8/12/2002, Θεσσαλονίκη. Book of abstracts:48.
51. Μπολανάκη Ε., Καραγιαννάκης Α., Συρίγος Κ., Ευθυμιάδου Α., Ασημακόπουλος Β., Αναγνωστούλης Σ., Πολυχρονίδης Α., Σιμόπουλος Κ. (2002). Επίπεδα αγγειακού ενδοθηλιακού αυξητικού παράγοντα στον ορό ασθενών με καρκίνο του παγκρέατος. 23^ο Πανελλήνιο Συνέδριο Χειρουργικής – Διεθνές Χειρουργικό Φόρουμ, 9-12/11/2002, Αθήνα. *Ελληνική Χειρουργική*, 74 (6-1): 62-63.
52. Μπολανάκη Ε., Καραγιαννάκης Α., Ασημακόπουλος Β., Ευθυμιάδου Α., Αναγνωστούλης Σ., Πολυχρονίδης Α., Καρατζάς Γ., Σιμόπουλος Κ. (2002). Επίπεδα λεπτίνης στον ορό ασθενών με καρκίνο του παγκρέατος: συσχέτιση με παράγοντες θρέψης. 23^ο Πανελλήνιο Συνέδριο Χειρουργικής – Διεθνές Χειρουργικό Φόρουμ, 9-12/11/2002, Αθήνα. *Ελληνική Χειρουργική*, 74 (6-1): 322.
53. Ασημακόπουλος Β., Τέντες Ι., Al-Hasani S., Κορτσάρης Α., Κοντολέων-Βακαλοπούλου Ε., Νικολέττος Ν. (2002). Η κατανομή των μεταλλοπρωτεϊνών (MMPs) σε ωοθυλακικά υγρά γυναικών που συμμετείχαν σε πρόγραμμα εξωσωματικής γονιμοποίησης. 1st Intern. Congress in Assisted Reproduction “Highlights in Assisted Reproduction”, 14-15/7/2002, Alexandroupolis. Book of abstracts: 60.
54. Αγοράστη Α., Μουρβάτη Ε., Κυργιαλάνης Α., Γκουτζουβελίδης Α., Κωνσταντινίδου Χ., Ασημακόπουλος Β., Κωνσταντινίδου Δ., Χατζηδημητρίου Χ. (2002). Διαταραχές των φυσικών αναστολέων πήξης και αντίσταση στην

- ενεργοποιημένη πρωτεΐνη-C σε ασθενείς υπό αιμικάθαρση. 13^ο Πανελλήνιο Αιματολογικό Συνέδριο, 24-27/10/2002, Πάτρα. *Haema*, 5: 261s.
55. Μουρβάτη Ε., Αγοράστη Α., Κυργιαλάνης Α., Γκουτζουβελίδης Α., Ασημακόπουλος Β., Κωνσταντινίδου Δ., Χατζηδημητρίου Χ. (2002). Συγκριτική μελέτη της επίδρασης δύο διαφορετικού τύπου μεμβρανών αιμοκάθαρσης στο ινωδογόνο, τα D-διμερή και στους φυσικούς αναστολείς πήξης. 13^ο Πανελλήνιο Αιματολογικό Συνέδριο, 24-27/10/2002, Πάτρα. *Haema*, 5: 261s-262s.
56. Μπολανάκη Ε., Αναγνωστούλης Σ., Ευθυμιάδου Α., Ασημακόπουλος Β., Καραγιαννάκης Α., Πολυχρονίδης Α., Σιμόπουλος Κ., Καρατζάς Γ. (2002). Συσχέτιση των επιπέδων της λεπτίνης του ορού και της θρέψης ασθενών με καρκίνο παγκρέατος. 7^η Πανελλήνια Συνάντηση Χειρουργικής Ήπατος, Χοληφόρων, Παγκρέατος & Εναρκτήριο Συνέδριο της Ελληνικής Εταιρείας Χειρουργικής Πεπτικού, 19-21/7/2002, Αλεξανδρούπολη. *Digestive Surgery*, 19: 3.
57. Asimakopoulos B., Nikolettos N., Diedrich K., Al-Hasani S. (2002). Comparison of the outcome of ICSI cycles between women with right or left ovaries. 19th Annual Meeting of ESHRE, 1-3/7/2001, Vienna, Austria. *Human Reproduction*, 17(s1): 139.
58. Νικολέττος Ν., Diedrich Κ., Ασημακόπουλος Β., Κοντολέων-Βακαλοπούλου Ε., Al-Hasani S. (2001). Αποτελέσματα ενδοωαριακής έγχυσης σπερματοζωαρίων, μετά από λήψη από επιδιδυμίδα και κρυοσυντήρηση, σε γυναίκες με διαφορετική ανταπόκριση στα πρωτόκολλα διέγερσης. 2^ο Πανελ. Συνεδρίου Μοριακής Βιολογίας στην Υγεία, Αθήνα 2001. Book of abstracts: 79 – 82.
59. Tentes I., Kontoleon – Vakalopoulou E., Asimakopoulos B. (1997). Regenerative changes in the sciatic nerve: An electrophoretic analysis. XXXIII International Congress of Physiological Sciences, 30/6-5/7/1997. St. Petersburg, Book of Abstracts, P010.04
60. Tripsiannis G., Nikolettos N., Ifandidou P., Asimakopoulos B., Vakalopoulou E. (1996). The living conditions of the students of the Democritus University of Thrace (D.U.T.). 2nd European Medical Students' Symposium, Vol. of abstracts, Thessaloniki, p. 177.

