

CURRICULUM VITAE

NAME: GEORGE

SURNAME: FOUNTOS

BIRTH PLACE: IOANNINA

BIRTH DATE: 10-2-1965

ADDRESS: DAVAKI 6, 14564, N. KIFISIA, GREECE

TELEPHONE: +30 (210) 6205827, 6937337587

Education:

- Degree of Physics (1982-1987)
- University of Patras, Department of Medical Physics, postgraduate course in Medical Physics (1988-1989)
- Training for 12 months in Medical Physics (Physics in Radiology and Nuclear Medicine) in several Greek hospitals (1989-1990)
- PhD in Medical Physics (1990-1995)
- Medical Physicists license (non ionizing radiation) (1995)
- Medical Physicists license (ionizing radiation) (1996)
- Postgraduate Certificate in distant learning from Greek open University (1998-1999)
- Seminar, 3 months, in Statistics and Computers in Biological Science (University of Ioannina) (1991)

Languages: English

Professional Experience:

- Assistant Professor in Technological Institute of Athens (2007 up to now)
- Medical Physicist-Radiation Physicist-Biomedical Engineering, General Hospital "Pammakaristos" (2000-2007)
- Medical Physicist-Radiation Physicist, General Hospital of Ioannina (1999-2000)

- Researcher in Bonus Project Nb 476 (“IN VIVO determination of Ca/P ratio in bones”) (1/11/95-31/12/97)
- Researcher in Project Nb 274 (“Improvement and diversification of the commissions of Greek Telemedicine System”, University of Ioannina) (1/1/93-31/12/93)

Supervision in PhD Thesis: in 2 Thesis

Prominences:

- Scholarship for postgraduate studies in the University of Ioannina
- "An electron microscopic study of collagen fibril structure after lithium treatment - II. The effects of low lithium dose and short treatment on mouse skin collagen". Kounadi E., Tzaphlidou M., **Fountos G.** and Glaros D., *Micron* 1995, 26, 113-120, 6 selected papers for 1995 *Micron*
- “Changes in the skeletal Ca/P ratio and collagen morphology in rabbits fed a diet in Ca, P, and vitamin D, or made osteopenic by inflammation“. **Fountos G.**, Kounadi E., Tzaphlidou M., Glaros D. and Yasumura S., *Experimental Biology 1997, New Orleans, LA, April 6-9, 1997*, one from 27 choosed to publish in the following book “Bone Ca/P ratio: A new window for Assessment“, **Fountos G.**, M. Tzaphlidou, E. Kounadi, D. Glaros, S. Yasumura. Published by Springer Verlag New York , Inc. Editor Richard N. Pierson, Jr., M.D..

Member of:

- Hellenic Biomedical Engineering Society
- Treasurer of the Hellenic Association of Medical Physicists (HAMP)
- Hellenic Union of Physicists
- Hellenic Research Society Bone’s Metabolism

Citations: 89 citations

Book Chapters:

1. "Bone Ca/P ratio: A new window for Assessment", **G Fountos**, M. Tzaphlidou, E. Kounadi, D. Glaros, S. Yasumura. Published by Springer Verlag New York , Inc. Editor Richard N. Pierson, Jr., M.D.
2. "Laboratory approach of osteoporosis and measurement quality guarantee", Greek Institute of Osteoporosis

Research publications in international scientific journals:

1. "The skeletal calcium/phosphorus ratio: a new in vivo method of determination". **Fountos G.**, Yasumura S., Glaros D. 1997. *Med. Phys.* 24/8, 1997, p. 1303-1310.
2. "An electron microscopic study of collagen fibril structure after lithium treatment - II. The effects of low lithium dose and short treatment on mouse skin collagen". Kounadi E., Tzaphlidou M., **Fountos G.** and Glaros D., *Micron* 1995, 26, 113-120.
3. "The effects on inflammation-mediated osteoporosis (IMO) on the skeletal Ca/P Ratio and on the structure of Rabbit Bone and Skin Collagen ", **Fountos G.**, Kounadi E., Tzaphlidou M. and Yasumura S., *Appl. Radiat. Isotopes*, 1998, 49, 657-659.
4. "The influence of inflammation-mediated osteopenia (IMO) on the structure of Rabbit Bone and Skin Collagen fibrils" Kounadi E., **Fountos G.**, and Tzaphlidou M., *Connect. Tissue Res.*, 1998, 37, 69-76.
5. "In Vivo Measurement of Radius Calcium/Phosphorus Ratio by X-ray Absorptiometry" **Fountos G.**, Tzaphlidou M., Kounadi E., and Glaros D., *Appl. Radiat. Isotopes*, 1999, 51 (3), pp. 273-278.

