



Europass Curriculum Vitae



Personal information

Surname(s) / First name(s) **PASCU Mihail Lucian**

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Nationality Romanian

Date of birth 05.01.1946

Gender Male

Desired employment / Occupational field

Work experience

| | |
|--------------------------------------|---|
| Dates | December 2006 - onwards |
| Occupation or position held | Senior Research Scientist; Professor |
| Main activities and responsibilities | Head of Laser Spectroscopy Group; Professor at Physics Faculty, University of Bucharest; PhD head. Tunable lasers and laser spectroscopy. Laser spectroscopy and optics of biomolecular systems. Development of new methods to fight resistance to treatment acquired by bacteria and tumors; nanophysics and nanomedicine methods (generation of nanodroplets containing modified medicines) included. Lasers and optics applications in pollution control. Chaos in laser systems. Physics of micro- and nano-droplets. Spectroscopy of droplets. Econophysics. Optofluidics. |
| Name and address of employer | National Institute for Laser, Plasma and Radiation Physics; Laser Department, 409 Atomistilor str., Magurele, Ilfov, 077125, Romania |
| Type of business or sector | Research and Education |
| Dates | January 2004 – November 2006 |
| Occupation or position held | National Detached Expert |
| Main activities and responsibilities | Science Officer: Medicine and Health; Biomedicine and Molecular Biosciences |
| Name and address of employer | European Science Foundation: COST Office, 149 Avenue Louise, 1050 Brussels, Belgium Tel : (32-2) 533 38 10 ; Fax : (32-2) 533 38 93 Address of the European Science Foundation: 1, quai Lezay-Marnesia, BP 90015 67080, Strasbourg Cedex, France; Tel: (33-3) 88 76 71 00; Fax: (33-3) 88 37 05 32; http://www.esf.org/ |
| Type of business or sector | Management of a COST Domain; Organising forward look conferences and strategic workshops. |
| Dates | September 2001 – December 2003 |
| Occupation or position held | National Detached Expert |

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| Main activities and responsibilities | Science Office: Medicine and Health; Biomaterials |
| Name and address of employer | European Commission – DG Research, Sq de Meeus, Brussels |
| Type of business or sector | Management of COST Domains |
| Dates | January 1990 – September 2001 |
| Occupation or position held | Senior Research Scientist; Professor |
| Main activities and responsibilities | Head of Laser Spectroscopy Group; Professor at Physics Faculty, University of Bucharest; PhD head |
| Name and address of employer | National Institute for Laser, Plasma and Radiation Physics; Laser Department, 409 Atomistilor str., Magurele, Ilfov, 077125, Romania |
| Type of business or sector | Research and Education |
| Dates | August 1983 – January 1990 |
| Occupation or position held | Senior Research Scientist |
| Main activities and responsibilities | Director of the Institute of Physics and Technology of Radiation Devices. Tunable lasers and laser spectroscopy. Laser medical equipment. Laser spectroscopy and optics of biomolecular systems. Lasers and optics applications in pollution control. |
| Name and address of employer | Institute of Physics and Technology of Radiation Devices; Laser Department, 409 Atomistilor str., Magurele, Ilfov, 077125, Romania |
| Type of business or sector | Research and Education; Management |
| Dates | March 1974 – August 1983 |
| Occupation or position held | Research Scientist |
| Main activities and responsibilities | Tunable (dye) lasers and laser spectroscopy. Lasers and optics applications in pollution control. Laser medical equipment. Laser spectroscopy and optics of biomolecular systems. |
| Name and address of employer | Institute of Physics and Technology of Radiation Devices; Laser Department, 409 Atomistilor str., Magurele, Ilfov, 077125, Romania |
| Type of business or sector | Research and Education |
| Dates | January 1972 – March 1974 |
| Occupation or position held | Assistant Research Scientist |
| Main activities and responsibilities | PhD student in Optics and Cold Plasma Spectroscopy |
| Name and address of employer | University of Texas at Dallas, Physics Faculty, Richardson, TX, USA |
| Type of business or sector | Research |
| Dates | March 1969 – January 1972 |
| Occupation or position held | Assistant Research Scientist (stagiaire) |
| Main activities and responsibilities | Beginner/stagiaire research scientist in the field of optics of the solid state |
| Name and address of employer | Institute of Physics Bucharest, Romanian Academy, Bucharest, Romania |
| Type of business or sector | Research |

Education and training

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| Dates | September 2001 - January 2004 |
| Title of qualification awarded | Up-graded personnel at EC |
| Principal subjects/occupational skills covered | These were made at the European Commission, DG. Research and ESF: - Training on how to give interviews to TV stations - Training on how to communicate as EC employee: phone conversations, interviews, etc - Training course for German language |
| Name and type of organisation providing education and training | - European Commission DG – RTD, COST Secretariat - European Science Foundation, COST Office |
| Level in national or international classification | It was not mentioned after giving the final tests. |
| Dates | October 1985 – June 1987 |
| Title of qualification awarded | Graduated with degree in management of research institutes and industrial companies |

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| Principal subjects/occupational skills covered | Evening Student; Management of research institutes and economic enterprises |
| Name and type of organisation providing education and training | Ministry of Education, Bucharest |
| Level in national or international classification | Expert |
| Dates | January 1970 - March 1974 |
| Title of qualification awarded | PhD in Physics |
| Principal subjects/occupational skills covered | Optics and Cold Plasma Spectroscopy; Title of the PhD Thesis: "The optical study of the molecular ions in the cold plasma". |
| Name and type of organisation providing education and training | - Faculty of Physics, University of Bucharest, Romania - Faculty of Physics, University of Texas at Dallas, USA |
| Level in national or international classification | PhD |
| Dates | October 1963 – June 1968 |
| Title of qualification awarded | Physicist |
| Principal subjects/occupational skills covered | Optics, Spectroscopy, Plasma, Lasers; title of the master thesis "Light scattering in alkali halide crystals". |
| Name and type of organisation providing education and training | Faculty of Physics Bucharest, University of Bucharest, Romania |
| Level in national or international classification | Master |

Personal skills and competences

Mother tongue(s) Romanian

Other language(s)

Self-assessment
European level ()*

English

French

German

Italian

Russian

| Understanding | | | | Speaking | | | | Writing | |
|---------------|------------------|---------|------------------|--------------------|-----------------|-------------------|-----------------|---------|------------------|
| Listening | | Reading | | Spoken interaction | | Spoken production | | | |
| C2 | Proficient user | C2 | Proficient user | C2 | Proficient user | C1 | Proficient user | C2 | Proficient user |
| C2 | Proficient user | C2 | Proficient user | C2 | Proficient user | C1 | Proficient user | C2 | Proficient user |
| C1 | Proficient user | B2 | Independent user | A2 | Basic user | A2 | Basic user | B2 | Independent user |
| C2 | Proficient user | C1 | Proficient user | C1 | Proficient user | C1 | Proficient user | B1 | Independent user |
| B2 | Independent user | B2 | Independent user | A2 | Basic user | A2 | Basic user | A2 | Basic user |

Social skills and competences

- team work: I founded a research team (in average 15 members) which is 42 years old and still performing; as head of this research group I constantly won projects at competitions and I assured cooperations with other research groups within the respective projects, international cooperation included.
- I was, for 8 years director of my research institute which had 830 members (categories of personnel: university professors, senior research scientists, PhDs, young researchers, students – thesards, technicians, workers, laborants); I assured the interface of my institute with institutes and institutions in Romania and other countries, with Government institutions and Romanian state authorities; I successfully head International projects (bilateral, UNDP etc). As director of my institute I coordinated national research programs such as: lasers and applications, physical methods in pollution control, plasma physics program, lasers in life sciences, lasers applications in medicine and biology etc.
- I worked in International environment for more than 8 years and particularly, between 2001 and 2006 at COST as END at EC COST Secretariat and at ESF COST Office. I coordinated COST networks including more than 3000 scientists from more than 35 COST countries, EU near neighbor countries, other countries (such as USA, Japan, China, India, Korea, Brasil, Canada, South Africa, Australia, New Zealand etc) as well.

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| Organisational skills and competences | <ul style="list-style-type: none"> - I organized and financed (raised funds whenever necessary) more than 220 international scientific conferences having the number of participants – function of the conference - from 10 to 900. Typically, I organized/approved and financed more than 110 COST meetings. - I organized COST strategic meetings such as: Environment and health (implying: 3 COST domains, EC DG RTD, JRC, EU Council, ESF, ESF-EMRC, ESF-LESC, NATO, EUREKA, WHO, etc), Food and Health (3 COST domains, EC DG RTD, EC DG SANCO, EC DG Agri, ESF, EU Council, EUREKA, WHO, EFSA, etc implied), COST-NATO Strategic meeting on Food Security and Safety (implying: 3 COST domains, NATO Science for Peace, EC DG RTD, ESF, JRC, etc). - Presentation of COST days in separate meetings or meetings joint with other initiatives in areas such as: West Balkans, Romania joined with Republic of Moldova, Region Veneto-Padova, Region Valee de la Loire – Angers, Bulgaria, Austria etc. - Recommendation of experts to evaluate national research strategies in Spain and Romania. - As Director of a research institute I organised research laboratories dedicated to both, fundamental and applied research (small scale production included), I organised and head competitions to promote different categories of personnel, I acted as manager of the institute supervising the economical issues, I organised the institute to solve the scientific programs it was responsible for, from basic and applied research up to small scale production. |
| Technical skills and competences | <ul style="list-style-type: none"> - Syntheses and coordination of national research programs in Romania. - Heading of International scientific cooperation programs such as: UNDP, French-Romanian networks (Reseaux Formation-Recherche) for research and education, bilateral cooperation programs in science. - Syntheses concerning evaluations of research programs, COST domains and networks. - Publication of books as co-author. - As COST science officer, financing of publication of results by groups of scientists participating in COST networks. - Evaluation of: projects proposals and results, programmes, etc. I am currently EC expert evaluator, expert evaluator in Romania for the National Programme for Research and Development (ANCS - PNCD) and for the National Council for Scientific Research in the High Education System (CNCSIS). I am also expert/evaluator for Belgian, Polish and Portuguese research programmes. |
| Computer skills and competences | Windows, Office Pack, web sites content, coreldraw / other graphics programs, chemwind, matematica, etc. |
| Artistic skills and competences | At advised amateur level: music, philosophy of science. |
| Other skills and competences | Cooking (at amateur level) |
| Driving license | Category B, since 1972. |
| Additional information | Publications (see Annex 4) |
| Annexes | ANNEX 1: MEMBERSHIP OF INTERNATIONAL SOCIETIES ANNEX 2: MEMBER OF NATIONAL & INTERNATIONAL SCIENTIFIC COMMITTEES ANNEX 3: INTERNATIONAL JOURNAL BOARDS MEMBER ANNEX 4: PUBLICATIONS ANNEX 5: WORKING STAGES ABROAD ANNEX 6: ACADEMIC RESPONSIBILITIES ANNEX 7: HEAD OF NATIONAL AND INTERNATIONAL PROJECTS OR EQUIVALENT ANNEX 8: HONORS AND AWARDS: ANNEX 9: SELECTED LIST OF COST ACTIONS/NETWORKS, ACTIVITIES AND TECHNICAL COMMITTEES FOR WHICH I WAS RESPONSIBLE SCIENCE OFFICER |