PRESENTATIONS IN SCIENTIFIC CONGRESSES & MEETINGS

(full text published)

1. Mourvati E., Asimakopoulos B., Passadakis P., Boziou P., Giannatos V., Panagoutsos S., Hatzidimitriou C., Vargemezis V. (2001). Cardiac changes on patients undergoing conventional hemodialysis or hemofiltration. Proc. 5th BANTAO Congress, Thessaloniki, pp. 194 – 195.
2. Mourvati E., Asimakopoulos B., Thodis E., Panagoutsos S., Baharaki D., Hatzidimitriou C., Vargemezis V. (2001). Bone metabolism changes in patients on conventional hemodialysis in comparison with hemofiltration patients. Proc. 5th BANTAO Congress, Thessaloniki, pp. 192 – 193.
3. Sofianidou Th.S., Schneider H., Asimakopoulos B. (1987). Distribution of the water frog *Rana epeirotica* (Amphibia, Anura) in Greece. Proc. 4th Ord. Gen. Meet. S.E.H., Nijmegen 1987, Faculty of Sciences Nijmegen, pp.365-367.
4. Asimakopoulos B., Sofianidou Th.S. (1987). Distribution of the brown frog *Rana graeca* (Amphibia: Anura) in Greece. Proc. 4th Ord. Gen. Meet. S.E.H., Nijmegen 1987, Faculty of Sciences Nijmegen, pp. 29-32.

SCHOLARSHIPS

- | | |
|-----------|---|
| 2004 | Award (A/04/33529) from the Deutscher Akademischer Austausch Dienst for the research project “Effect of the gonadotropin-releasing hormone antagonists ganirelix and cetrorelix on the production of epidermal growth factor and insulin like growth factor-I from human granulosa cells” |
| 1986-1989 | Scholarship from “M.Moutsopoulos” legacy. |
| 1981-1982 | Scholarship from the State Foundation for my performance during the first year of studies in the Dept. of Biology, Aristoteleion Univ. of Thessaloniki. |

PARTICIPATION IN RESEARCH PROJECTS

- “Study of the effects of growth factors on the motility and vitality of human spermatozoa” (MIS 5049528). Research project financed by the Partnership Agreement for the Development Framework 2014-2020.
- “Investigation on the use of free nucleonic acids in culture media of human embryos as a non-invasive predictive tool for preimplantation diagnosis”. Research project financed by the Partnership Agreement for the Development Framework 2014-2020.
- «A Multicenter, Multiple-dose, Two-arm, Active-controlled, Double-blind, Double-dummy Study to Compare the Therapeutic Efficacy and Safety of Oral Doses of Cinacalset HCL With Intravenous Doses of AMG 416 in Hemodialysis Subjects With Secondary Hyperparathyroidism». Clinical trial; University Nephrological Clinic, University Hospital of Alexandroupolis & AMGEN Hellas (2014-2016).
- “EFFECTS OF GnRH ANALOGS ON THE FUNCTIONS OF NATIVE GRANULOSA LUTEAL CELLS”. Research project financed by the Greek Ministry of Health (2009-2010).
- IKYDA 2005 (PROGRAMME FOR THE PROMOTION OF THE EXCHANGE AND SCIENTIFIC COOPERATION BETWEEN GREECE AND GERMANY). “INVESTIGATION OF THE EFFECTS OF GnRH ANALOGUES ON THE FUNCTION OF HUMAN GRANULOSA LUTEIN CELLS”: common research project between the Laboratory of Physiology, School of Medicine, Democritus Univ. of Thrace and the Department of Obstetrics/Gynecology, University of Schleswig-Holstein, Campus Lübeck. Duration: 2006-2008. Position: head of the Greek team.
- IKYDA 2002 (PROGRAMME FOR THE PROMOTION OF THE EXCHANGE AND SCIENTIFIC COOPERATION BETWEEN GREECE AND GERMANY). “INVESTIGATION OF HORMONES AND CYTOKINES LEVELS IN SERUM AND FOLLICULAR FLUIDS OF

