

Curriculum Vitae

Name: Vasileios Giannetas
Citizenship: Greek
Date/Place of birth: 24-6-1949, Athens
Marital status: Married, 2 children
Position: Professor
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EDUCATION

B.S. in Physics, Univ. of Patras, Greece (1973)

PhD in Physics of Lasers, Univ. of Patras, Greece (1986)

ACADEMIC POSITIONS

2010 - Professor of Laser Development & Applications, Dept. of Physics, Univ. of Patras,
2005 - 2010 Associate Prof. Dept. of Physics, Univ. of Patras
1996 – 2005 Assistance Professor, Dept. of Physics
1986 - 1996 Lecturer, Dept. of Physics, Univ. of Patras

RESEARCH INTERESTS

Laser Development, Optics, Laser Spectroscopy, Time Resolve Spectroscopy, Laser Microscopy, Two photon Absorption, Optical Memories, Nonlinear Optics, Applications of Lasers

TEACHING ACTIVITIES

Teaching of several undergraduate and graduate courses: General Physics, Laser Physics, Applied Optics, Physics of Optics & Lasers, Optics and Waves Experiments (Laboratory), Laser Experiments (Laboratory)

Supervisor of more than 20 Diploma Theses, 3 Master Theses and 2 PhD Theses at the Departments of Physics of the Univ. of Patras

Co- Supervisor of more than 10 Master Theses and 7 PhD Theses at the Departments of Physics of the Univ. of Patras

SCIENTIFIC & RESEARCH ACTIVITIES

Co-Author of about 45 research papers in international scientific journals, 2 chapters in books,

More than 30 papers in special volumes of international conferences,

About 300 citations by other scientists.

Reviewer of several scientific journals: Optics Communications, Chemical Physics Letters, Applied Physics B, JOSA B, The Journal of Physical Chemistry

Organizer and co-organizer of several International and National Scientific Conferences.

Scientific responsible of 3 National research projects & member of the research group of 5 National research projects

PUBLICATIONS IN SCIENTIFIC JOURNALS

A1. P. Persephonis, B. Giannetas, R. Rigopoulos,

"A quadruple transmission line Nitrogen laser".

Rev. Phys. Appl. 18 pp.295-300, 1983.

A2. P. Persephonis, B. Giannetas, R. Rigopoulos,

"The performance of a multiple line N₂ laser".

Rev. Phys. Appl. 18 pp.731-735, 1983.

A3. B. Giannetas, P. Persephonis, R. Rigopoulos.

"Observations on the power of a N₂ laser".

Rev. Phys. Appl. 20 pp.671-678, 1985.

A4. P. Persephonis, B. Giannetas, J. Parthenios, C. Georgiades, A. Ioannou.

"Capacitance allocation and its role in the performance of doubling circuit pulsed gas lasers: Its application to the N₂ laser".

IEEE J. Quantum Electron, 29, No. 8, pp. 2371-2378, 1993.

A5. P. Persephonis, B. Giannetas, C. Georgiades, J. Parthenios, A. Ioannou,

"The influence of the external circuit on arc-discharge of a spark-gap: Its application to a pulsed gas laser",

IEEE J. Quantum Electron, 31, No 3, pp. 567-572, 1995.

A6. P. Persephonis, B. Giannetas, C. Georgiades, J. Parthenios, A. Ioannou,

"The inductance and resistance of the discharge in a pulsed gas laser",

IEEE J. Quantum Electron, 31, No 3, pp. 573-581, 1995.

A7. P. Persephonis, B. Giannetas, J. Parthenios, C. Georgiades, A. Ioannou.

"Optimization of the optical output in a C-to-C pulsed gas laser".

IEEE J. Quantum Electron, 31, No 6, pp. 1059-1063, 1995.

A8. P. Persephonis, V. Giannetas, A. Ioannou, J. Parthenios and C. Georgiades.

"The time dependent Resistance and Inductance of the Electric Discharges in Pulsed Gas Lasers".

IEEE J. Quantum Electron, 31, No 10, pp. 1779-1783, 1995.