MEMBERSHIP OF INTERNATIONAL SOCIETIES

1. Centro Superiore di Logica e Scienze Comparate, Bologna, Italy; since 1972.
2. Romanian Society for Physics; since 1980.
3. Romanian Society for Lasers in Medicine and Biology; founding member in 1995. President between 1995 and 2001.
4. European Physical Society; since 1983.
5. SPIE; since 1990.
6. European Optical Society; since 1992.
7. European Medical Laser Association; member between 1997 and 2000 and Vicepresident between 1999 and 2000.
8. World Association for Laser Therapy; since 1999.
9. International Academy for Lasers in Medicine, Florence, Italy; founder member in 2000 and member since 2000.
10. Romanian Academy of Medical Sciences (Member of Honor from abroad) since 2001.
11. International Society of Lasers in Medicine and Surgery, München, (Member of the Executive Board of the elected for the period 2005 – 2007).
12. WALA - World Association for Lasers Applications, Saudi Arabia (Member of the Board of Directors); since 2007.
13. Scientific Committee of NESA (New European Surgery Academy), Berlin/Vienna/Frankfurt Am Oder, EU, since 2009.
14. French Academy for Central Europe, since 2010 and head of the Technical Sciences Section of it since 2012.
15. European Laser Association–ELA (Member of the Executive Board); since 2016.

ANNEX 2

MEMBER OF NATIONAL & INTERNATIONAL SCIENTIFIC COMMITTEES (Selected list)

1. International Scientific Committee, IV-th International Conference on Luminescence, Szeged, Hungary, 1982.
2. International Scientific Committee of Trends in Quantum Electronics, 1985 and 1988, Bucharest, Romania.
3. International Scientific Committee of the VIth Int. Workshop on Ultrafast Phenomena in Spectroscopy '89, Neubrandenburg, Germany, 1989.
4. Organizer and member of the Scientific Committee of the French-Romanian Workshop "Lasers Applications in Biology", Bucharest, 1995.
5. International Scientific Committee, IInd Italian-Hungarian Workshop on "Laser Applications in Medicine", Pecs, 1998.
6. International Scientific Committee, VIth Symposium on Analytical Sciences, Valencia, 1998.
7. International Scientific Committee, Chairman of the Org. Committee, VIth Conf. of the European Medical Laser Association, Bucharest, 1998.
8. International Scientific Board and Laser Physics tutorial course director, 1st International Meeting Laser Florence '98, Florence, 1998.
9. International Scientific Committee, VIIth Symposium on Analytical Sciences, Prague, 1999.
10. International Scientific Board and Laser Physics course director, 2nd International Meeting Laser Florence '99, Florence, 1999.
11. International Scientific Committee, 3rd World Association for Laser Therapy, Athens, 2000.
12. Program Committee, 6th ROMOPTO Conference, Bucharest, 2000, 2003, 2006, 2009, 2012.
13. International Scientific Board and Laser Physics course director, 3rd International Meeting Laser Florence 2000, Florence, 2000.
14. Co-chairman of the 14th International Conference on Lasers in Medicine (ICLM), Florence, 2000.
15. International Scientific Committee, VIIth Conference of the European Medical Laser Association, Dubrovnik, Croatia, 2000.
16. International Scientific Board and Laser Physics course director, 4th International Meeting Laser Florence 2001, Florence, 2001.
17. Co -chairman of the 15th International Conference on Lasers in Medicine (ICLM), Florence, 2001.
18. International Advisory Board, IVth World Association for Laser Therapy Congress, Kansas City, USA, 2002.
19. Co-chairman of the 16th International Conference on Lasers in Medicine (ICLM), Florence, 2002.
20. Co-chairman of the 17th International Conference on Lasers in Medicine (ICLM), Florence, 2003.
21. Co-chairman of the 18th International Conference on Lasers in Medicine (ICLM), Florence, 2004.
22. Seventh International Conference of Anticancer Research, member of Organizing Committee, Corfu, Greece, 2004.
23. International Scientific Board of the 19th International Conference on Lasers in Medicine (ICLM), Florence, 2005.
24. International Scientific Board of the 20th International Conference on Lasers in Medicine (ICLM), Florence, 2006.
25. Organizer/participant in more than 200 COST scientific meetings (from Sept. 2001 to Nov. 2006) boards which I also approved for financing.
26. International Scientific Board of the the 21st Int. Conference on Lasers in Medicine (ICLM), Florence, 2007.
27. International Scientific Board of the the 22th Int. Conference on Lasers in Medicine (ICLM), Florence, 2008.
28. Member of the International Scientific Committee of the 23rd Conference on Lasers in Medicine LASER FLORENCE, Florence, 2009.
29. Member of the International Scientific Committee and Chairman of the Local Organising Committee of the Conference of the European Network/Action COST P21 – Physics of Droplets, Parliament House, Bucharest, Romania, May 2009.
30. Member of the International Scientific Committee of the 3rd International Conference on Anti-Aging, AMAA-2009, Eforie Nord, Romania, 2009.
31. Member of the International Scientific Committee of the Yearly Conference of the European network COST BM0701- ATENS, Dublin, 2009.
32. Member of the Programme Committee of the "Micro-to Nano-Photonics II - ROMOPTO 2009", ROMOPTO 2009 International Conference, Sibiu.
33. Member of the International Scientific Committee of the European network COST B30 – NEREPLAS, 2007 – 2010.
34. Member of the International Scientific Committee of the European Network COST BM0601 –NEUROMATH, 2007 – 2011.
35. Member of the International Scientific Committee of the European Network COST BM0605-CONSCIOUSNESS, 2007 – 2011
36. Member of the International Scientific Committee of the European Network COST P21 – Physics of Droplets, 2006 – 2010
37. Member of the International Scientific Committee of the European Network OST BM0701 – ATENS, 2007 – 2012; I was elected Vice-Chair of this European network.
38. Member of the National Platform „Food for Life” (RoTP), Bucharest, 2008-2012.
39. Member of the International Scientific Committee of the 24th Conference on Lasers in Medicine LASER FLORENCE, Florence, 2010.
40. Member of the International Scientific Committee of the 25th Conference on Lasers in Medicine LASER FLORENCE, Florence, 2011.

41. Member of the International Scientific Committee of SPIE – ISWLA, Bran, Romania, 2011.
42. Member of the International Scientific Committee of SPIE – ISCP, Sinaia, Romania, 2012.
43. Chairman of the Local Organising Committee of the final meeting of the COST Action BM0701 – ATENS, Palatul Parlamentului, Bucuresti, 2012.
44. Member of the International Scientific Committee of the 26th Conference on Lasers in Medicine LASER FLORENCE, Florence, 2012.
45. Member of the Programme Committee of the “Micro-to Nano-Photonics III - ROMOPTO 2012”, ROMOPTO 2012 International Conference, Bucharest.
46. Member of the Interantional Scientific Committee of APALMS 2011 (Japan) , 2012 (Taiwan).
47. Member of the International Scientific Committee of COST Action MP1106, Dublin, Ireland, 2012.
48. Member of the Management Committee of the COST Action BM1003, 2010- 2014
49. Member of the Management Committee of the COST Action MP1106, 2011- 2016
50. Member of the Management Committee of the COST Action MP1205, 2013- to date
51. Member of the International Scientific Committee of SPIE – ISCP, Bran, Romania, 2013.
52. Member of the International Scientific Committee of the 26th Conference on Lasers in Medicine LASER FLORENCE, Florence, 2013.
53. Member of the International Scientific Committee of SPIE – ISCP, Orastie, Romania, 2014.
54. Member of the International Scientific Committee of the 27th Conference on Lasers in Medicine LASER FLORENCE, Florence, 2015.
55. Member of the Programme Committee of the “Micro-to Nano-Photonics IV - ROMOPTO 2015”, ROMOPTO 2015 International Conference, Bucharest.

ANNEX 3

INTERNATIONAL JOURNAL BOARDS MEMBER

1. Editorial Board, Photomedicine and Laser Surgery (USA), since 2005
2. Editorial Board, Lasers in Medical Science, (UK), since 2000.
2. Editorial Board, Lasers in Medicine and Surgery (UK), since 2006.
3. Editorial Board, Letters in Drug Design & Discovery - LDDD (US), since 2006.
 - * Guest Editor for the Special Issue Letters in Drug Design & Discovery - LDDD (US), LDDD: vol. 8, issue 2, February 2011: Methods to Fight Multiple Drug Resistance.
4. Editorial Board, International Journal of Radiation Biology, since 2011.
5. Editorial Board, Biochemistry & Pharmacology, since 2012.
6. Editorial Board, DOVE GROUP Journals
7. Reviewer at:
 - * International Journal of Radiation Biology
 - * PLOS ONE
 - * Journal of Biophotonics
 - * Journal of Photochemistry and Photobiology
 - * MOLECULES
 - * Journal of Photochemistry and Photobiology A: Chemistry
 - * Colloids and Surfaces A: Physicochemical and Engineering Aspects
 - * European Journal of Pharmaceutical Sciences
 - * International Journal of Pharmaceutics

EVALUATIONS:

1. Evaluator for the Belgian SEMAPHORE Programme: National Belgian Science Programme; since 2008.
2. Evaluator as COST expert for COST domains.
3. Romanian CNCISIS Programs, since 2005.
4. Romanian ANCS Programs, since 2007.
5. EC DG RTD COST Secretariat / ESF COST Office, since 2002.
6. NINESIGMA JOURNAL, since 2003.
7. Evaluator of COST Office for new COST networks proposals, since 2010.
8. COST EXPERT since 2011.
9. Evaluator for Polish and Portuguese National Research Programmes, since 2015

ANNEX 4

PUBLICATIONS

1. PUBLICATIONS

More than 200 articles published in national or international journals out of which a **selection** is given below:

1.1 Articles (selection) published in international journals indexed in the ISI system:

1. **M.L. Pascu**, The relations between the equations of transformation of the Stokes parameters and the conservation of the energy of the light wave, LASER AND UNCONVENTIONAL OPTICS JOURNAL, CEAS-Sweden, 36:9-16, 1971.
2. D. Popescu, **M.L. Pascu**, C. B. Collins, B. W. Johnson, I. I. Popescu, Use of space charge amplification techniques in the absorption spectroscopy of Cs and Cs₂, PHYS REV A, 8(4): 1666-1672, 1973.