6. "Bone Ca/P ratio: A new window for Assessment", **Fountos G.**, Tzaphlidou M., Kounadi E., Glaros D., Yasumura S. *Published by Springer Verlag New York , Inc. Editor Richard N. Pierson, Jr., M.D. ISBN10: 0387951202, ISBN13: 9780387951201, Pub. Date: 12/1/2000.*
7. "Changes in the skeletal Ca/P ratio and collagen morphology in rabbits fed a diet in Ca, P, and vitamin D, or made osteopenic by inflammation". **Fountos G.**, Kounadi E., Tzaphlidou M., Glaros D. and Yasumura S., *FASEB Journal, Vol 11, Number 3: page A387, 1997, Experimental Biology New Orleans, LA, 1997.*
8. "Measurements of the axial periodicity of collagen in various tissues: A new computer method". Kounadi E., Tzaphlidou M., Leontiou I. and **Fountos G.** *Med. Biol. Eng. Comput., Vol. 35, Suppl. Part 1, page 120, 1997, Word Congress on Medical Physics and Biomedical Engineering 1997.*
9. "Bone Ca/P ratio measurements in finger-radius". **Fountos G.**, Tzaphlidou M., Kounadi E. and Glaros D., *Med. Biol. Eng. Comput., Vol. 35, Suppl. Part 2, page 701, 1997, Word Congress on Medical Physics and Biomedical Engineering 1997.*
10. "Bone Hydroxyapatite/Collagen Ratio In Vivo Measurements by X-ray Absorptiometry". Tzaphlidou M., **Fountos G.**, and Glaros D., *Annals. NY Ac Sci, Vol. 904, page 284-286, 2000.*
11. "Interactive Software for Morphometric Analysis of Collagen Fibrils". **Fountos G.**, Fountos I., and Kounadi E., *Phys Med Vol. XV N3, page 174, 1999.*
12. "Uptake of Tc99m-Tetrofosmin in Sarcoma Kaposi". Sxoina I, Steriopoulou Xr, Kounadi E., **Fountos G.**, Zioga A., Agnantis N. and Xatzis I., *Phys Med Vol. XV N3, page 210, 1999.*

13. "Reflex Sympathetic Dystrophy Syndrome: Diagnosis and Follow up Treatment"., **Fountos G.**, Schina I., Disnitsas L., Kounadi E, and Papadopoulos G, *E J Nucl Med Vol. 28/8, page 1185, 1999.*
14. "The physician should benefit, not harm the patient." Grammaticos P., **Fountos G.** Hell J Nucl Med. 2006 May-Aug; 9(2):82-4.
15. "Clinical practice guidelines proposed by the Hellenic Foundation of Osteoporosis for the management of osteoporosis based on DXA results", Baltas, C.S., Balanika, A.P., Raptou, P.D., Tournis, S., Lyritis, G.P., Hadjidakis, D., Karras, D., Stringaris, K., Batakis, N., Tsouroulas, M., Siountas, A., Efstathopoulos, E., **Fountos, G.**, *Journal of Musculoskeletal Neuronal Interactions Volume 5, Issue 4, October 2005, Pages 388-392*
16. Erdheim-Chester disease: Symmetric uptake in the ^{99m}Tc-MDP bone scan, Zanglis, A., Valsamaki, P., **Fountos, G.** 2008 *Hellenic Journal of Nuclear Medicine* 11 (3), pp. 164-167 0
17. "Light emission efficiency of Gd₂O₂S:Eu (GOS:Eu) powder screens under X-ray mammography conditions", Michail, C.M., Valais, I.G., Toutountzis, A.E., Kalyvas, N.E., **Fountos, G.P.**, David, S.L., Kandarakis, I.S., Panayiotakis, G.S. 2008 *IEEE Transactions on Nuclear Science* 55 (6), pp. 3703-3709.
18. "A comparative investigation of Lu₂SiO₅:Ce and Gd₂O₂S:Eu phosphor scintillators for use in a medical imaging detectors" Michail, C., David, S., Toutountzis, A., Valais, I., Panayiotakis, G.S., **Fountos, G.**, Valais, I., (...), Kandarakis, I. 2008 *IST 2008 - IEEE Workshop on Imaging Systems and Techniques Proceedings*, pp. 25-28.

19. "Investigation of the performance of Ce³⁺ doped single crystal scintillators covering radiotherapy and PET/CT imaging conditions", Valais, I., Michail, C., David, S., Panayiotakis, G.S., **Fountos, G.**, Kandarakis, I., Paschalis, T. 2008 *IST 2008 - IEEE Workshop on Imaging Systems and Techniques Proceedings*, pp. 21-24

20. "A comparative investigation of Lu₂SiO₅:Ce and Gd₂O₂S:Eu powder scintillators for use in x-ray mammography detectors", C M Michail, **G P Fountos**, S L David, I G Valais, A E Toutountzis, N E Kalyvas, I S Kandarakis, G S Panayiotakis, , in print in *Measurement Science and Technology*.