A9. P. Persephonis, V. Giannetas, J. Parthenios, A. Ioannou and C. Georgiades.

"The electric behavior of a Capacity-Transfer-Type Pulsed Gas Laser".

Jpn J. Appl Phys, 34, No 10, (Part 1), pp. 5801-5806, 1995.

A10. P. Persephonis, V. Giannetas, A. Ioannou, J. Parthenios and C. Georgiades.

"Time history of the resistance and inductance in a pulsed electric discharge".

Jpn J. Appl Phys, 34, No 11, (Part 1), pp. 6226-6229, 1995.

A11. P. Persephonis, V. Giannetas, A. Ioannou, J. Parthenios and C. Georgiades.

"The time evolution of the resistances and inductances of the discharges in a pulsed gas laser through its current waveforms".

IEEE T. Plasma Sci, 24, pp.1208-1214, 1996.

A12 P. Persephonis, A. Ioannou, J. Parthenios, C. Georgiades and V. Giannetas.

"Numerical Analysis of the electrical and optical behavior of a pulsed gas laser through time dependent resistances and inductances".

Appl. Phys. B-photo, 66, pp. 39-46, 1998.

A13. M. Fakis, J. Polyzos, G. Tsigaridas, J. Parthenios, A. Fragos, V. Giannetas, P. Persephonis, J. Mikroyannidis

"Novel class of pyrylium dyes with high efficiency in lasing and two-photon absorption fluorescence".

Chem. Phys. Lett. 323, pp. 111-116, 2000.

A14. J. Polyzos, G. Tsigaridas M. Fakis, J. Parthenios, A. Fragos, V. Giannetas, P. Persephonis, J. Mikroyannidis

"Examination of the spatial distribution of Dyes and Polymers in Thin Films by Two-Photon Microscopy".

Chemical Monthly, 132, pp. 169-175, 2001.

Also in the book "Molecular Materials and Functional Polymers", 2001 Springer-Verlag, Wien, p. 169

A15. M. Fakis, G. Tsigaridas, J. Polyzos, V. Giannetas, P. Persephonis, I. Spiliopoulos, J. Mikroyannidis

"Intensity dependent nonlinear absorption of pyrylium chromophores".

Chem. Phys. Lett., 342, pp. 155 – 161, 2001

A16. M. Fakis, J. Polyzos, G. Tsigaridas, V. Giannetas, P. Persephonis, I. Spiliopoulos, J. Mikroyannidis

"Laser action of two conjugated polymers in solution and in solid matrix. The effect of aggregates in the spontaneous and stimulated emission"

Phys. Rev. B, 65, pp. 195-203, 2002

- A17.** G. Tsigaridas, M. Fakis, I. Polyzos, P. Persephonis, V. Giannetas
“Z-scan technique through beam radius measurements”
Appl. Phys. B: Lasers and Optics, 76, pp. 83 – 86, 2003
- A18.** I. Polyzos, G. Tsigaridas, M. Fakis, V. Giannetas, P. Persephonis
“Two-photon absorption properties of novel organic materials for three-dimensional optical memories”
Chem. Phys. Lett. , 369, pp. 264 – 268, 2003
- A19.** G. Tsigaridas, M. Fakis, I. Polyzos, M. Tsibouri, P. Persephonis,
and V. Giannetas
“Z-scan analysis for near-Gaussian beams through Hermite-Gaussian decomposition”,
J. Opt. Soc. Am. B, 20, pp. 670–676, 2003
- A20.** M. Fakis, G. Tsigaridas, I. Polyzos, V. Giannetas, P. Persephonis
“Conjugated polymer in isolated and aggregated chain environments studied by amplified spontaneous emission”
Phys. Rev. B 68 , pp. 035203 , 2003
- A21.** G. Tsigaridas, M. Fakis, I. Polyzos, P. Persephonis, V. Giannetas
“Z-scan technique for elliptic Gaussian beams”
Appl. Phys. B: Lasers and Optics 77, pp. 71-75, 2003
- A22.** G. Tsigaridas, M. Fakis, I. Polyzos, P. Persephonis, V. Giannetas
“Z-scan analysis for high-order nonlinearities through Gaussian decomposition”
Opt. Commun. 225, pp. 253-268, 2003
- A23.** D. Anastopoulos, G. Tsigaridas, P. Persephonis, V. Giannetas, I. Spiliopoulos, P. Karastatiris, J. Mikroyannidis
“Electro-optic characterization of two novel organic materials in thin polymeric films”
Chem. Phys. Lett. 390, pp. 98-103, 2004