WOMEN UNDERGOING CONTROLLED OVARIAN STIMULATION FOR IVF/ICSI UNDER DIFFERENT STIMULATION PROTOCOLS” : common research project between the Laboratory of Physiology, School of Medicine, Democritus Univ. of Thrace and the Department of Obstetrics/Gynecology, University of Schleswig-Holstein, Campus Lübeck. Duration: 2003-2005; finished successfully. Position: member of the Greek team.

- Research project financed by the Research Committee of Democritus Univ. of Thrace “Induction of angiogenesis in muscles and myocardium of rat”. Duration: 2001-2003; finished successfully. Position: member of the research team.

SCIENTIFIC AWARDS

- 16th Medical Congress of North Greece, 26-28/10/2001, Thessaloniki. 1st Award on the field of experimental studies for the presentation: “Study on the effects of thiocolchicoside, orphenadrine and phenyramidol in isolated frog gastrocnemius muscle”.
- 23rd Panhellenic Congress of Surgery – International Surgical Forum, 9-12/11/2002, Athens. Award for the presentation: “Leptin serum levels in patients with pancreatic cancer: association with nutrition factors”.
- 29th Panhellenic Medical Congress, 20-24/5/2003, Athens. Award for the best presentation on the field of basic research: “Study of the effects of the angiogenic factor b-FGF and exercise on rat cardiac and skeletal muscle”.
- 4th Congress of the Medical Society of Kavala, 2008. First award for the presentation: “Effects of GnRH-analogs on the viability of human luteal granulosa cells”.
- Master Degree Program “Molecular & Applied Physiology”, School of Medicine, National & Kapodestrian University of Athens, 2016: “Excellence in teaching”.

EXPERIENCE ON CLINICAL EMBRYOLOGY

2020- today	IVF Unit of the General University Hospital of Alexandroupolis, Greece
2014 - 2020	Freelancer Embryologist
2014	Kinderwunschzentrum, Klinikum-Kempton, Akademisches Lehrkrankenhaus der Universität Ulm, Germany
2013	Head of the laboratory of Embryoclinic IVF center, Thessaloniki, Greece
08/2011 – 2013	Freelancer Embryologist
04/2008 – 08/2011	Head of the laboratory of the IVF Unit of the General University Hospital of Alexandroupolis, Greece
2003 – 2011	Private IVF center “Embryokosmogonensis”, Alexandroupolis, Greece

LECTURES – PARTICIPATION IN COMMITTEES OF SCIENTIFIC CONGRESSES

2019	“International Conference in Infertility, Clinical Embryology and Endoscopy (ICE 2019)”, Chennai – India, 02-04/08/2019. Member of the Faculty. Lectures: “Pharmacogenomics in IVF”, “Leptin in Human Reproduction”.
2019	“2 nd Hands-On Workshop on PGD, Embryo Biopsy and Vitrification” , 29-30/03/2019, Thessaloniki. Lecture: “Cryopreservation of 2PN Zygotes: Slow freezing or Vitrification?”.
2018	2 nd Congress “Bonding Embryologists to Fertility Specialists; to Assist Nature in Overcoming Infertility, 31/08-02/09/2018, Thessaloniki. Lecture: “Vitrification of Zygotes. A Lab Prespective”. Instructor in a Hands-On Workshop “Oocytes Handling”
2017	25 th International Congress of Physical Education & Sports Science, 19-21/05/2017, Komotini: Chairman in the Seminar “Obesity & Meatbolic Diseases: the role of exercise”.