21. "The influence of software filtering in digital mammography image quality", C. Michail, V. Spyropoulou, N. Kalyvas, I. Valais, N. Dimitropoulos, **G. Fountos**, I. Kandarakis and G. Panayiotakis, , *J. Inst.*, Vol. 4, P05018, 2009.

22. "Figures of Merit and Information Capacity in Digital Mammography", Christos M. Michail, Vasiliki B. Spyropoulou, Nektarios E. Kalyvas, Adrianos E. Toutountzis, Ioannis G. Valais , Member, IEEE, **George P. Fountos**, Nikolaos Dimitropoulos, Ioannis S. Kandarakis and George S. Panayiotakis, , accepted for publication under revision in *IEEE Trans. Nucl. Sci.*

23. "Comparative Investigation of Ce³⁺ doped Scintillators in a wide Range of Photon Energies covering X-ray CT, Nuclear Medicine and Megavoltage Radiation Therapy Portal Imaging applications" Ioannis G. Valais, Christos M. Michail, Stratos L. David, Panagiotis F. Liaparinos, **George P. Fountos**, Theodoros V. Paschalis, Ioannis S. Kandarakis and

George S. Panayiotakis, , accepted for publication under revision in, *IEEE Trans. Nucl. Sci.*

24. "Evaluation of the luminescence efficiency of YAG:Ce powder scintillating screens for use in digital mammography detectors", S. L. David, C. M. Michail, M. Roussou, E. Nirgianaki, A. E. Toutountzis, I. G. Valais, **G. Fountos**, P. F. Liaparinos, I. Kandarakis, G. Panayiotakis, Evaluation of the luminescence efficiency of YAG:Ce powder scintillating screens for use in digital mammography detectors. submitted for publication in *IEEE Trans. Nucl. Sci.*

25. "Efficiency of Gd₂O₂S:Eu Powder Phosphor as X-ray to Light Converter under Radiographic Imaging Conditions", C.M. Michail, I. G. Valais, A. Toutountzis, I. Seferis, M. Georgousis, **G. Fountos**, A. Samartzis, P. Liaparinos, I. S. Kandarakis and G.S. Panayiotakis, WC 2009, IFMBE Proceedings 25/II,pp. 794-797,2009, (Eds) O. Dossel and W.C. Schegel

26. "Dual Energy Subtraction Angiography: a Simulation Study using the Three Material Approach" A. Toutountzis, **G. Fountos**, C. Michail, A. Samartzis, I. Kandarakis and G. Nikiforidis WC 2009, IFMBE Proceedings 25/II,pp. 913-916, 2009, (Eds) O. Dossel and W.C. Schegel

27. "Assessment of Image Quality in SPECT Systems via the Implementation of a Novel Flood Source Technique" **G. Fountos**, A. Zanglis, C. Michail, I. Kalatzis, D. Cavouras, A. Samartzis, E. Kounadi, P. Valsamaki, S. Gerali, G. Nikiforidis and I. Kandarakis, WC 2009, IFMBE Proceedings 25/II, pp. 802-805, 2009, (Eds) O. Dossel and W.C. Schegel

28. “A novel method for the MTF determination in PET/CT scanners” A. Samartzis, **G. Fountos**, I. Kalatzis, C. Michail, A. Zanglis, D. Cavouras, I. Datseris, E. Kounadi, D. Vattis, I. Kandarakis and G. Nikiforidis, WC 2009, IFMBE Proceedings 25/II, pp. 841-844, 2009, (Eds) O. Dossel and W.C. Schegel
29. “The use of Modulation Transfer Function as an overall quality control parameter in PET/CT” A. Samartzis, **G. Fountos**, I. Kalatzis, C. Michail, A. Zanglis, D. Cavouras, I. Datseris, E. Kounadi, D. Vattis, I. Kandarakis and G. Nikiforidis. 3rd International Conference on Experiments/Process/System Modeling/Simulation & Optimization, 3rd IC-EpsMsO, Athens, 8-11 July, 2009
30. “A novel flood source used for the MTF determination in SPECT systems” **G. Fountos**, A. Zanglis, C. Michail, I. Kalantzis¹, A. Samartzis, D. Cavouras, E. Kounadi, P. Valsamaki, I. Kandarakis, S. Gerali and G. Nikiforidis, issue: 2, volume:5, 2010 e-Journal of Science and Technology, page 1-6
31. “Implementation of a Software Phantom for the Assessment of Contrast Detail in Digital Radiography”, Meletis Liaskos, Christos Michail, Nektarios Kalyvas, Adrianos Toutountzis, Stavros Tsantis, **George Fountos**, Dionysis Cavouras and Ioannis Kandarakis, issue: 2, volume:5, 2010 e-Journal of Science and Technology, page 15-23.
32. “Luminescence Efficiency of Europium activated Gd₂O₂S Powder Phosphors for Medical Imaging applications”, Christos M. Michail, Adrianos Toutountzis, Ioannis G. Valais, Ioannis Seferis, Michalis Georgousis, **George Fountos**, Ioannis S. Kandarakis and George S.