- A24.** M. Fakis, I. Polyzos, G. Tsigaridas, V. Giannetas and P. Persephonis
“Excited state dynamics of a partially conjugated polymer studied by femtosecond fluorescence upconversion spectroscopy”
Chem. Phys. Lett. 394, pp. 372-396, 2004
- A25.** M. Fakis, I. Polyzos, G. Tsigaridas, V. Giannetas, P. Persephonis, I. Spiliopoulos, J. Mikroyannidis
“Dual Amplified Spontaneous Emission and laser action from a model oligo (phenylene vinylene). Comparison with the corresponding polymer”
Opt. Mater. **27**, pp. 503-507, 2004
- A26.** G. Tsigaridas, A. Fragos, I. Polyzos, M. Fakis, A. Ioannou, V. Giannetas, and P. Persephonis
“Evolution of near-soliton initial profiles in nonlinear wave equations through their Backlund transforms”
Chaos, Solitons & Fractals **23**, pp. 1841-1854, 2005
- A27.** John A. Mikroyannidis,^{a*} Peter G. Persephonis^b and Vassilis G. Giannetas^b
“Poly(fluorene)s and Poly(p-phenylene)s with Pyrenyltriazine Segments: Synthesis and Photophysics” Synthetic metals Vol 148, pp293-299, 2005
- A28.** D. Anastopoulos, M. Fakis, I. Polyzos, G. Tsigaridas, P. Persephonis and V. Giannetas
“Study of Isotropic and Anisotropic Fluorescence of Two Oligothiophenes by Femtosecond Time Resolved Spectroscopy” The Journal of Physical Chemistry J Phys Chem B. 109, pp. 9476-9481, 2005.
- A29.** I. Polyzos, G. Tsigaridas, M. Fakis, V. Giannetas and P. Persephonis
“Three photon induced photobleaching in a three-dimensional memory material”
Opt. Lett. 30, pp. 2654-2656, 2005

«It has been selected for the November 2005 issue of “Virtual Journal of Ultrafast Science”. The Virtual Journal, which is published by the American Physical Society and the American Institute of Physics in cooperation with numerous other societies and publishers, is an edited compilation of links to articles from participating publishers, covering a focused area of frontier research».

Access the Virtual Journal at <http://www.vjultrafast.org>.

- A30.** I. Polyzos, G. Tsigaridas, M. Fakis, V. Giannetas, P. Persephonis, and J. Mikroyannidis
“Substituent effect on the Photobleaching of Pyrylium salts under ultra-short pulsed illumination.”
J Phys Chem B. 110, pp 2593-2597, 2006
- A31.** D. Anastopoulos, M. Fakis, V. Giannetas, P. Persephonis and J. Mikroyannidis
“Excitation Energy transfer in a cationic water-soluble conjugated co-polymer studied by time resolved anisotropy and fluorescence dynamics”
Chemical Physics Letters 421, (2006), 205–209
- A32.** G. Tsigaridas, I. Polyzos, V. Giannetas and P. Persephonis
“Compensation of nonlinear absorption in a soliton communication system”
Chaos, Solitons & Fractals 35, pp. 151-160 (2006)
- A33.** M. Fakis, D. Anastopoulos, V. Giannetas, P. Persephonis and J. Mikroyannidis
“Femtosecond time resolved fluorescence dynamics of a cationic water-soluble poly(fluorenevinylene-co-phenylenevinylene)”
J. Phys. Chem. B 110, (2006) 12926-12931
- A34.** G. Tsigaridas, I. Polyzos, P. Persephonis and V. Giannetas
“A novel approach for analyzing open Z-scan experiments
Opt. Commun. Vol. 266 (2006) pp. 284-289
- A35.** M. Fakis, D. Anastopoulos, V. Giannetas, P. Persephonis
“Influence of aggregates and solvent aromaticity on the emission of conjugated polymers”
J. Phys. Chem. B 110, (2006), 24897-24902
- A36.** D. Anastopoulos, M. Fakis, G. Mousdis, V. Giannetas, P. Persephonis