3. C. B. Collins, B. W. Johnson, D. Popescu, **M.L. Pascu**, G. Musa, I. I. Popescu, Multiphoton ionization of molecular caesium with a tunable dye laser, *PHYS REV A*, 8(4): 2197-2201, 1973.
4. L. Nastase, **M.L. Pascu**, G. Musa, Nanosecond currents in gas discharge device, *J PHYS D APPL PHYS.*, 17: 1149-1156, 1984.
5. **M.L. Pascu**, A. Pascu, G. Dumbraveanu, D. Cristu, Computer controlled dye laser spectrophotometer, *J PHYS E SCI INSTRUM*, 19: 54-61, 1986.
6. R. Alexandrescu, I. N. Mihailescu, I. Morjan, V. Jianu, **M.L. Pascu**, F. Bunkin, B. Lukyanchiuk, Thermochemical effects by laser irradiation of some solid compounds, *PHYS STAT SOL*, 104: 687-692, 1987.
7. I. Chis, A. Ciura, V. Draganescu, D. Dragulescu, D. Grigorescu, C. Grigoriu, **M.L. Pascu**, V. Velculescu, M. Abrudean, Design and performance of a high repetition rate TEA CO₂ laser, *J PHYS E SCI INSTRUM.*, 21: 3993-3999, 1998.
8. C. Popa, V. Jianu, R. Alexandrescu, I. Morjan, **M.L. Pascu**, I. N. Mihailescu, Dehydration of some inorganic compounds by CW CO₂ laser irradiation and thermal heating: a comparative study, *THERMOCHIMICA ACTA*, 129: 269-276, 1988.
9. I. Gutu, **M.L. Pascu**, A new design for high power transverse flow CO₂ lasers, *LASER UND OPTOELEKTRONIK*, 24(2): 367-374, 1992.
10. C. Timus, M. Lazarescu, R. Medianu, **M.L. Pascu**, Optical investigations of oxygen doped GaAs, *OPT APPL*, XXII(3-4): 187-193, 1992.
11. M. Enescu, R. Ionescu, G. Dumbraveanu, **M.L. Pascu**, Phosphorescence lifetime studies of interactions between serum albumins and sodium dodecyl sulphate, *PHOTOCHEM PHOTOBIOLOG*, 57(2): 367-372, 1993.
12. M. Lazarescu, E. Elena, A. S. Manea, **M.L. Pascu**, C. Timus, Optical quality GaAs grown from quartz crucible, *CRYST RES TECHNOL*, 28(4): K19-K23, 1993.
13. R. Medianu, **M.L. Pascu**, I. Gutu, Coating method for VRM to be used in high power CW CO₂ laser, *PURE APPL OPT*, 3: 449-455, 1994.
14. F. Bertinotto, **M.L. Pascu**, M. A. Greco, A. Staicu, Research on tunable lasers developed as spectral sources of radiation, *ROM REP PHYS*, 46: 407-412, 1994.
15. R. Stoleru, **M.L. Pascu**, A.M. Dumitras, Frequency doubling of the HeNe laser radiation at 632.8 nm, *PURE APPL OPT*, 5: 119-124, 1996.
16. C. Antipa, **M.L. Pascu**, I. V. Bruckner, A. Podoleanu, V. Stanculescu, M. Beuran, E. Ionescu, Monochromatic coherent and noncoherent infrared light comparative effects in some rheumatic diseases, *LASER SURG MED*, 8: 5-8, 1996;
17. S. Hogiu, **M.L. Pascu**, Optical and spectral properties of chlorophyll, *ROM REP PHYS*, 48(3-4): 205-218, 1996.
18. A. Staicu, **M.L. Pascu**, Remote sensing of atmospheric pollutants, *ROM REP PHYS*, 48(9-10): 841-854, 1996.
19. A. Staicu, **M.L. Pascu**, I. Iova, Differential absorption measurements in laboratory on air samples containing NO₂ as pollutant substance, *ROM REP PHYS*, 48(7-8): 549-553, 1996.
20. N. Moise, **M.L. Pascu**, C. Carp, C. Volvoreanu, Laser detection of atherosclerotic tissues, *ROM REP PHYS*, 49(8-9-10): 875-905, 1997.
21. F. Bertinotto, **M.L. Pascu**, C.M. Ticos, C. Biloiu, A. M. Dumitras, Experimental tunable semiconductor lasers, *ROM REP PHYS*, 49(8-9-10): 811-827, 1997.
22. A. Staicu, **M.L. Pascu**, J.J. ter Meulen, I. Iova, Cavity ring-down spectroscopy on gas traces, *ROM REP PHYS*, 49(5-6-7): 627-638, 1997.
23. R. Stoleru, **M.L. Pascu**, A. M. Dumitras, CW UV laser radiation obtained from a HeNe laser by means of KDP crystals, *ROM REP PHYS*, 49(1-2): 67-75, 1997.
24. S. Hogiu, M. Enescu, **M.L. Pascu**, Dynamic and thermodynamic effect of glycerol on bovine serum albumin in aqueous solution: a tryptophan phosphorescence study, *J PHOTOCHEM PHOTOBIO B*, 40: 55-60, 1997.
25. **M.L. Pascu**, B. Carstocea, G. Popescu, O. Gafencu, S. Apostol, N. Moise, M. Roman, S. Hogiu, Imaging corneal cells using low power laser beams, *LASER MED. SCI.*, 13: 148-154, 1998.
26. **M.L. Pascu**, N. Moise, A. Staicu, Tunable dye laser applications in environment pollution monitoring, *J MOL STRUCT*, 598(1): 57-64, 2001.
27. **M.L. Pascu**, A. Staicu, L. Voicu, S. Truica, R.A. Pascu, B. Carstocea, D. Gazdaru, Spectral properties of methotrexate to be used as photosensitizing substance, *ANTICANCER RES*, 24: 2925-2930, 2004.
28. **M.L. Pascu**, M. Brezeanu, L. Voicu, A. Staicu, B. Carstocea, R.A. Pascu, 5-Fluorouracil as a photosensitizer, *IN VIVO*, 19: 215-220, 2005.
29. C. Ticos, I.R. Andrei, **M.L. Pascu**, Power drop-out control by optical phase modulation in a chaotic semiconductor laser, *J OPT SOC AM B*, 23(12): 2486-2493, 2006.
30. R. A. Pascu, M. Trifu, M. Dumitrescu, A. Mahamoud, A. Staicu, B. Carstocea, **M.L. Pascu**, In vivo studies of the effects of alkyl substituted benzo[b]pyridinium compounds exposed to optical radiation, *ROM REP PHYS*, 3: 899-908, 2008.
31. R. Fumarel, G. Murgoci, P. Albert, A. Hurduc, **M.L. Pascu**, Increase of Cisplatin therapeutical index through optical irradiation: a case study of choroidal metastasis, *ROM REP PHYS*, 3: 877-884, 2008.
32. A. Pascu, M. O. Romanitan, J.M. Delgado, L. Danaila, **M.L. Pascu**, Laser induced fluorescence, measurements on brain tissues *ANAT REC*, 292: 2013-2022, 2009.
33. K. Wendel, O. Väisänen, J. Malmivuo, N. G. Gencer, B. Vanrumste, P. Durka, R. Magjarević, Selma Supek, **M.L. Pascu**, H. Fontenelle, R. G. de Peralta Menendez, EEG/MEG Source Imaging: Methods, Challenges, and Open Issues, *COMPUT INTEL NEUROSC*, 656092 2009.
34. R.A. Pascu, M. Trifu, M. Dumitrescu, A. Mahamoud, A. Staicu, M. Dicu, B. Carstocea, **M.L. Pascu**, In vivo studies of the effects of alkyl substituted Benzo[b]pyridinium compounds exposed to optical radiation (II), *J OPTOELECTRON ADV M-SYMPOSIA*, 1(4): 761-766, 2009.
35. R. Fumarel, G. Murgoci, P. Albert, A. Hurduc, **M.L. Pascu**, Increase of Cisplatin therapeutic index through optical irradiation, *J OPTOELECTRON ADV M-SYMPOSIA*, 1(4): pg. 754-760, 2009.
36. R.G. Fumarel, P. Albert, A. Hurduc, N. Stafidov, **M.L. Pascu**, Studies on the pharmacokinetics of methotrexate by scintigraphic monitoring of [^{99m}Tc] pteridinic derivatives biodistribution, *LETT DRUG DES DISCOV*, 7(2): 98-101, 2010.
37. **M.L. Pascu**, I. R. Andrei, M. Ferrari, A. Smarandache, A. Staicu, A. Mahamoud, V. Nastasa, L. Liggieri, Laser beams resonant interaction with micro-droplets which have a controlled content, *COLLOID SURFACE A*, 365(1-3): 83-88, 2010.
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8. *Semiconductor lasers applications in rheumatology*, **M.L. Pascu**, St. Suteanu, P. Ignat , *Proc of the Int. Congress on Physical Medicine , Balneology and Medical Rehabilitation, Sinaia, Oct. 1992, Rev. de Balneofizioterapie, vol.27, p.397-406*, 1992.
9. *Measuring of water and soil contamination with oil components using laser induced fluoescence transmitted through optical fibers*, N. Moise, A. Vasile, **M.L. Pascu**, *Proc of ROMOPTO'94, SPIE vol. 2461, p.636-643*, Bucharest, 1995.
10. *Studies on tunable lasers as sources for spectroscopy measurements*, F.Bertinetto,**M.L. Pascu**, M.A. Greco, M. Bisi, *Proc of ROMOPTO'94, SPIE vol. 2461, p.317-324*, Bucharest, 1995.
11. *Caracterisation spectroscopique du collagene et du cholesterol par fluoescence et phosphorescence induites laser*, N. Moise, **M.L. Pascu**, C. Carp, *Proc. of The First French-Romanian Workshop "Laser Applications in Biology"*, Bucharest,(Eds.L.Lindqvist, **M.L. Pascu**), *Rom. J. Biophys.*, vol.5, No.4, p.287-294,1995(French language).
12. *Effet du solvant sur la structure et la dynamique structurale des albumins seriques par l'etude du declin de leur phosphorescence*, S.Hogiu, M.Enescu, **M.L. Pascu**, *Proc. of the First French-Romanian Workshop "Laser Applications in Biology"*, Bucharest,(Eds.L.Lindqvist, **M.L.Pascu**), *Rom. J. Biophys.*, vol.5, No.4, p.295-300, 1995 (French language).
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59. *Lasers applications in medicine, surgery and biology: The Romanian Chapter*, **M.L. Pascu**, 3rd International Congress On Anti-Aging Medicine, 2-4 May, 2008, Bucharest,
60. *Lasers Applications in medicine, surgery and biology: The Romanian Chapter*, **M.L. Pascu**, 3rd International Congress on Anti-Aging Medicine & 1st International Congress on Lasers in Medicine and surgery, Bucharest, Romania, 2008.
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96. *Combined laser techniques used to fight multiple resistance to drug treatment developed by bacteria*, **M.L. Pascu**, International Conference on Optics "Micro- to Nano-Photonics III- ROMOPTO 2012", 3-6 Septembrie, Bucuresti, Romania
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Examples for 2008 -2016.