Panayiotakis, issue: 2, volume:5, 2010 e-Journal of Science and Technology, page25-32

33. “The use of Modulation Transfer Function as an Overall Quality Control parameter in PET/CT”, A. Samartzis, **G. Fountos**, I. Kalatzis, C. Michail, A. Zanglis, D. Cavouras, I. Datseris, E. Kounadi, D. Vattis, I. Kandarakis and G. Nikiforidis issue: 2, volume:5, 2010, e-Journal of Science and Technology, page 41-48.

34. “Luminescence Efficiency of fast Yttrium Aluminum Garnet Phosphor Screens for use in Digital Breast Tomosynthesis”. Stratos L. David, Christos M. Michail, Ioannis G. Valais, Ioannis Seferis, George Varaboutis, Stauros Gatsos, Adrianos E. Toutountzis, **George Fountos**, Ioannis S. Kandarakis, George S. Panayiotakis, issue: 2, volume:5, 2010, e-Journal of Science and Technology, page 63-73.

35. “Light emission efficiency and imaging performance of Gd₂O₂S:Eu powder scintillator under x-ray Radiography conditions”, C. M. Michail, **G. P. Fountos**, P. F. Liaparinos, N. E. Kalyvas, I. Valais, I. S. Kandarakis, G. S. Panayotakis, Med. Phys., 37 (7), pp. 3694-3703.

36. “The effect of scintillator response on signal difference to noise ratio in X-ray medical imaging”, Ninos, K., Cavouras, D., **Fountos, G.**, Kandarakis, I., *Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment* 622 (1), pp. 246-255

Chairman: Mini symposium in Medical Imaging-Session I, 13th IC-EpsMSO International Conference, 8-11 July 2009

Research publications in Greek scientific journals: 10 publications

Research publications in conferences:

1. “A cassette- phantom for tele-quality assurance at diagnostic radiation units”
Fountos G., Kounadi E., Donos G.A. and Glaros D., *International Conference on Medical Physics and Biomedical Engineering, 5-7 May 1994, Cyprus.*
2. “The effects of inflammation-mediated osteoporosis (IMO) on the skeletal Ca/P Ratio and on the structure of Rabbit Bone and Skin Collagen”, **Fountos G.**, Kounadi E., Tzaphlidou M. and Yasumura S., *International symposium on in Vivo body composition studies, Malmo, Sweden, 1996.*
3. “Changes in the skeletal Ca/P ratio and collagen morphology in rabbits fed a diet in Ca, P, and vitamin D, or made osteopenic by inflammation“. **Fountos G.**, Kounadi E., Tzaphlidou M., Glaros D. and Yasumura S., *Experimental Biology 1997, New Orleans, LA, April 6-9, 1997*
4. “Measurements of the axial periodicity of collagen in various tissues: A new computer method“. Kounadi E., Tzaphlidou M., Leontiou I. and **Fountos G.** *Word Congress on Medical Physics and Biomedical Engineering, Nice France 14-19 September 1997.*
5. “Bone Ca/P ratio measurements in finger-radius“. **Fountos G.**, Tzaphlidou M., Kounadi E. and Glaros D. *Word Congress on Medical Physics and Biomedical Engineering, Nice France 14-19 September 1997*
6. «Morphometric analysis of fibrils collagen». **Fountos G.**, Fudos I. and Kounadi E., *VI International conference on Medical Physics, Patras 1999.*
7. “Τεχνικές υπολογισμού οστικής μάζας“, Στρογγυλή τράπεζα **Φούντος Γεώργιος**, 3^ο Πανελλήνιο Συνέδριο Φοιτητών Ιατρικής, Θεσσαλονίκη 12-14 Μαρτίου 1993.