"Fluorescence and anisotropy dynamics of a –CHO substituted terhiophene",
Synthetic Metals 157, (2007), 30–34

- A37.** I. Ftilis, M. Fakis, I. Polyzos, V. Giannetas, P. Persephonis, P. Vellis and J. Mikroyannidis,

"A two-photon absorption study of fluorene and carbazole derivatives. The role of the central core and the solvent polarity" *Chem. Phys. Lett.* 447, (2007), 300-304

- A38.** Ioannis Ftilis, Mihalis Fakis, Ioannis Polyzos, Vassilis Giannetas, Peter Persephonis, J. Mikroyannidis,

"Strong two-photon absorption and photophysical properties of symmetrical chromophores with electron accepting edge substituents" *J. Phys. Chem. A* (2008), 112, 4742 – 4748.

- A39.** M. Fakis, I. Ftilis, S. Stefanatos, P. Vellis, J. Mikroyannidis, V. Giannetas, P. Persephonis,

"Photophysics and two-photon absorption of a series of quadrupolar and tribranched molecules. The role of the edge substituent" *Dyes and Pigments* 81, (2009), 63 - 68

- A40.** M. Fakis, V. Gianneta, P. Persephonis, V. Giannetas and A. G. Nassiopoulou

"Photoluminescence in the blue spectral region from fluorene molecules embedded in porous anodic alumina thin films on silicon" *Optical Materials* 31 (2009) 1184-1188

- A41.** M. Fakis, F. Zacharatos, V. Gianneta, P. Persephonis, V. Giannetas and A. G. Nassiopoulou

"Photoluminescence properties of porous silicon/fluorene dye composites"

Materials Science and Engineering B 165 (2009) 252-255

- A42** G. Tsigaridas, P. Persephonis and V. Giannetas, *"Effects of nonlinear absorption on the Z-scan technique through beam dimension measurements"*, *Materials Science and Engineering B* 165 (2009) 182-185

- A43** I.A.Trantakis, M. Fakis, S. S.Tragoulias, T. K. Christopoulos, P. Persephonis, V. Giannetas, P. Ioannou, **"Ultrafast Fluorescence Dynamics of Sybr Green I/DNA Complexes"** *Chemical Physics Letters* 485 (2010) 187-190
- A44** M. Fakis, V. Giannetas, J. Mikroyanidis **"Ultrafast solvation and anisotropy dynamics in a tri-branched molecule based on a tri-phenylamine core"** accepted)
- A45** I. Fitisilis, M. Fakis,*, I. Polyzos, V. Giannetas, P. Persephonis **"Two-photon polymerization of a diacrylate using fluorine photoinitiators-sensitizers"** *Journal of Photochemistry and Photobiology A: Chem.* vol. 215 (2010) p. 25–30

CHAPTERS IN BOOKS

- AA1.** M. Fakis, I. Polyzos, G. Tsigaridas, V. Giannetas, and P. Persephonis, **"Novel materials for laser action and two-photon absorption fluorescence. New experimental technique for measuring nonlinear refractive indices"**

Book, *Recent Research Developments in Applied Physics* (published by Transworld Research Network), vol. 7, (2004) 1-18

- AA2.** I. Polyzos, M. Fakis, G. Tsigaridas, V. Giannetas, and P. Persephonis, **"Photo-physics involved in the excitation of pyrylium salts under ultra-short pulsed illumination"**, Book: *"Trends in Optical Materials Research"*, Nova Publishers Inc, NY 11788, (2007) 113-135

PRESENTATIONS IN INTERNATIONAL CONFERENCES

- B1.** P. Persephonis, B. Giannetas and R. Rigopoulos.