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125. V. Nastasa, A. Smarandache, K. Samaras, T. D. Karapantsios, **M.L. Pascu**, Study of colloidal systems properties in view of their use in medical treatments, International Student Conference on Photonics (ISCP 2014), 23-26 September 2014, Orastie, Romania.
126. S. A. Baleanu, I. R. Andrei, **M.L. Pascu**, Characterization of the LFF chaotic regime of an ECSL system working at and over laser threshold current, 5th International Student Conference on Photonics (ISCP), 23-26 September 2014, Orastie, Romania.
127. A. Smarandache, V. Nastasa, J. Handzlik, K. Kiec-Kononowicz, G.G. James, **M.L. Pascu**, Spectroscopic Studies Of Unexplored Imidazolidines In View Of Their Dna Binding Affinity Characterization, INDLAS 2014, 19-23 May 2014, Bran, Romania.

128. A. Smarandache, V. Nastasa, J. Handzlik, K. Kiec-Kononowicz, J. G. Grote, **M.L. Pascu**, Characterization and DNA binding studies of new hydantoin derivatives by electronic spectroscopy, 5th International Student Conference on Photonics (ISCP), 23-26 September 2014 Orastie, Romania.
129. A. Smarandache, V. Nastasa, A. Stoicu, J. Handzlik, K. Kiec-Kononowicz, **M.L. Pascu**, Spectroscopic and DFT studies of a new hydantoin derivative molecular structure, 5th International Student Conference on Photonics (ISCP), 23-26 September 2014, Orastie, Romania.
130. A. Smarandache, V. Nastasa, A. Stoicu, J. Handzlik, K. Kiec-Kononowicz, **M.L. Pascu**, Spectroscopic Study And Molecular Structure Modeling Of New Hydantoin Derivatives, Annual Scientific Conference (Bucharest University Faculty of Physics 2014 Meeting), 20 June 2014, Bucharest, Romania.
131. A. Dinache, V. Nastasa, S. Alibert, J. M. Pagès, **M.L. Pascu**, Stability studies of quinazoline derivatives designed as EPI's, 5th edition of International Student Conference on Photonics (ISCP 2014), 23-26 September 2014, Orastie, Romania.
132. A. Smarandache, A. Dinache, A. Pascu, I. Andrei, J. Handzlik, K. Kiec-Kononowicz, A. Staicu, **M.L. Pascu**, Spectroscopic investigations of new anticancer drugs and their behavior at the incidence with laser radiation, SPEC 2014 Shedding New Light on Disease, 17-22 August 2014, Krakow, Poland.
133. M. Boni, V. Nastasa, I.R. Andrei, A. Staicu, **M.L. Pascu**, Enhanced fluorescence in pendant micro-droplets that contain emulsions, 5th edition of International Student Conference on Photonics (ISCP 2014), 23-26 September 2014, Orastie, Romania.
134. Stoicu, A. Dinache, **M.L. Pascu**, Analogy of Vancomycin experimental and model spectra, 5th edition of International Student Conference on Photonics (ISCP 2014), 23-26 September 2014, Orastie, Romania.
135. M. Boni, A. Dinache, V. Nastasa, **M.L. Pascu**, Optical studies of Vancomycin modification during foam generation at interaction with laser beams, COST Actions MP1106 and CM1101 Joint Training School Particles at Liquid Interfaces: Fundamentals and Applications, 2-5 April 2014, Bonassola, Italy.
136. M. Boni, I.R. Andrei, A. Staicu, **M.L. Pascu**, Tunable lasers with pendant micro-droplets active media, The 2014 Scientific Communications Session of Physics Faculty, University of Bucharest, 20 June 2014, Bucharest, Romania.
137. M. Boni, I.R. Andrei, V. Nastasa, **M.L. Pascu**, Interaction of laser beams with pendant droplets containing laser dyes, Smart and Green Interfaces Conference, 22-24 April 2014, Marseille, France.
138. V. Nastasa, K. Samaras, M. Trelles, J. Moreno-Moraga T. Karapantsios, **M.L. Pascu**, Polidocanol foam study in view of varicose vein treatment, COST Actions MP1106 and CM1101 Joint Training School Particles at Liquid Interfaces: Fundamentals and Applications, 2-5 April 2014, Bonassola, Italy.
139. A. Stoicu, T. Alexandru, E. Radu, V. Nastasa, **M.L. Pascu**, Chlorpromazine Vibrational Spectroscopy - A Computational Study, International Student Conference on Photonics (ISCP 2014), 23-26 September 2014, Orastie, Romania.
140. **M.L. Pascu**, M. Ferrari, Modification of surface properties of Vancomycin following exposure to UV laser beam, International Student Conference on Photonics (ISCP 2014), 23-26 September 2014, Orastie, Romania.
141. **M.L. Pascu**, Application of laser techniques in the treatment of varicose veins with Polidocanol foam Instituto medico Vilafortuny, 18 February 2014, Tarragona, Barcelona, Spain.
142. **M.L. Pascu**, Laser beams interactions with single pendant droplets, Advances in Optofluidics: Integration of Optical Control and Photonics with Microfluidics, 23-26 April Dublin, Ireland.
143. **M.L. Pascu**, New data about the use of Polidocanol foams in the treatment of varicose veins assisted by Nd:YAG lasers, Instituto Medico Madrid, 21 February 2014, Madrid, Spain.
144. **M.L. Pascu**, The use of nonantibiotics modified by exposure to laser radiation to fight multiple drug resistance, INDLAS 2014, 19-23 May 2014, Bran, Romania.
145. V. Nastasa, M. Boni, I.R. Andrei, A. Staicu, **M.L. Pascu**, *Enhanced fluorescence emission of pendant micro-droplets containing emulsions*, Bubble and Drop 2015, 6-10 July 2015. Potsdam, Germany.
146. V. Nastasa, A. Smarandache, K. Samaras, T. D. Karapantsios, **M.L. Pascu**, *Assessment of colloidal systems stability in view of their use in medical treatments*, Micro- to Nano-Photonics IV- Romopto 2015, 1-4 September 2015, Bucharest, Romania.
147. T. Tozar, A. Stoicu, V. Nastasa, M. Popa, I. R. Andrei, C. M. Chifiriuc, **M.L. Pascu**, *Generation of photo-products with antimicrobial properties by exposing Phenothiazines to UV laser radiation*, 6th Congress of International PhotoTherapy Association, 9-10 July 2015, Nice, France.
148. T. Tozar, A. Dinache, V. Nastasa, M. Boni, Á. Simon, **M.L. Pascu**, *Antimicrobial activity of UV photogenerated non-antibiotic drug in fighting multidrug resistance bacteria*, "New frontiers in regenerative medicine and surgery. Interdisciplinarity, research and clinical applications" International Congress, 12, 15- 16 May 2015, Bucharest, Romania.
149. T. Tozar, M. C. Morán, A. Dinache, A. Smarandache, I. R. Andrei, A. Simon, M. Boni, F. Cirisano, M. Ferrari, **M.L. Pascu**, *Spectroscopic and analytical studies of Thioridazine exposed to UV laser radiation and susceptibility of bacteria to the mixture of photo-products assay*, 11th International Conference "Micro- to Nano-Photonics IV- ROMOPTO 2015", 1-4 September 2015, Bucharest, Romania.
150. T. Tozar, A. Stoicu, V. Nastasa, M. Popa, I. R. Andrei, C. M. Chifiriuc, **M.L. Pascu**, *Cytotoxicity assay of four Phenothiazines exposed to 266 nm laser radiation for application in biomedical fibers*, 11th International Conference "Micro- to Nano-Photonics IV- ROMOPTO 2015", 1-4 September 2015, Bucharest, Romania.
151. T. Tozar, A. Stoicu, V. Nastasa, M. Popa, I. R. Andrei, M. C. Chifiriuc, **M.L. Pascu**, *Testing the susceptibility of bacteria in planktonic and biofilms forms to phenothiazines exposed to a 266 nm laser beam emitted by a Nd:YAG laser*, Annual Scientific Conference of Faculty of Physics, 19 June 2015, Magurele, Romania.
152. M. Boni, V. Nastasa, I.R. Andrei, A. Staicu, **M.L. Pascu**, *Emission spectra of pendant droplets containing dye solutions and emulsions*, 116th Annual Meeting of DGaO, 27 - 29 May 2015, Brno, Czech Republic.
153. M. Boni, V. Nastasa, I.R. Andrei, A. Staicu, **M.L. Pascu**, *Resonant interaction of laser beams with pendant droplets of emulsions*, 3rd EOS Conference on Optofluidics (EOSOF 2015), 21-24 June 2015, Munchen, Germany.
154. M. Boni, V. Nastasa, I.R. Andrei, A. Staicu, **M.L. Pascu**, *Comparison between emission spectra of pendant droplets containing dye solutions and emulsions*, Annual Scientific Conference of Faculty of Physics, University of Bucharest, 19 June 2015, Magurele, Romania.