8. “Άλλες τεχνικές οστεοπυκνομετρίας“, **Φούντος Γεώργιος**, Διάλεξη στην *Ημερίδα Οστικής Πυκνομετρίας*, Αθήνα 22/6/1193.
9. “Ποιοτικοί έλεγχοι σε κλασσικά οδοντιατρικά μηχανήματα της πόλης των Ιωαννίνων“. **Φούντος Γ.**, Παππούς Γ., Τερζής Σ. και Γλάρος Δ., *5^ο Διαπανεπιστημιακό Ακτινολογικό Συνέδριο*, Ιωάννινα 3-5 Νοεμβρίου 1995.
10. “Μελέτη του λόγου Ca/P και της δομής των ινιδίων κολλαγόνου σε οστά κουνελιών μετά από αγωγή IMO (Inflammatory Mediated Osteoporosis)”, **Φούντος Γ.**, Κουνάδη Ε., Τζαφλίδου Μ. και Γλάρος Δ., *3^ο Πανελλήνιο Συνέδριο Ε.Ε.Μ.Μ.Ο., Θεσσαλονίκη, 1995.*
11. 11. “Μελέτη της δομής κολλαγόνου δέρματος κουνελιών μετά από αγωγή IMO (Inflammation Mediated Osteoporosis)”, Κουνάδη Ε., **Φούντος Γ.**, και Τζαφλίδου Μ. *22^ο Ετήσιο Πανελλήνιο Ιατρικό Συνέδριο, Μαΐος 1996.*
12. “In vivo μελέτη του λόγου Ca/P στα οστά: Σύγκριση δύο μεθόδων“, **Φούντος Γ.**, Κουνάδη Ε., Τζαφλίδου Μ. και Γλάρος Δ. , *4^ο Πανελλήνιο Συνέδριο Ε.Ε.Μ.Μ.Ο., Αθήνα, 1996.*
13. “Μετρήσεις λόγου Ca/P σε ισοδύναμα βιολογικών υδροξυαπατιτών με την απορρόφηση δύο μονοεργειακών δεσμών γ-ακτινοβολίας“. **Φούντος Γ.**, Κουνάδη Ε. και Τζαφλίδου Μ., *4^ο Πανελλήνιο Συνέδριο Ε.Ε.Μ.Μ.Ο., Αθήνα, 1996.*
14. “In vivo μέτρηση του λόγου Ca/P των οστών σε οστεοπορωτικούς ασθενείς“, **Φούντος Γ.**, Τζαφλίδου Δ., Αντωνάκης Γ., Κουνάδη Ε., Γεωργίου Ι., Λώλης Δ., και Γλάρος Δ., *5^ο Πανελλήνιο συνέδριο Ε.Ε.Μ.Μ.Ο. Θεσσαλονίκη 27-30 Νοεμβρίου 1997.*
15. “Μελέτη του λόγου Ca/P των οστών in vivo σε άτομα ηλικίας 28-30 ετών χρησιμοποιώντας λυχνία ακτίνων-x“. **Φούντος Γ.**, Τζαφλίδου Μ., Αντωνάκης

- Γ., Κουνάδη Ε., Γεωργίου Ι., Λώλης Δ. και Γλάρος Δ., 6^ο Πανελλήνιο συνέδριο Ε.Ε.Μ.Μ.Ο. Αθήνα 12-14 Νοεμβρίου 1998.
16. “Διερεύνηση της δυνατότητας προσδιορισμού του λόγου υδροξυαπατίτη-κολλαγόνου των οστών in vivo χρησιμοποιώντας λυχνία ακτίνων-χ“. Κουνάδη Μ., **Φούντος Γ.**, Τζαφλίδου Μ., Κουτσούρης Δ., Κουνάδη Ε., Γλάρος Δ. 6^ο Πανελλήνιο συνέδριο Ε.Ε.Μ.Μ.Ο. Αθήνα 12-14 Νοεμβρίου 1998.
17. “Uptake of Tc^{99m} Tetrofosmin in Sarcoma Kaposi“. Sxoina I., Stergopoulou Χρ., **Fountos G.**, Zioga A., Agnantis N., Xatzis I. VI International Conference on Medical Physics. Patras 1-4 September 1999.
18. “Morphometric Analysis of Fibrils Collagen“. **Fountos G.**, Fudos I., Kounadi E. VI International Conference on Medical Physics. Patras 1-4 September 1999.
19. “Σπινθηρογραφική απεικόνιση του Σαρκόματος Kaposi. Παρακολούθηση της Θεραπείας με Tc-Myoview. “. Σχοινά Ι., Στεργοπούλου Χ., Ζιώγα Α., **Φούντος Γ.**, Χατζής Ι., Αγνάντη Ν. 1^ο Συνέδριο Κλινικών Εφαρμογών και Βασικών Αρχών Πυρηνικής Ιατρικής με Διεθνή Συμμετοχή, 5-7 Νοε. 1999.
20. “Bone Hydroxyapatite/Collagen Ratio: In Vivo Measurements by x-ray Absorptiometry“. Tzaphlidou M., **Fountos G.**, Glaros D.. Fifth International Symposium on In Vivo Composition Studies, October 7-9,1999.
21. “Reflex Sympathetic Dystrophy Syndrome: Diagnosis and Follow up Treatment“., **Fountos G.**, Schina I., Disnitsas L., Kounadi E, and Papadopoulos G, *EANM Congress, Napoli 25-29 Aug 2001*.
22. «Η in vivo επαναληψιμότητα των μετρήσεων οστικής πυκνότητας στην περιοχή της κεφαλής του μηριαίου», **Φούντος Γ.**, Σχοινά Ι., Κωνσταντινίδης Ι., Αλεξανδρόπουλος Ν., Μάντακας Α., Χατζηλουκά Α., 9^ο Πανελλήνιο Συνέδριο Ε.Ε.Μ.Μ.Ο., Κρήτη, 2001.