"Calculation of the Ambipolar Diffusion coefficient through lasing action in gases". *Proceedings of the Int. Conference "Laser Technologies in Industry".Porto-Portugal (June 1988), SPIE Vo. 952 808-814 (1988).*

B2. P. Persephonis and B. Giannetas

"Light output instabilities in pulsed gas lasers". Proceedings of the Conference "New Laser Technologies and Applications". *Ancient Olympia Greece (June 1988). Italian Physical Society p. 477-486 (1988).*

B3. P. Persephonis, B. Giannetas, J. Parthenios and C. Georgiadis.

"Electrical discharges investigation in pulsed gas laser" Proceedings of the International Congress "Optical Science & Engineering " ECO 4. Hague, The Netherlands (March 1991) SPIE Vol. 1503, pp 185-191, 1991.

B4. P. Persephonis, J. Parthenios, C. Georgiadis, P. Persephonis, B. Giannetas.

"Determination of time dependent parameters on pulsed gas lasers". Proceedings of the 1st General Conference of the Balkan Physical Union. Sept. 1991, Thessaloniki, Greece, Vol. II, pp. 79- 81, 1991.

B5. P. Persephonis, B. Giannetas, J. Parthenios, C. Georgiadis, A. Ioannou

"A method of measuring current in pulsed gas lasers". Proceedings of the 9th International Symposium on Gas Flow and Chem. lasers. (GCL Sept. 1992 ELOUNDA CRETE), SPIE vol. 1810, pp. 191- 195, 1992.

B6. Z.X. Jiang, V. Giannetas, A. Charlton, T.A. King.

"New, tunable, flashlamp pumped solid state Ti:Sapphire laser for laser lithotripsy".

Biomedical Optics 93. Los Angeles, California 6-22/1/93, SPIE vol. 1879

B7. P. Persephonis, B. Giannetas, A. Ioannou, J. Parthenios, C. Georgiadis.

"Determination of the electrical characteristics of the discharges in a pulsed gas laser through its current waveforms". Proc. of the 10th Int. Symposium on Gas flow and Chem. Lasers, GCL. Friedrichshafen, Germany (September 1994), SPIE vol. 2502, pp. 440-445, 1995.

B8. P. Persephonis, A. Ioannou, J. Parthenios, C. Georgiades and V. Giannetas.

"The time evolution of the electric characteristics of a laser discharge through their waveforms of the voltage and the current". Proceedings of the 5th International Conference on Industrial Lasers & Laser Applications ILLA Moscow, Russia (June 1995), SPIE, vol, pp. 1995.

B9. P. Persephonis, V. Giannetas, C. Georgiades, J. Parthenios and A. Ioannou.

"The electrical characteristics of a discharge in a pulsed gas laser". Proceedings of 2nd GR-I International Conference on New Laser Technologies and Applications". Ancient Olympia Greece (June 1997), SPIE, vol 3423, pp. 72-77, 1998.

B10. P. Persephonis, J. Parthenios, A. Ioannou and V. Giannetas.

"The role of the capacitances in the performance of a pulsed gas laser. An application to the N₂ laser". Proceedings of the GCL HPL 98 XII International Symposium on Gas Flow and Chemical Lasers - High Power Conference .St. Petersburg, Russia, (September 1998) SPIE, vol 3574, pp. 630-636, 1998.