155. **M.L. Pascu**, I.R. Andrei, M. Boni, V. Nastasa, R. Pirvulescu, *Interaction of laser beams with single droplets in pendant position*, 3rd EOS Conference on Optofluidics (EOSOF 2015)", 21-24 June 2015, Munchen, Germania,
156. V. Nastasa, M. Boni, A. Smarandache, T. Alexandru, A. Staicu, I.R. Andrei, A. Dinache, Z. Saponjic, **M.L. Pascu**, *Laser photocatalytic effect of TiO₂ nanoparticles for water pollutants removal*, Smart and green interfaces- Conference 2015, March 2015, Belgrade, Serbia.
157. M. Boni, V. Nastasa, I.R. Andrei, A. Staicu, **M.L. Pascu**, *Lasing emission by microdroplets of emulsion*, Smart and green interfaces-Conference 2015, March 2015, Belgrade, Serbia.
158. A. Staicu, A. Dinache, A. Smarandache, T. Tozar, A. Pascu, V. Nastasa, M. Boni, A. Simon, I. R. Andrei, M. Enescu, **M.L. Pascu**, *Photophysical studies of some compounds of interest in targeted drug delivery*, Micro- to Nano-Photonics IV-ROMOPTO 2015, 1-4 September 2015, Bucharest, Romania.
159. A. Smarandache, A. Staicu, V. Nastasa, J. Moreno-Moraga, J. Royo de la Torre, M. Trelles, **M.L. Pascu**, *Physical properties of laser irradiated sclerosing foams*, Micro- to Nano-Photonics IV-ROMOPTO 2015, 1-4 September 2015, Bucharest, Romania.
160. I.R. Andrei, M. Boni, A. Staicu, **M.L. Pascu**, *Lasing emission by side-pumped dye-doped droplets in pendant positions: modal structure*, 11th International Conference Micro- to Nano-Photonics IV - ROMOPTO, 1-4 September 2015, Bucharest, Romania.
161. M. Boni, V. Nastasa, I.R. Andrei, A. Staicu, **M.L. Pascu**, *Comparison of lasing emission of pendant droplets containing dye solutions and emulsions*, 11th International Conference Micro- to Nano-Photonics IV - ROMOPTO, 1-4 September 2015, Bucharest, Romania
162. A. Dinache, T. Tozar, M. Boni, A. Staicu, V. Nastasa, A. Stoicu, I.R. Andrei, V. Damian, E. Radu, M. Ferrari, **M.L. Pascu**, *Study of Vancomycin photoproducts, precursors of foam generation*, Smart and green interfaces-Conference 2015, 31 March- 1 April 2015, Belgrade, Serbia.
163. A. Smarandache, A. Staicu, V. Nastasa, J. Moreno-Moraga, J. Royo de la Torre, M. Trelles, **M.L. Pascu**, *Laser irradiated Polidocanol foam for sclerotherapy*, "New frontiers in regenerative medicine and surgery. Interdisciplinarity, research and clinical applications" International Congress, 12, 15-16 May 2015, Bucharest, Romania.
164. A. Smarandache, A. Pascu, M. Boni, I. Andrei, J. Handzlik, K. Kiec-Kononowicz, A. Staicu, **M.L. Pascu**, *Spectroscopic investigations of new hydantoin derivatives and their behavior under laser beam exposure for further biomedical applications*, 6th Congress of International PhotoTherapy Association, 9-10 July 2015, Nisa, France.
165. M. Boni, I.R. Andrei, V. Nastasa, A. Staicu, **M.L. Pascu**, *Lasing Emission by Side-pumped Emulsion Droplets in Pendant Positions*, Progress In Electromagnetics Research Symposium (PIERS 2015), 6-9 July 2015, Prague, Czech Republic.
166. I.R. Andrei, A. Baleanu, **M.L. Pascu**, *Chaotic low-frequency fluctuations of the laser radiation emitted by a diode laser working at currents above the laser threshold*, Progress In Electromagnetics Research Symposium (PIERS 2015), 6-9 July 2015, Prague, Czech Republic.
167. A. Smarandache, M. Boni, V. Nastasa, I. R. Andrei, J. Handzlik, K. Kiec-Kononowicz, L. Amaral, **M.L. Pascu**; *Laser beam resonant interaction of new hydantoin derivatives droplets for biomedical applications*; B&D 2015, 6-10 July 2015, Potsdam, Germany.
168. A. Smarandache, M. Boni, V. Nastasa, I.R. Andrei, J. Handzlik, K. Kiec-Kononowicz, L. Amaral, M.L. Pascu; *Investigations on the interaction of unexplored hydantoin derivatives solutions with optical beams*; Annual Scientific Conference of Faculty of Physics, 19 June 2015, Magurele, Romania.
169. A. Smarandache, A. Simon, A. Dinache, T. Tozar, M. Boni, I.R. Andrei, M.C. Morán, F. Cirisano, M. Ferrar, **M.L. Pascu**; *Stability of new laser produced medicines in view of their application on biomedical fabrics*; Annual Scientific Conference of Faculty of Physics, 19 June 2015, Magurele, Romania.
170. A. Smarandache, V. Nastasa, M. Boni, J. Handzlik, K. Kiec-Kononowicz, L. Amaral, **M.L. Pascu**; *Light exposure influence on the wetting properties of new imidazolidine derivatives solutions*; 5th International Colloids Conference 2015 "Colloid and Interface Sciences for a Brighter Future", 21-24 June 2015, Amsterdam, Olanda.
171. S. Alexandru, S. Adriana, N. Viorel, H. Jadwiga, Kiec-Kononowicz K., **M.L. Pascu**, *Experimental and model IR spectra of new hydantoin derivatives*, "Micro- to Nano-Photonics IV- ROMOPTO 2015", 1-4 September 2015, Bucharest, Romania.
172. M. Boni, A. Staicu, I.R. Andrei, A. Smarandache, V. Nastasa, Z. Saponjic, **M.L. Pascu**, *Studies on the laser induced emission of microdroplets containing Rhodamine 6G solutions in water doped with TiO₂ nanoparticles*, Smart and green interfaces: Fundamentals and diagnostics (SGI-FunD), 29-31 October 2015, Sofia, Bulgaria.
173. **M.L. Pascu**, M. Boni, I.R. Andrei, *Optically pumped microliter droplets as lasing sources in the visible spectral range*, 11th International Conference "Micro- to Nano-Photonics IV- ROMOPTO 2015", 1-4 September 2015, Bucharest, Romania.
174. I.R. Andrei, A. Baleanu, **M.L. Pascu**, *Chaotic low-frequency fluctuations of the radiation emitted by a semiconductor laser working at currents above the laser threshold*, Annual Scientific Conference of Faculty of Physics, University of Bucharest, June 19, 2015, Bucharest, Romania.
175. A. Simon, T. Tozar, M. Boni, V. Damian, V. Dutschk, **M.L. Pascu**, *Biomedical applications of non-antibiotics exposed to uv laser radiation and their interaction with fabric surfaces*, "New frontiers in regenerative medicine and surgery. Interdisciplinarity, research and clinical applications" International Congress, 12, 15- 16 May 2015, Bucharest, Romania.
176. A. Simon, T. Alexandru, M. Boni, V. Damian, A. Stoicu, V. Dutschk, **M.L. Pascu**, *Phenothiazines exposed to 266 nm laser beam in interaction with fabric surfaces, in view of biomedical applications*, 116th Annual Meeting of DGaO, 27-29 May 2015, Brno, Czech Republic.
177. A. Simon, T. Tozar, A. Stoicu, M. Boni, V. Damian, **M.L. Pascu**, *Biomedical applications of laser exposed medicines containing solutions in interaction with target surfaces: ESA "Spin Your Thesis!" programme*, Annual Scientific Conference of Faculty of Physics, 19 June 2015, Magurele, Romania.
178. A. Simon, T. Tozar, A. Stoicu, M. Boni, V. Damian, **M.L. Pascu**, *Interaction of laser exposed non-antibiotic solutions with target surfaces, in view of biomedical applications: ESA "Spin Your Thesis!" campaign*, 11th International Conference "Micro- to Nano-Photonics IV- ROMOPTO 2015", 1-4 September 2015, Bucharest, Romania.
179. A. Simon, A. Smarandache, T. Tozar, V. Nastasa, R. Pirvulescu, **M.L. Pascu**, *Stability studies on Promethazine unexposed and exposed to UV laser radiation*, Optics+Photonics, 8-12 August 2015, San Diego, USA.