23. «Συγκριτική Μελέτη της % μεταβολής της BMD σε μετεμμηνοπαυσιακές γυναίκες ανάλογα με τη θεραπεία», Σχοινά Ι., **Φούντος Γ.**, Μάντακας Α., Βλάχου Χ., Χατζηλουκά Α., 9^ο Πανελλήνιο Συνέδριο Ε.Ε.Μ.Μ.Ο., Κρήτη, 2001.
24. «Μελέτη παραμέτρων των ακτινολογικών φιλμ που παραμένουν εντός του πάσου του εμφανιστηρίου», Γ. Φούντος, Μ. Περγαντά, Κ. Ιωάννου, Ι Τζαχσάν, Αικ Χατζημιχαήλ, Ι Βαζάκας, 11^ο Διαπανεπιστημιακό Συνέδριο Ακτινολογίας, Ιωάννινα 2001.
25. «Συσχετίσεις των Κυτταροκίνων του ορού σε ασθενείς με πολλαπλούν Μυέλωμα», Α Ρέγκλη, Χ Βλάχου, Χ Καρώνη, Μ Χαριτίδη, Π Γκισούρης, Γ Φούντος, Ε Μανωλέρης, Κ Μάτσης, Ι Κωνσταντινίδης», 7^ο Πανελλήνιο Συνέδριο Παθολογίας, Αθήνα 2001.
26. «Επίδραση της παλαιότητας των κασετών στην αμαύρωση του Ακτινολογικού Φιλμ». Δ. Τοσονίδου, Γ. Φούντος, Α. Μυταφίδης, Κ. Σδράλια, Α. Κακούρη, Ι. Ζουρίδης, Ι. Τζαχσάν, Δ. Χατζηφόρος, Ι. Βαζάκας. Ετήσιο 32^ο Πανελλήνιο Ιατρικό Συνέδριο. 9-13 Μαΐου 2006
27. «Έλεγχος Ποιότητας: Συγκριτική Μελέτη Διαφόρων Ακτινολογικών Φιλμ.» Φούντος Γ. , Τοσονίδου Δ., Μυταφίδης Α., Κορμάς Γ., Κακούρη Α., Χατζηφόρος Δ., Τζαχσάν Ι., Βαζάκας Ι. . 16^ο Διαπανεπιστημιακό Συνέδριο Ακτινολογίας 22-24 Σεπτεμβρίου 2006.
28. «A novel method for the determination in PET-CT Scanners», A. Samartzis, G. Fountos, A. Zanglis, C. Michail, I. Kalatziw, D. Kavouras,, I. Kandarakis, ECR 2009, 6-10 March, Vienna Austria.
29. «Dual Energy Subtraction angiography: A simulation study using the three material approach», A. Toutountzis, G. Fountos, A. Samartzis, C. Michail, I. Kandarakis, G. Nikiforidis, ECR 2009, 6-10 March, Vienna Austria.