- 2017 4th Congress on Education and Research, Faculty of Medicine, Democritus University of Thrace, 5-7/5/2017, Alexandroupolis: member of the Scientific Committee.
- 2017 10th Panhellenic Congress of Andrology, 17-18/3/2017, Athens. Lecture: “Genetics and Epigenetics of Spermatogenesis”.
- 2016 5th Panhellenic Congress of Fertility & Sterility, 9-11/12/2016, Thessaloniki: Chairman in the Round Table “Cryopreservation of Embryos & Oocytes”.
- 2016 3rd Congress on Education and Research, Faculty of Medicine, Democritus University of Thrace, 8-10/3/2016, Alexandroupolis: member of the Scientific Committee
- 2015 2nd Congress on Education and Research, Faculty of Medicine, Democritus University of Thrace, 8-10/5/2015, Alexandroupolis: member of the Scientific Committee.
- 2014 Scientific Meeting “Prospects of improvement in the Embryology Lab”, Origio & SAGE, 16/05/2014, Athens. Lecture: “In vitro-maturation – focusing on the methodology”.
- 2014 1st Congress on Education and Research, Faculty of Medicine, Democritus University of Thrace, 28-30/3/2014, Alexandroupolis: member of the Organizing Committee
- 2014 “Days of Physiology in Mani”, MD Program “Molecular & Applied Physiology”, School of Medicine, National & Kapodestrian University of Athens, 03-05/10/2014, Vathi, Mani. Lecture: “The Hypothalamus – Pituitary – Gonadal Axis has changed: RFamides”.
- 2013 1st Congress of Hellenic Society of Assisted Reproduction Medical Doctors, 22-24/11/2013, Athens. Lecture: “RFamides: integral parts of the Hypothalamus – Pituitary – Gonadal Axis, having a key regulatory role”
- 2013 Organization of Seminar “Introduction on the Physiology of Semen and Basic Semen Analysis”, Laboratory of Physiology, Faculty of Medicine, Democritus University of Thrace, July 2013, Alexandroupolis.

- 2011 26th Medical Congress of North Greece, 31/3-2/4/2011, Thessaloniki.
Lecture: “Molecular mechanisms of cadherins’ function”.
- 2011 Organization of Seminar “Introduction on the Physiology of Semen and Basic Semen Analysis”, Laboratory of Physiology, Faculty of Medicine, Democritus University of Thrace, November 2011, Alexandroupolis
- 2009 European Society of Human Reproduction & Embryology Campus “Reproductive andrology: linking laboratory to clinical practice”, 01-03/10/2009, Thessaloniki. Chairman in Round Table.
- 2009 “Scientific Meeting on Physiology”, Laboratory of Physiology, Faculty of Medicine, Democritus University of Thrace, under the auspices of the Hellenic Society of Physiology, 09/12/2009, Alexandroupolis: member of the Organizing Committee.
- 2009 15th Scientific Congress of Greek Medical Students, 8-10/10/2009, Thessaloniki: Lecture “Integrins”.
- 2005 11th Scientific Congress of Greek Medical Students, 13-15/05/2005, Alexandroupolis: Chairman of the session for presentations of Physiology.
- 2004 2nd International Congress “Highlights in Assisted Reproduction”, 4-6/6/2004, Alexandroupolis. Secretary of the Organizing committee.
Lecture: “The role of leptin in ovarian functions”.
- 2004 Institute of Physiology, Medical University of Lübeck (1/10/2004):
Lecture on the physiology of ovarian granulosa cells and the expression of growth factors from granulosa cell cultures.
- 2004 Department of Obstetrics/Gynecology, University of Schleswig-Holstein, Campus Lübeck. Lecture: “Hormones and cytokine levels in serum and follicular fluids of women undergoing controlled ovarian stimulation for ICSI/IVF under different stimulation protocols”
- 2002 1st International Congress “Highlights in Assisted Reproduction”, 14-15/9/2002, Alexandroupolis. Secretary of the Organizing committee.
Lecture: “Women with one ovary in in-vitro fertilization”.

CONTRIBUTION TO THE DISSERTATION OF PHD THESES

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SUPERVISION OF DISSERTATIONS