180. A. Simon, A. Stoicu, T. Tozar, I.R. Andrei, V. Damian, **M.L. Pascu**, *Direct modification of photosensitive non-antibiotics by exposure to UV laser radiation and their interaction with target surfaces: New process for drug discovery and delivery in view of space mission applications*, Antibiotic resistance and antibiotic alternatives: Looking towards the future, 3-5 November 2015, London, UK.
181. M. Boni, V. Nastasa, I.R. Andrei, A. Staicu, **M.L. Pascu**, *Laser induced emission of dye emulsion droplets*, Smart and green interfaces: Fundamentals and diagnostics (SGI-FunD), 29-31 October 2015, Sofia, Bulgaria.
182. **M.L. Pascu**, R. Pivulescu, T. Tozar, *Laser methods in fighting multiple drug resistance*, "New frontiers in regenerative medicine and surgery. Interdisciplinarity, research and clinical applications" ISRMS Congress, 12 & 15- 16 May 2015, Bucharest, Romania.
183. **M.L. Pascu**, R. Pivulescu, M. Boni, I.R. Andrei, *Laser beams interaction with droplets in view of biomedical applications*, 6th Congress of International PhotoTherapy Association, 9-10 July 2015, Nice, France.
184. M.H. Kaleshtari, I. Ciobanu, D.C. Tranca, A. Palacean, A. Ghita, R.Pivulescu, C. Pivulescu, **M.L. Pascu**, M. Berteanu, *Experimental equipment for treatment with uncoherent light emitted in UV and visible*, 6th Congress of International PhotoTherapy Association, 9-10 July 2015, Nice, France.
185. **M.L. Pascu**, M. Boni, I.R. Andrei, *Emission of laser/lasing radiation by optically pumped droplets in pendant position*, "Advances in optofluidics: Integration of optical control and photonics with microfluidics" COST Action MP1205 Conference and MC meeting, 7-8 May 2015, Porto, Portugal
186. A. Simon, A. Stoicu, I.R. Andrei, T. Alexandru, A. Staicu, A. Smarandache, **M.L. Pascu**, *Wetting properties of medicines solutions exposed to laser beams and treated in hypergravity conditions*, "Smart and green interfaces: Fundamentals and diagnostics" (SGI-FunD) Symposium, 29-31 October 2015, Sofia, Bulgaria.
187. A. Simon, A. Stoicu, T. Tozar, **M.L. Pascu**, *Interaction of laser exposed Non-antibiotic solutions with target surfaces in hypergravity conditions: ESA "Spin Your Thesis!" campaign*, 1st Symposium on Space Educational Activities, 9-12 December 2015, Padova, Italy
188. A. Simon, A. Stoicu, T. Tozar, I.R. Andrei, **M.L. Pascu**, *UV laser modified medicine solutions in interaction with target surfaces under hypergravity conditions*; International OSA Network of Students, 20-22 May 2016, Québec, Canada
189. A. Simon, A. Stoicu, T. Tozar, J.J.W.A van Loon, A. Dowson, **M.L. Pascu**, *Laser treated Chlorpromazine in interaction with target surfaces of biomedical interest: revelation of results obtained within ESA's "Spin Your Thesis!" programme*; Annual Scientific Conference University of Bucharest, Faculty of Physics 2016 Meeting, 17 June 2016, Măgurele, Romania
190. A. Simon, I.R. Andrei, V. Damian, **M.L. Pascu**, *Laser exposed medicine impregnated target surfaces subjected to simulated hypergravity condition, in view of space medicine applications*; Advanced Topics in Optoelectronics, Microelectronics and Nanotechnologies (ATOM-N) Conference, 25-28 August 2016, Constanța, Romania
191. T. Tozar, A. Stoicu, V. Nastasa, M. Popa, C. Chifiriuc, I.R. Andrei, **M.L. Pascu**, *Susceptibility of bacteria to photo-chemically generated agents from phenothiazine derivatives*, ICPEPA10, 29 August-2 September 2016, Brasov, Romania.
192. A. Smarandache; A. Pascu; M. Boni; I. Andrei; J. Handzlik; K. Kiec-Kononowicz; A. Staicu; **M.L. Pascu**; *Spectroscopic investigations of novel pharmaceuticals: stability and laser beam resonant interaction*; ICPEPA10, 29 August-2 September 2016, Brasov, Romania.
193. A. Dinache; A. Smarandache; T. Alexandru; A. Pascu; V. Nastasa; A. Simon; M. Enescu; A. Khatyr; F. Sima; **M.L. Pascu**; A. Staicu; *Photosensitized cleavage of some olefins as potential linkers to be used in drug delivery*, ICPEPA10, 29 August-2 September 2016, Brasov, Romania.
194. A. Staicu; A. Pascu; A. Smarandache; T. Alexandru; **M.L. Pascu**; *Photophysics of single wall carbon nanotubes covalently functionalised with porphyrin photosensitizers*; ICPEPA10, ICPEPA10, 29 August-2 September 2016, Brasov, Romania.
195. A. Staicu; M. Boni; I. R. Andrei; A. Smarandache; V. Nastasa; Z. Saponjic; **M.L. Pascu**; *Studies on the laser induced emission of pendant droplets of dye water solutions containing TiO2 nanoparticles*; Smart and Green Interfaces Conference 2016, 4-6 May 2016, Athens, Greece;
196. M. Boni, I.R. Andrei, A. Staicu, **M.L. Pascu**, *Lasing effects in microvolumetric droplets pumped by laser beams*, EMN Meeting On Droplets 10-13 May 2016, Donostia-San Sebastián, Spain;
197. M. Boni, I.R. Andrei, A. Staicu, **M.L. Pascu**, *Time deconvolution of lasing emission of microvolumetric droplets pumped by laser beams*, Annual Scientific Conference University of Bucharest, Faculty of Physics, 17 June 2016, Măgurele, Romania
198. A. Stoicu, T. Tozar, **M.L. Pascu**, *Modeling of molecular electronic structures of medicines used to fight MDR acquired by bacteria*, SPIE Optics+Photonics 2016, 28 August-2 September 2016, San Diego, USA.
199. I.R. Andrei, M. Boni, A. Staicu, **M.L. Pascu**; *Fluorescence emission structure of a side-pumped Rh6G dye-doped micro-droplet*; ICPEPA10, 29 August-2 September 2016, Brasov, Romania.
200. V.Nastasa, K.Samaras, Ch. Ampatzidis, T.D. Karapantsios, M. A. Trelles, J. Moreno-Moraga, A. Smarandache, **M.L. Pascu**; *Sclerosing foams assessment in view of their use in sclerotherapy*, Smart and Green Interfaces Conference 2016, 4-6 May 2016, Athens, Greece.
201. V.Nastasa, K.Samaras, Ch. Ampatzidis, T.D. Karapantsios, M. A. Trelles, J. Moreno-Moraga, A. Smarandache, **M.L. Pascu**, *Optical properties of sclerosing foams in view of their use in sclerotherapy*, Advanced Topics in Optoelectronics, Microelectronics and Nanotechnologies (ATOM-N) Conference, 25-28 August 2016, Constanța, Romania.

ANNEX 5

WORKING STAGES ABROAD

- 1972 – 1974: Physics Faculty, University of Texas at Dallas, TX, USA.
 1978: Institute of Physics, Beijing, Chinese Academy of Sciences.
 Institute of Atomic Physics, Beijing, China.
 Faculty of Physics, University of Nanjing, China.
 Faculty of Physics, University of Canton, China.
 1982, 1985: Institute of Experimental Physics, Szeged University, Hungary.
 1986: Institute of Physics, Vilnius, Lithuanian Academy of Sciences, Lithuania.
 1986: Institute of General Physics, Moscow, USSR Academy of Sciences, USSR.

1992: Centro Informazioni Studi Esperienze (CISE), Milano, Italy.
1993: PECO stage (3 months), Istituto di Metrologia "Gustavo Colonnetti", Torino, Italy.
1994, 1995, 1998: Laboratoire de Photophysique Moleculaire, Universite Paris Sud, Orsay, France.
1997: NATO stage (4 months), Istituto di Metrologia "Gustavo Colonnetti", Torino, Italy.
1997: Laboratoire pour l'Utilisation de la Radiation Electromagnetique (LURE), Universite Paris Sud, Orsay, France.
1999: Laboratoire pour l'Utilisation de la Radiation Electromagnetique (LURE), Universite Paris Sud, Orsay, France.
2000: Laboratoire pour l'Utilisation de la Radiation Electromagnetique (LURE), Universite Paris Sud, Orsay, France.
2001 – 2004, COST Secretariat, European Commission, DG-RTD, Brussels.
2004 – 2006, EUROPEAN SCIENCE FOUNDATION – COST Office, Brussels
2009, Laboratoire de Chimie Physique et Rayonnement Alain Chambaudet UMR EA, Université de Franche-Comté, Besancon

ANNEX 6

ACADEMIC RESPONSIBILITIES

1973: Assistant Professor, Chair "Optics and Spectroscopy", Physics Faculty, University of Bucharest.
1975-to date: head of 76 students master thesis at the Physics Faculty, University of Bucharest.
1985-1990: Member of the Scientific Council of the Physics Faculty, University of Bucharest.
1994-to date: Professor, "Optics, Spectroscopy, Plasma and Lasers" Chair, Physics Faculty, University of Bucharest.
1994-to date: PhD head, field "Optics, Spectroscopy and Laser Physics", appointed by the Romanian Ministry of Education at the Physics Faculty of the Bucharest University.
17 PhD theses of my PhD students publicly defended in Romania, France, Germany, USA.