30. "A comparative investigation of $\text{Lu}_2\text{SiO}_5:\text{Ce}$ and $\text{Gd}_2\text{O}_2\text{S}:\text{Eu}$ phosphor scintillators for use in a medical imaging detectors" C. Michail, G. Fountos, S. David, A. Toutountzis, I. Valais, N. Kalivas, I. Kandarakis and G.S. Panayiotakis, accepted IEEE International Workshop on Imaging Systems and Techniques (IST) Chania, Island of Crete, Greece September 10-11 2008. EDAS No.1569131909, 978- 1-4244-2497-9/08/\$20.00 2008 IEEE
31. "Efficiency of $\text{Gd}_2\text{O}_2\text{S}:\text{Eu}$ Powder Phosphor as X-ray to Light Converter under Radiographic Imaging Conditions", C.M. Michail, I. G. Valais, A. Toutountzis, I. Seferis, M. Georgousis, G. Fountos, A. Samartzis, P. Liaparinos, I. S. Kandarakis and G.S. Panayiotakis, , accepted for publication in the 11th International Congress of the IUPESM MEDICAL PHYSICS AND BIOMEDICAL ENGINEERING WORLD CONGRESS 2009 September 7–12 Munich/Germany, 02/01.13
32. "Luminescence Efficiency of $\text{Gd}_2\text{O}_2\text{S}:\text{Eu}$ Powder Phosphors as X-ray to Light Converter for use in digital mammography detectors" C.M. Michail, A. Toutountzis, I. G. Valais, I. Seferis, M. Georgousis, G. Fountos, I. S. Kandarakis and G.S. Panayiotakis, , 3rd International Conference on Experiments/Process/System Modeling/Simulation & Optimization, 3rd IC-EpsMsO, Athens, 8-11 July, 2009
33. "Investigation of the performance of Ce^{3+} doped single crystal scintillators covering radiotherapy and PET/CT imaging conditions" I. Valais, C. Michail, S. David, G. Fountos, T. Pashalis, G.S. Panayiotakis and I. Kandarakis, , accepted IEEE International Workshop on Imaging Systems and Techniques (IST) Chania, Island of Crete, Greece September 10-11 2008. EDAS No. 1569131924, 978- 1-4244-2497-9/08/\$20.00 2008 IEEE
34. "Evaluation of the luminescence efficiency of $\text{YAG}:\text{Ce}$ powder scintillating screens for use in digital mammography detectors" S. David, C. Michail, M. Roussou, E. Nirgianaki, A. Toutountzis, I. Valais, G. Fountos, I. Kandarakis, G. Panagiotakis, , accepted in IEEE Nuclear Science

Symposium, Medical Imaging Conference and 16th Room Temperature Semiconductor Detector Workshop 19 - 25 October 2008 Dresden, Germany.

35. "A Comparative Investigation of Ce³⁺ Doped Single Crystal Scintillators Covering Radiotherapy and PET/CT Imaging Conditions" I. G. Valais, C. M. Michail, S. L. David, A. E. Toutountzis, G. P. Fountos, G. S. Panayiotakis, I. S. Kandarakis, , accepted in IEEE Nuclear Science Symposium, Medical Imaging Conference and 16th Room Temperature Semiconductor Detector Workshop 19 - 25 October 2008 Dresden, Germany.
36. "Luminescence efficiency of fast yttrium aluminum garnet phosphor screens for use in digital breast tomosynthesis detectors" S. David, C. Michail, I. Valais, I. Seferis, G. Varaboutis, S. Gatsos, A. Toutountzis, G. Fountos, I. Kandarakis, G. Panayiotakis, , 3rd International Conference on Experiments/Process/System Modeling/Simulation & Optimization, 3rd IC-EpsMsO, Athens, 8-11 July, 2009
37. "Image Quality Assessment in SPECT Systems using a novel flood source" G. Fountos, A. Zanglis, C. Michail, I. Kalatzis, D. Cavouras, A. Samartzis, E. Kounadi, P. Valsamaki, S. Gerali, G. Nikiforidis and I. Kandarakis, , 3rd International Conference on Experiments/Process/System Modeling/Simulation & Optimization, 3rd IC-EpsMsO, Athens, 8-11 July, 2009
38. "MTF Determination In Spect Systems Using A Film-Flood Source Based On Tc-99m" George Fountos, Antonis Zanglis, Christos Michail, Lefteris Syggelopoulos, Ioannis Kalantzis, Dionisis Cavouras, George Panayiotakis, Ioannis Kandarakis, , 3rd International Conference "From Scientific Computing to Computational Engineering, 3rd IC-SCCE Athens, 9-12 July, 2008.
39. "Dual Energy Subtraction Angiography: a Simulation Study using the Three Material Approach" A. Toutountzis, G. Fountos, C. Michail, A. Samartzis, I. Kandarakis and G. Nikiforidis, , accepted for publication in the 11th

International Congress of the IUPESM MEDICAL PHYSICS AND BIOMEDICAL ENGINEERING WORLD CONGRESS 2009 September 7–12 Munich/Germany, 02/01.22