B11. M. Fakis, J. Polyzos, G. Tsigaridas, J. Parthenios, A. Fragos, V. Giannetas, P. Persephonis, J. Mikroyannidis

"Investigation of laser performance and two-photon absorption fluorescence of new pyrylium dyes" Conference on "Molecular materials and functional polymers for advanced devices" Patras, Greece, June 2000

B12. D. Anastopoulos, V. Giannetas, P. Persephonis, D. Zevgolis

"Electro-optic characterization of DRI doped PMMA films by use of waveguide sample geometry" Proceedings of the International Conference of Deutsche Physikalische Gesellschaft Leipzig, March 2002

B13. M. Fakis, I. Polyzos, G. Tsigaridas, V. Giannetas, P. Persephonis, J. Mikroyannidis

"A partially conjugated poly(phenylenevinylene) as a blue emitting laser medium" 3rd GR-I International Conference on NEW LASER Technologies and Applications (Patras Sept 5-8, 2002), SPIE vol. 5131, p.323

B14. I. Polyzos, G. Tsigaridas, M. Fakis, V. Giannetas, P. Persephonis, J. Mikroyannidis

"Three dimensional data storage in photonic materials based on pyrylium salts by two photon induced photobleaching" 3rd GR-I International Conference on NEW LASER Technologies and Applications (Patras Sept 5-8, 2002), SPIE vol. 5131, p.177

B15. G. Tsigaridas, M.Fakis, I. Polyzos, V. Giannetas, P. Persephonis.

“Z-scan technique through beam dimensions measurements” 3rd GR-I International Conference on NEW LASER Technologies and Applications (Patras Sept 5-8, 2002), SPIE vol. 5131, p.24

- B16.** D. Anastopoulos, G. Tsigaridas, I. Spiliopoulos, A. Ioannou, J. Mikroyannidis, P. Persephonis, D. Zevgolis V. Giannetas
“Study of electro-optic effects in organic chromophores by use of a waveguide geometry” 3rd GR-I International Conference on NEW LASER Technologies and Applications (Patras Sept 2002)
- B17.** M. Fakis, G. Tsigaridas, I. Polyzos, V. Giannetas, P. Persephonis, I. Spiliopoulos, J. Mikroyannidis
“Two-photon and excited-state absorption of pyrylium dyes studied through the z-scan technique” 3rd GR-I International Conference on NEW LASER Technologies and Applications (Patras Sept 5-8, 2002), SPIE vol. 5131, p.284
- B18** Anastopoulos¹, M Fakis¹, I Polyzos¹, G Tsigaridas¹, G Mousdis², P Persephonis¹ and V Giannetas¹
“Time-resolved spectroscopy of oligothiophenes using the femtosecond fluorescence upconversion technique.” Microelectronics Microsystems and Nanotechnology, 2004 International Conference, November 2004, Athens (Greece), J. Phys. Conf. Series 10 (2005) 230-243
- B19.** G Tsigaridas, M Fakis, I Polyzos, V Giannetas and P Persephonis
“On the measurement of high-order refractive nonlinearities through the Z-scan technique” Microelectronics Microsystems and Nanotechnology, 2004 International Conference, November 2004, Athens (Greece), J. Physics: Conf. Series 10 (2005) 242-245
- B20.** I Polyzos¹, G Tsigaridas¹, M Fakis¹, V Giannetas¹, P Persephonis¹ and J Mikroyannidis²
“High-order photobleaching of pyrylium salts under two-photon excitation”
Microelectronics Microsystems and Nanotechnology, 2004 International Conference, November 2004, Athens (Greece), J. Phys. Conf. Series 10 (2005) 234-247
- B21.** M Fakis¹, I Polyzos¹, G Tsigaridas¹, V Giannetas¹, P Persephonis¹ and J Mikroyannidis²
“The effect of aggregates on the decay dynamics of a conjugated polymer studied by femtosecond time resolved spectroscopy” Microelectronics Microsystems and

Nanotechnology, 2004 International Conference, November 2004, Athens (Greece), J. Phys. Conf. Series 10 (2005) 238-241

B22. G. Tsigaridas, I. Polyzos, V. Giannetas and P. Persephonis

“Effects of two-photon absorption on the propagation of optical solitons”

ICCMSE 2005 International Conference, October 2005, Loutraki (Greece)

B23. M. Fakis, D. Anastopoulos, V. Giannetas, P. Persephonis, P. Karastatiris, I. Spiliopoulos, I. Mikroyannidis