ANNEX 7

HEAD OF NATIONAL AND INTERNATIONAL PROJECTS OR EQUIVALENT

1. National Project Coordinator, United Nations Development Program; title of the project: "Development of CO₂ technological lasers" (ROM -87-010), 1987-1993.
2. Coordinator from the Romanian side of the French-Romanian network "Laser Applications in Biology", 1993-1995.
3. Co-chairman and co-organizer of the French-Romanian Workshop "Laser Applications in Biology", Bucharest, 1995.
4. Editor of the Proceedings of the French-Romanian Workshop "Laser Applications in Biology", Romanian Journal of Biophysics, vol.5, No.4, 1995.
5. Coordinator from the Romanian side of the French-Romanian network "Laser Applications in Environment Protection", 1997-2001.
6. Chairman and Organizer of the VI-th International Congress of the European Medical Laser Association, Bucharest, 1998.
7. Vice-President of the European Medical Laser Association (EMLA), 1998 – 2000.
8. Chairman and Organizer of the III-rd National Conference on Laser Applications in Medicine and Biology, Bucharest, November 1999.
9. Editor of the Proceedings of the III-rd National Conference on Laser Applications in Medicine and Biology, Bucharest, Rom. Journal of Biophysics, vol.10, No. 3- 4, 2000.
10. Co-chairman of the 14th International Congress on Laser Medicine (ICLM), 1999, Florence.
11. Chairman and Organizer of the IV-th National Conference on Laser Applications in Medicine and Biology, Bucharest, September 2000; this conference was satellite of the EPS - International Congress on Optics ROMOPTO 2000, Bucharest.
12. Co-editor/main editor of the LASER FLORENCE 1999 Proceedings, SPIE vol. 4166, ISBN 9780819438225, 2000.
13. Co-chairman of the 15th International Congress on Laser Medicine (ICLM), 2000, Florence.
14. Co-editor/main editor of the LASER FLORENCE 2000 Proceedings, SPIE vol. 4606, ISBN 9780819443458, 2001.
15. European Commission Expert-Evaluator; reference nr. EE 19981A21335.
16. Contribution in Romania as member of the experts group (I was the only expert currently working outside Romania) to elaborate the National Strategy for RTD for the period 2007- 2013.
17. Head of more than 250 national projects and 15 national programs/national programs chapters / sections in Romania.
A selection of projects, on domains is given below:
 - 17.1 Development of nitrogen pulsed lasers and nitrogen pulsed laser pumped tunable dye lasers: 1975–1987.
 - 17.2 Basic research about the time structure of ultrashort laser light pulses emitted by tunable dye lasers: 1977 – 1980.
 - 17.3 Development of laser/optical/physical methods to monitor traces of pollutants in environment: air, water, soil, biosphere: 1976 – to date.
 - 17.4 Basic research about laser beam interactions with tissues and laser biomolecular spectroscopy: 1982 - to date.
 - 17.5 Development of laser infrared optical components for high power technological lasers: 1985 – 1994.
 - 17.6 Basic research on biological structures as new laser active media: 1994–to date.
 - 17.7 Development of laser medical equipment: 1982 – 2000.
 - 17.8 Development of optical systems to monitor variations of heavy water concentrations in natural water at traces levels for nuclear power plants: 1984 – 1989.
 - 17.9 Basic research about chaos in laser systems: 2002 - to date.
 - 17.10 Development of new optical methods to fight resistance to antibiotics and medicine treatment: 2003 – to date. This new research field is currently defines as photochemotherapy.A selection of national programs I was responsible (from the program construction to the program follow-up stage) is given below:
 - 17.I National Programme of Lasers, Laser Active Media and Applications:1984–1990.
 - 17.II National Programme of Cold Plasma: 1983 – 1990.
 - 17.III National Programme for Particle Beam Accelerators: 1983 - 1989.
 - 17.IV National Programme for Physical Methods in Environment Protection:1991–2001.
 - 17.V National Programme on Biophotonics: 1995 – 2003.

18. Evaluation expert of the Romanian : CNCSIS and ANCS- PNCD.
19. Co-chairman of the 16th Int. Congress on Laser Medicine (ICLM), 2001, Florence.
20. Co-editor/main editor of the LASER FLORENCE 2001 Proceedings; SPIE vol. 4903, No.28, ISBN 9780819446909, 2002.
21. Co-chairman of the 17th Int. Congress on Laser Medicine (ICLM), 2002, Florence.
22. Co-editor / main editor of the LASER FLORENCE 2002 Proceedings SPIE, vol. 5610, ISBN 9780819451880, 2003
23. Co-chairman of the 18th Int. Congress on Laser Medicine (ICLM), 2003, Florence.
24. Co-editor / main editor of the LASER FLORENCE 2003 Proceedings; SPIE vol.5610, ISBN 9780819455635, 2004.
25. Co-chairman of the 19th Int. Congress on Laser Medicine (ICLM), 2004, Florence.
26. Co-editor / main editor of the LASER FLORENCE 2004 Proceedings, SPIE vol. 5968, ISBN 9780819459862, 2005.
27. Co-chairman of the 20th Int. Congress on Laser Medicine (ICLM), 2005, Florence.
28. Co-chairman of the 21st Int. Congress on Laser Medicine (ICLM), 2006, Florence.
29. Projects VIASAN – 5 projects in the time interval 2001 – 2005.
30. Projects CEEEX- 2 projects in the time interval 2005 – 2007.
31. Project CNMP PALIRT, 2007 – 2010.
32. Project CNMP SENSO, 2007 – 2010.
33. Project CNMP LSCEM, 2008 – 2011.
34. EUROPEAN NETWORK: European Institute for Biomedical Imaging Research (INFLPR among EIBIR Member Institutions of excellence (ENCITE – FP7 European Network for Cell Imaging and Tracking Expertise).

ANNEX 8

HONORS AND AWARDS:

1. "SCIENTIFIC MERIT", Romanian medal, 1985.
2. Romanian Academy Award "DRAGOMIR HURMUZESCU", 1986; for a group of papers on "Tunable dye lasers and their spectroscopic applications". Awarded in 1990.
3. "Excellence Award" for the "Laser Physics" chapter within the book LASER IN MEDICINE AND DENTISTRY, Ed. Z. Simunovic, Vitagraf.d.o.o., Croatia, 2000; awarded by the Romanian Agency for Science, Technology and Innovation in 2000.
4. Romanian Academy Award "Gheorghe Marinescu", 2003; for the book, "Lasers in Neurosurgery", L. Danaila, **M.L.Pascu**, Ed. Academiei, Bucharest, ISBN 973 -27-0802-6, 2001.
5. "IFA Excellence Award and Medal Award"; awarded by Institute for Atomic Physics for the scientific and management achievements, for the contributions to the development of laser physics and for their applications at national and international level, 2017.

ANNEX 9

SELECTED LIST OF COST ACTIONS, ACTIVITIES AND TECHNICAL COMMITTEES FOR WHICH I WAS RESPONSIBLE SCIENCE OFFICER

1. COST B8: "ODONTOGENESIS":
 - * 12th Management Committee Meeting, Egmond aan Zee, NL; 13 Oct. 2001; FINAL MEETING
2. COST B10 : "BRAIN DAMAGE REPAIR"
 - * 9th Management Committee Meeting, Cascais/Lisboa, Portugal; 8 December 2001.
 - * 10th Management Committee Meeting, Carmona/Sevilla, Spain; 1st June 2002.
 - * 11th Management Committee Meeting, Dublin, Ireland; 19th October 2002
 - * 12th Management Committee Meeting, Uppsala, Sweden; 28th June 2003
 - * 13th Management Committee Meeting, Warsaw, Poland; 6th December 2004
 - * 14th Management Committee Meeting (FINAL), Lisbon, Portugal; 10th July 2004
3. COST B11: "QUANTITATION OF MAGNETIC RESONANCE IMAGE TEXTURE"
 - * 8th Management Committee Meeting, Angers, France; 20 October 2001
 - * 9th Management Committee Meeting, Bergen, Norway; 4 May 2002-FINAL MEETING
4. COST B12: "RADIOTRACERS FOR IN VIVO ASSESSMENT OF BIOLOGICAL FUNCTION"
 - * 7th Management Committee Meeting, Vienna, Austria; 17th November 2001
 - * 8th Management Committee Meeting, Dresden, Germany; 7th March 2002
 - * 9th Management Committee Meeting, Lisbon, Portugal; 16th November 2002
 - * 10th Management Committee Meeting, Pisa, Italy; 8th November 2003
 - * 11th Management Committee Meeting, Lisbon, 22nd May, 2004
 - * 12th Management Committee Meeting, Ljubljana; 12th -13th November, 2004
 - * COST B12 final Conference preparatory meeting, Brussels, 19th March, 2005
 - * 13th MANAGEMENT COMMITTEE and WGs MEETING, (FINAL MEETING), Warsaw, 22 - 23 April 2005
5. COST B13: "LOW BACK PAIN : GUIDELINES FOR ITS MANAGEMENT"
 - * 5th Management Committee Meeting, Liège, Belgium; 15 December, 2001
 - * 6th Management Committee Meeting, Palma de Majorca, Spain; 28 April, 2002
 - * 7th Management Committee Meeting, Ferrara, Italy; 20 September, 2003
 - * 8th Management Committee Meeting, Amsterdam, NL; 6 March 2004.
 - * 9th Management Committee meeting, Palma de Majorca, Spain (FINAL MEETING), Oct. 2004
6. COST B14: "HYPERBARIC OXYGEN THERAPY "

- * 7th Management Committee Meeting + WG's, Ljubljana (Portoroz), Slovenia; 13-15 Dec. 2001
- * 8th Management Committee Meeting + WG's, Thessaloniki, Greece; 18-20 April 2002
- * 9th Management Committee Meeting + WG's, Prague, Czech Republic; 17th-19th October 2002
- * 10th Management Committee Meeting, Barcelona, Spain; September 18-20th, 2003
- * 11th Management Committee Meeting, Turku, Finland; May 8th, 2004
- * 12th Management Committee Meeting, Lille, France (FINAL MEETING); December 2004

7. COST B15: "MODELLING IN DRUG DEVELOPMENT"

- * 13th MANAGEMENT COMMITTEE MEETING, Brussels, 1st – 2nd April 2004
- * 14th Management Committee Meeting (FINAL MEETING), Geneva, July 2004

8. COST B16: "REVERSAL OF ANTIBIOTIC RESISTANCE (BY INHIBITION OF TRANS-MEMBRANE TRANSPORT)"

- * 4th Management Committee Meeting, Marseille, France ; 1st December 2001
- * 5th Management Committee Meeting, Warsaw, Poland; 29th June 2002
- * 6th Management Committee Meeting, Berlin, Germany ; 30th November 2002
- * 7th Management Committee Meeting, Rhodes, Greece; 19th October 2003
- * 8th Management Committee Meeting, Sønderborg, Denmark; 29th November 2003
- * 9th Management Committee Meeting, Gent, Belgium; 29 May 2004
- * 10th Management Committee Meeting, Corfu, Greece, 29 October 2004
- * 11th Manag Com and WG1, WG2, WG3, WG4 Meetings, Antalya, Turkey, 13 – 14 May, 2005
- * 12th Manag Com and WG1, WG2, WG3, WG4 Meetings, Novara, Italy, 14-15th October, 2005

9. COST B17: "INSULIN RESISTANCE, OBESITY AND DIABETES MELLITUS IN THE ELDERLY"

- * 4th Management Committee Meeting, Prague, Czech Republic; 16 February 2001
- * 5th Management Committee Meeting, Glasgow, United Kingdom; 9 September 2001
- * 6th Management Committee Meeting, Bari, Italy; 17 November 2002
- * 7th Management Committee Meeting, Gentofte, Denmark; 14 September 2002
- * 8th Management Committee Meeting, Madrid, Spain; 30 May 2004
- * 9th Management Committee Meeting, Krakow, Poland; 12 December 2004.
- * 2nd Int. Conf. on Molecular Basis of Metabolic Regulation in conjunction with COST ACTION B17 "INSULIN RESISTANCE, OBESITY AND DIABETES MELLITUS IN THE ELDERLY", 10th MC and Joint Meetings of WGs 2, 3, and 4, Bari, Italy, June 24 – 25, 2005
- * 11th MC and Joint WG meetings, in conjunction with Obesity, Diabetes and Ageing: From Insulin Secretion to Insulin Action – FINAL MEETING, Geneva, Switzerland, Oct 28 – 30, 2005.