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- Stavros Zappas, MD Program “Molecular and Applied Physiology”, Medical School, Athens, 2010 (Supervisor).
- Kalliopi Bounti, Faculty of Molecular Biology & Genetics, D.U.TH., 2011 (Supervisor).
- Genovefa Bouraki, Faculty of Molecular Biology & Genetics, D.U.TH., 2011 (Supervisor).
- Ouranio Anastasiou, Faculty of Molecular Biology & Genetics, D.U.TH., 2011 (Supervisor).
- Maria Panagopoulou – Pantazi, Department of Biological Applications & Technology, University of Ioannina, 2011 (Supervisor)
- Aggelos Spyrou, MD Program “Molecular and Applied Physiology”, Medical School, Athens, 2011 (Supervisor).
- Anna Kollarou, MD Program “Molecular and Applied Physiology”, Medical School, Athens, 2011 (Supervisor).
- Styliani Dalakoura, MD Program “Molecular and Applied Physiology”, Medical School, Athens, 2012 (Supervisor).
- Th. Margari, MD Program “Molecular and Applied Physiology”, Medical School, Athens, 2012 (Supervisor).
- Thomai Garavela, MD Program “Molecular and Applied Physiology”, Medical School, Athens, 2012 (Supervisor).
- Genovefa Bouraki, MD Program “Translational Research in Molecular Biology & Genetics”, Faculty of Molecular Biology & Genetics, D.U.TH., 2015 (Member of the Advisory Committee).
- Maria Dimitriou, MD Program “Human Reproduction”, 2015 (member of the Advisory Committee).
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- Ioanna Michopoulou, MD Program “Human Reproduction”, 2016 (member of the Advisory Committee).
- Sofia Gryllia, MD Program “Human Reproduction”, 2016 (member of the Advisory Committee).
- Anthi Altiparmaki, MD Program “Human Reproduction”, 2016 (Supervisor).
- Antoula Stamkopoulou, MD Program “Human Reproduction”, 2016 (member of the Advisory Committee).
- Andriana Virgiliou, MD Program “Human Reproduction”, 2016 (Supervisor).
- Dimitra Myronidou, MD Program “Human Reproduction”, 2016 (member of the Advisory Committee).

MEMBER OF EDITORIAL BOARDS

- Human Genetics & Embryology

- The Open Reproductive Science Journal
- World Journal of Obstetrics & Gynecology
- Global Journal of Fertility and Research
- Austin Journal of In Vitro Fertilization

REVIEWER IN SCIENTIFIC JOURNALS

- Fertility and Sterility
- Reproductive Biology & Endocrinology
- Asian Journal of Andrology
- European Journal of Obstetrics, Gynecology and Reproductive Biology
- Journal of Endocrinological Investigation
- Human Reproduction
- Molecular Human Reproduction
- Reproductive BioMedicine Online
- Gynecological Endocrinology
- Biomarkers
- Journal of Gynecological Research and Obstetrics
- Hippokratia Journal
- Journal of International Medical Research
- Systems Biology in Reproductive Medicine
- Journal of Obstetrics & Gynecology
- Journal of Fertilization
- Human and Experimental Toxicology
- Current Medical Research & Opinion
- Journal of Assisted Reproduction & Genetics

EVALUATION OF RESEARCH PROPOSALS

2017 ESPA, Partnership Agreement 2014-2020

2016 Harokopio University

2011 “Enhancement of Research Activities”, Aristoteleian University of Thessaloniki.

ADMINISTRATIVE POSITIONS

- Director of the Laboratory of Physiology, Faculty of Medicine, Democritus University of Thrace (2018 – to day)
- Director of the Laboratory of Reproductive Physiology-IVF, Faculty of Medicine, Democritus University of Thrace (2018- to day)
- Deputy Director of the Master Degree Program “Human Reproduction” (2018 – June 2019)
- Member of the Steering Committee of the MD Program “Human Reproduction”, Faculty of Medicine, Democritus University of Thrace (2014-2018).
- Member of the General Assembly of the Faculty of Medicine, Democritus University of Thrace (2011, 2022-2024).
- Director of the Laboratory of Neurophysiology (2016- 2023)
- Several times, in the Faculty of Medicine, Democritus University of Thrace, I was member of Committees for receipt of materials, Electoral Committees, Student Selection Committees etc.

MEMBER OF SCIENTIFIC SOCIETIES

- ❖ Hellenic Society of Physiology (Member of the Steering Committee)
- ❖ Deutsche Physiologische Gesellschaft
- ❖ European Society of Human Reproduction & Embryology
- ❖ Panhellenic Union of Biologists
- ❖ Hellenic Society of Biological Sciences
- ❖ Panhellenic Union of Clinical Embryologists
- ❖ Hellenic Zoological Society
- ❖ Hellenic Society of Andrology
- ❖ Hellenic Society of Fertility and Sterility
- ❖ Scientific Society of Clinical Embryology & Human Reproductive Biology

SOCIAL ACTIVITIES

- Member of the Cultural Development Centre of Thrace
- Member of the Society of Xanthi's Blood givers