“Photonic and electronic properties of a conjugated polymer emitting in the blue-green spectral region”. Věra Cimrová, *Nanotechnology in Northern Europe, NTNE 2006, May 2006, Helsinki, Finland*

B24. I. Polyzos, G. Tsigaridas, M. Fakis, V. Giannetas and P. Persephonis

“Investigation of photobleaching as a recording mechanism for three –dimensional data storage”. *Nanotechnology in Northern Europe, NTNE 2006, May 2006, Helsinki, Finland*

B25. M. Fakis, D. Anastopoulos, V. Giannetas, P. Persephonis

“Interchain interaction in conjugated polymers on the nanoscale studied by femtosecond laser spectroscopy”. *3rd Workshop on Nanosciences and Nanotechnology, 10-12 July 2006 Thessaloniki, Greece*

B26. I. Polyzos, G. Tsigaridas, M. Fakis, V. Giannetas, P. Persephonis,

“Nonlinear absorption as a tool for three-dimensional optical recording in thin films”. *3rd Workshop on Nanosciences and Nanotechnology, 10-12 July 2006 Thessaloniki, Greece*

B27. I. Ftilis, I. Polyzos, M. Fakis, G. Tsigaridas, V. Giannetas, P. Persephonis, I. Mikroyannidis,

“New Two-Photon Absorbing Oligofluorene Derivatives. The Role Of Solvent-Solute Interactions”. *3rd Workshop on Nanosciences and Nanotechnology, 10-12 July 2006 Thessaloniki, Greece*

B28. G. Tsigaridas, I. Polyzos, D. Anastopoulos, I. Ftilis, V. Giannetas and P. Persephonis,

“Efficient calculation of the nonlinear absorption coefficient through open Z-scan experiments”, *Nanotechnology in Northern Europe (NTNE 2006)*, 16-18 May 2006, Helsinki, Finland

B29. M. Fakis, P. Persephonis, V. Giannetas, F. Zacharatos, V. Gianneta, A. G. Nassiopoulou. ***“Photoluminescence of Fluorene Chromophores Embedded into Porous Silicon”*** 5th International Conference on Nanosciences & Nanotechnologies - NN08 (Thessaloniki 14-16 July 2008)

B30. I. Ftilis, M. Fakis, I. Polyzos, V. Giannetas, P. Persephonis, ***“Development of 3D Structures using the Two-photon Polymerization Technique”*** 5th International Conference on Nanosciences & Nanotechnologies - NN08 (Thessaloniki 14-16 July 2008)

B31. G. Tsigaridas, P. Persephonis and V. Giannetas , ***“Simultaneous Measurement of Nonlinear Refraction and Absorption through a Novel Z-scan Technique”***, 5th International Conference on Nanoscience and Nanotechnology (NN08), Aristotle University of Thessaloniki, 14-16 July 2008

B32. I. Ftilis, M. Fakis, I. Polyzos, V. Giannetas, P. Persephonis ***“Two-photon microfabrication using a new fluorene based photoinitiator”***

6th International Conference – NN09 of Nanosciences & Nanotechnologies, Thessaloniki, Greece, 13-15 July 2009

B33. M. Fakis, I. Trantakis, S. Tragoulias, T. Christopoulos, V. Giannetas, P. Persephonis ***“Fluorescence time resolved studies of Sybr Green I/DNA complexes in the femtosecond regime”***, Emerging Trends and Novel Materials in Photonics, ICO Photonics, Delphi, 7-9 November 2009

B34. I. Ftilis, M. Fakis, I. Polyzos, V. Giannetas, P. Persephonis ***“Comparison of two-photon polymerization with the use of two fluorene derivative photoinitiators”***, Emerging Trends and Novel Materials in Photonics, ICO Photonics, Delphi, 7-9 November 2009

B35. K. Pipergias, D. Yiasemides, E. Reppa, N. Merlemis V. Giannetas and T. Eftimiopoulos ***“ VUV generation by adiabatically expanded and excited by a DC electrical discharge Argon gas”***, Emerging Trends and Novel Materials in Photonics, ICO Photonics, Delphi, 7-9 November 2009