10. COST B18: "CORPUS CAVERNOSUM EMG IN ERECTILE DYSFUNCTION "

- * 2nd Management Committee Meeting, Nijmegen, the Netherlands; 3 November 2001
- * 3rd Management Committee Meeting, Brussels, Belgium; 8 June 2002
- * 4th Management Committee Meeting; Copenhagen, Denmark; 23 November 2002
- * 5th Management Committee Meeting, Vienna, Austria; 13 December 2003.
- * 6th Management Committee Meeting, Amsterdam, NL; 12 June 2004.
- * 7th Management Committee Meeting, Amsterdam, NL – FINAL CONFERENCE, 18 Oct 2005.

11. COST B19: "MOLECULAR CYTOGENETICS OF SOLID TUMORS"

- * 3rd Management Committee Meeting, Intra-Verbania, Italy; 22 September, 2001
- * 4th Management Committee Meeting, Sesimbra / Lisboa, Portugal; 16 March, 2002
- * 5th Management Committee Meeting, Barcelona, Spain; 14 September 2002
- * 6th Management Committee Meeting, Gdansk, Poland; 5 July 2003
- * 7th Management Committee Meeting, Odense, Denmark, 1st May 2004
- * 8th Management Committee Meeting, Brno, Czech Republic, 18 September, 2004
- * 10th Management Committee Meeting, Brussels, Belgium, 15 July 2005,
- * JOINT MEETING EUROPEAN CONCERTED ACTION COST B19 11th MC AND WORKING GROUPS MEETINGS - CANCERPOLE PACA, Nice, France, Oct 21–22, 2005
- * 12th Management Committee Meeting, FINAL joint meeting with the 10th EUROPEAN WORKSHOP ON MOLECULAR CYTOGENETICS IN HUMAN SOLID TUMORS, La Grande Motte – Le Ponant, France, June 8 - 11, 2006.

12. COST B20: "MAMMARY DEVELOPMENT, FUNCTION AND CANCER"

- * 2nd Management Committee Meeting, Ayr, Scotland, UK; 7-8 December 2001
- * 3rd Management Committee Meeting, Utrecht, The Netherlands; 10-11 May, 2002
- * 4th Management Committee Meeting, Gent, The Netherlands; 13-14 September 2002
- * 5th Management Committee Meeting, Montpellier, France; 4 July 2003
- * 6th Management Committee Meeting, Treviso, Italy; 25 October 2003
- * 7th Management Committee Meeting, Warsaw; 19 June 2004
- * 8th Management Committee Meeting, Utrecht; 20 November 2004
- * 9th Management Committee COST B20 meeting, WG 1, WG3 meetings
- "Proteins and signaling pathways controlling mammary epithelial cell function", Frankfurt am Main, Germany, June 3 – 4, 2005
- * Joint meeting WG 1, 2, 4 and 5, 10th MC COST B20 meeting and III International Workshop on Mammary Gland Biotechnology: Nutrition, Genomics and Breast Cancer, Barcelona, Spain, 29 September – 1 October 2005

* 11th MC Meeting joint with EMBO Conference on Common Molecular Mechanisms of Mammary Gland Development and Breast Cancer Progression, Dublin, Ireland, 6 – 8 June, 2006.

13. COST B21: "PHYSIOLOGICAL MODELLING OF MR IMAGE FORMATION"

- * 1st Management Committee Meeting, Brussels, Belgium; 15 December 2003
- * 2nd Management Committee Meeting, Dundee, GB; 3th March 2004
- * 3rd Management Committee Meeting, Cyprus; 2nd October 2004
- * WG3 and WORKING GROUP ON TEXTURE TEXTBOOK (WGTT) MEETINGS, Brussels, Belgium, 17th January, 2005
- * 4th MC and WG1, WG2, WG3, WG4 meetings, Łódź, Poland, 6th – 8th October, 2005
- * 5th MC and WGs meetings, Alghero, Sardinia, Italy, 31 March – 1 April, 2006

14. COST B22: "DRUG DEVELOPMENT FOR PARASITIC DISEASES"

- * 1ST Management Committee Meeting, Brussels, Belgium; 24 November, 2003
- * 2nd Management Committee Meeting, Brussels, Belgium; 5 March, 2004
- * 3rd Management Committee Meeting, Anvers, Belgium; November 2004
- * 4th Management Committee and WG meetings, GRANADA, SPAIN, 9 – 10 June 2005
- * 2nd ANNUAL MEETING and 5th MC meeting, SIENA, Sept 29 – Oct 01, 2005

15. COST B23: "ORAL FACIAL DEVELOPMENT AND REGENERATION"

- * 1ST Management Committee Meeting, Brussels, Belgium; 8 December 2003
- * 2nd Management Committee Meeting, Gent, Belgium; 21 March 2004
- * 3rd Management Committee Meeting, York; 22 July 2004
- * 2nd joint meeting of WG2 and WG4 meeting, Debrecen, Hungary; 29 – 30 October 2004
- * GROUPS 2 and 4 joint meeting with the 8th INTERNATIONAL CONFERENCE ON THE CHEMISTRY AND BIOLOGY OF MINERALIZED TISSUES, Alberta, Canada; October 18-22, 2004
- * GENES, CELLS AND BIOMATERIALS FOR ORAL-FACIAL REGENERATION, JOINT MEETING of the 4TH MANAGEMENT COMMITTEE and Working Groups 1, 2, 3, and 4, Barcelona, Spain, 12, 13, 14 and 15 MAY 2005
- * Phenotype and genotype, Working group 3, Strasbourg, France, Friday 14th and Saturday 15th October 2005
- * 5th Management Committee meeting, Athens, Greece, 4 – 6 November 2005
- * 6th Management Committee and WGs Meeting Helsinki, Finland, 7–8 May, 2006.

16. COST B24: LABORATORY ANIMAL SCIENCE AND WELFARE

- * 1st Management Committee Meeting, Brussels, Belgium; 26th April 2004
- * 2nd Management Committee Meeting, Nantes, France; 17 June 2004
- * 3rd Management Committee Meeting, Stockholm, Sweden; November 14, 2004
- * 4th Management Committee and WG1, WG2 and WG3 Meeting, Roma, Italy, June 5-6th, 2005
- * 5th Management Committee and WG1, WG2, WG3 and WG4 Meetings, Elche, Alicante, Spain, October 5th - 7th , 2005
- * 5th MC and WG3 and WG4 Meetings, Brussels, Belgium, March 27th - 28th , 2006

17. COST B25 "PHYSIOLOGICALLY BASED PHARMACOTOXICOKINETICS AND DYNAMICS"

- * 1st Management Committee Meeting, Brussels, Belgium; 25th May 2005
- * 2nd Management Committee Meeting, Brussels, Belgium; 20th October, 2005
- * 3rd Management Committee and WG1/2/3 Meetings, Brussels, Belgium, 20-21 April 2006

18. COST B26 "OBSTRUCTIVE SLEEP APNEA"

- * 1st Management Committee Meeting, Brussels, Belgium; 26th April 2004
- * 2nd Management Committee Meeting, Milan, Italy; 28th -30th October, 2005

19. COST B27 "ELECTRIC NEURONAL OSCILLATIONS AND COGNITION (ENOC)"

- * 1st Management Committee Meeting, Brussels, Belgium; 26th April 2004
- * 2nd Management Committee Meeting, Istanbul, Turkey; 2nd – 4th September, 2005
- * 3rd Management Committee and WG1, WG2, WG3 Joint Meetings, Skopje, FYROM, 12 - 15 May, 2006

20. COST B28 "ARRAY TECHNOLOGIES FOR BSL 3 AND BSL 4 PATHOGENS"

- * 1st Management Committee Meeting, Brussels, Belgium; 26th April 2004
- * 2nd Management Committee Meeting, Bratislava, Slovakia; 20th -23rd November, 2005

21. COST B29 "FOR A BETTER UNDERSTANDING OF CHRONIC OBSTRUCTIVE PULMONARY DISEASE (COPD) EXACERBATIONS"

- * 1st Management Committee Meeting, Brussels, Belgium; 23 January 2006

22. COST B35 "LIPID PEROXIDATION ASSOCIATED DISORDERS- LPO"

- * 1st Management Committee Meeting, Brussels, Belgium, 2 June 2006

OTHER COST ACTIONS:

1. COST P07: "X- RAY AND NEUTRON OPTICS"- COST ACTION within the field: PHYSICS
2. COST 845: "BRUCELLOSIS IN ANIMALS AND MAN"- COST ACTION assigned from the field AGRI-BIO.

TECHNICAL COMMITTEES

1. Technical Committee MEDICINE & HEALTH: 12 meetings
2. AD HOC GROUP on BIOMATERIALS: 2 meetings
3. Domain Committee BIOMEDICINE AND MOLECULAR BIOSCIENCES, 2 meetings.

STRATEGIC MEETINGS

1. COST – ESF STRATEGIC MEETING on ENVIRONMENT AND HEALTH, 16 – 18 February 2005, Brussels – responsible person.
2. COST –ESF STRATEGIC MEETING on FOOD AND HEALTH, 1 – 3 February, 2006 – responsible person.
3. COST-NATO STRATEGIC MEETING on HEALTH, SIMULATION AND SECURITY, October 2006.

LIAISON EXPERT

1. COST Biomedicine and Biomolecular Sciences Domain Committee to ESF - Physical and Engineering Sciences Domain Committee.
2. I participated at two PESC meetings , in 2007 and 2008.

January 2017

Mihail Lucian Pascu