40. “Assessment of Image Quality in SPECT Systems via the Implementation of a Novel Flood Source Technique” G. Fountos, A. Zanglis, C. Michail, I. Kalatzis, D. Cavouras, A. Samartzis, E. Kounadi, P. Valsamaki, S. Gerali, G. Nikiforidis and I. Kandarakis, , accepted for publication in the 11th International Congress of the IUPESM MEDICAL PHYSICS AND BIOMEDICAL ENGINEERING WORLD CONGRESS 2009 September 7–12 Munich/Germany, 02/05.5
41. “A novel method for the MTF determination in PET/CT scanners” A. Samartzis, G. Fountos, I. Kalatzis, C. Michail, A. Zanglis, D. Cavouras, I. Datseris, E. Kounadi, D. Vattis, I. Kandarakis and G. Nikiforidis, , accepted for publication in 11th International Congress of the IUPESM MEDICAL PHYSICS AND BIOMEDICAL ENGINEERING WORLD CONGRESS 2009 September 7–12 Munich/Germany
42. “The use of Modulation Transfer Function as an overall quality control parameter in PET/CT” A. Samartzis, G. Fountos, I. Kalatzis, C. Michail, A. Zanglis, D. Cavouras, I. Datseris, E. Kounadi, D. Vattis, I. Kandarakis and G. Nikiforidis, , 3rd International Conference on Experiments/Process/System Modeling/Simulation & Optimization, 3rd IC-EpsMsO, Athens, 8-11 July, 2009
43. “Comparison of two commercially available hybrid PET-CT scanners by using a novel method for image quality assessment” A. Samartzis, C. Michail, G. Fountos, A. Zanglis, I. Kalantzis, D. Cavouras, I. Datseris, E. Kounadi, L. Papaspyrou, I. S. Kandarakis, G. Nikiforidis,. Annual Congress of the European Association of Nuclear Medicine EANM'09
44. “A novel method for the MTF determination in Siemens e-cam γ -camera, using the brain DaTSCAN and the Tc-99m-MIBI heart imaging protocols”

George Fountos, Antonios Zanglis, Alexandros Samartzis, Christos Michail, Ioannis Kalantzis, Dionisis Cavouras, Evaggelia Kounadi, Pipitsa Valsamaki, George Nikiforidis, Ioannis Kandarakis, Sofia Gerali, 4o International Conference of Nuclear Medicine, Grand Palace Hotel, Thessalonica, Greece 7-9-11-2008.

45. "Recurrent medullary or mixed papillary and medullary thyroid cancer identified by ^{99m}Tc -Depreotide; correlation with tumor markers", P. Valsamaki¹, A. Gotzamani-psarrakou², E. Molyvda², V. Papantoniou³, I. Tzitzikas², A. Zanglis¹, G. Fountos⁴, S. Gerali¹; Annual Congress of the European Association of Nuclear Medicine EANM'09
46. "Effective dose rate measurements of PET/CT patients at "Evangelismos" General Hospital and evaluation of radiation protection instructions", A. P. Samartzis¹, N. Bertsekas¹, G. Fountos², I. Datsaris³, C. Alevizaki¹; Annual Congress of the European Association of Nuclear Medicine EANM'09.
47. Bone mineral density in postmenopausal women under thyroxine therapy. Correlation between thyrotropin, aminoterminal propeptide of type 1 procollagen and bone densitometry, P. Valsamaki¹, A. Zanglis¹, E. Georgiou², G. Fountos³, D. Papamichail¹, S. Gerali¹; Annual Congress of the European Association of Nuclear Medicine EANM'09.
48. "Efficiency of Gd₂O₂S:Eu Powder Phosphor as X-ray to Light Converter under Radiographic Imaging Conditions", C.M. Michail, I. G. Valais, A. Toutountzis, I. Seferis, M. Georgousis, **G. Fountos**, A. Samartzis, P. Liaparinos, I. S. Kandarakis and G.S. Panayiotakis, WC 2009, IFMBE Proceedings 25/II,pp. 794-797,2009, (Eds) O. Dossel and W.C. Schegel
49. "Dual Energy Subtraction Angiography: a Simulation Study using the Three Material Approach" A. Toutountzis, **G. Fountos**, C. Michail, A. Samartzis, I. Kandarakis and G. Nikiforidis WC 2009, IFMBE Proceedings 25/II,pp. 913-916, 2009, (Eds) O. Dossel and W.C. Schegel

50. “Assessment of Image Quality in SPECT Systems via the Implementation of a Novel Flood Source Technique” **G. Fountos**, A. Zanglis, C. Michail, I. Kalatzis, D. Cavouras, A. Samartzis, E. Kounadi, P. Valsamaki, S. Gerali, G. Nikiforidis and I. Kandarakis, WC 2009, IFMBE Proceedings 25/II, pp. 802-805, 2009, (Eds) O. Dossel and W.C. Schegel
51. “The use of the modulation transfer function for comparison and image quality assessment of commercially available hybrid PET-CT scanners”, A. Samartzis, I. Kalatzis, **G. Fountos**, D. Cavouras, I. Datsaris, E. Kounadi, L. Papaspyrou, I. Kandarakis, G. Nikiforidis, ECR 2010 Vienna