CURRICULUM VITAE

(Updated: March 2024)

Personal Data

Name: Ioannis

Surname: Stratis

Date of birth: July 31, 1955

Place of birth: Athens, Greece

Citizenship: Hellenic

Position: Professor Emeritus
I served in all academic levels at the Department of Mathematics of the National and Kapodistrian University of Athens (NKUA) from 1981 to 2022.

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Degrees

- "Ptykhion" (4-years BSc) in Mathematics, Department of Mathematics, NKUA, 1979.
- M.Sc. in Analysis and Partial Differential Equations, University of Sussex, U.K., 1980.
- Ph.D., Department of Mathematics, NKUA, 1987.

Research Interests

Differential Equations, Dynamical Systems, Applied Mathematics, Waves in Linear and Nonlinear/Deterministic and Stochastic Media, Mathematical Biology.

Teaching

Undergraduate Courses (NKUA): Calculus, Ordinary Differential Equations, Partial Differential Equations, Complex Analysis, Operational Calculus, Numerical Analysis, Applied Mathematics.

Postgraduate Courses (NKUA): Ordinary Differential Equations, Partial Differential Equations, Integral Equations, Applied Functional Analysis, Methods of Applied Mathematics, Propagation and Scattering of Waves, Mathematical Modelling, Numerical Analysis of Partial Differential Equations.

Postgraduate Course (Hellenic Open University): Mathematical Models in the Physical Sciences (2011- 2022).

Postgraduate mini courses:

- "Time-harmonic electromagnetic fields in chiral media" postgraduate mini-course in the framework of the series of talks on "Quaternionic Analysis with Applications in Wave Propagation Problems", Mexico City, November 2002.

- "Parabolic PDEs", Postgraduate Summer School in Mathematical Economics, Samos (Greece), July 2003.
- "An Introduction to the Mathematical Theory of Scattering: Direct and Inverse Problems", Postgraduate Summer School in Applied Mathematics, Samos (Greece), June 2004.
- "Integral Equation Methods in Scattering Theory", Intensive postgraduate mini-course at the Université de Versailles (France) in the framework of the Socrates-Erasmus Programme, July 2004.
- "Finite element methods in acoustic scattering, Intensive postgraduate mini-course at the Université de Versailles (France) in the framework of the Socrates-Erasmus Programme, July 2007.
- "A boundary integral equations approach for time harmonic problems in the electromagnetic and the elasticity theory of chiral media", Intensive postgraduate mini-course at the University of Oulu (Finland) in the framework of the Socrates-Erasmus Programme, December 2008.
- "Parabolic equations in finance", 8th Summer School in Stochastic Finance, Nafplion (Greece), July 2011.
- "Integral Equation Methods in Scattering Theory", Intensive postgraduate mini course at the Linnaeus University (Sweden), April 2013.
- "Systems Analysis: Linear ODEs and the Heat Equation; Solution Methods and Controllability", intensive mini course in the Easter School of the EPSRC & ESRC Centre for Doctoral Training in Risk & Uncertainty, University of Liverpool (U.K.), April 2016.
- "Mathematical Analysis of Problems in Complex Media Electromagnetics", Mini courses in Mathematical Analysis, Universitá degli studi di Padova (Italy), July 2018.

Research Grants
(Funding amount mentioned when exceeding € 30.000)

Scientific Coordinator

1. Short term visit, Heriot-Watt University, Edinburgh, United Kingdom (invited by K. J. Brown, A. A. Lacey).
   Financed by the British Council and the Royal Society, 11/1988.
2. "Nonlinear elliptic and parabolic equations in R^n" with K. J. Brown and A. A. Lacey (Heriot-Watt University, U.K.), N. Stavrakakis and D. Tzanetis (National Technical University of Athens, Greece), A. Tertikas (University of the Aegean, Greece).
   Financed by the British Council, 1989 - 1992.
3. Short term visit, University of Strathclyde, Glasgow, United Kingdom (invited by G. F. Roach).
   Financed by the Royal Society, 9/1996.
4. "Electromagnetic scattering by obstacles" with P.A. Martin (University of Manchester, U.K.) and C. E. Athanasiadis (NKUA).
   Financed by the British Council and NKUA, 1997-1999.
5. "Mathematical Problems of Propagation and Scattering of Electromagnetic Waves in Complex Media", 2003 – 2006.
   Co-financed by the European Social Fund and National Hellenic Sources within the "Heraclitus I" programme (€ 33.891,00)
6. "Boundary value problems of the theory of wave diffraction".
   Financed in the framework of the "Bilateral cultural exchange programme between Portugal and Greece", 29481/B4, 11/2008.
7. "Socrates – Erasmus"
   Short term teaching and collaboration visits at
   - Université de Versailles (Paris, France), 1988, 2003, 2007
   - Ecole Polytechnique (Palaiseau, France), 1988
   - University of Balearic Islands (Palma de Mallorca, Spain), 1989
   - City University (London, U.K.), 1989
   - University of Lisbon (Portugal), 1989
   - Universitá della Calabria (Cosenza, Italy), 1994
   - Universitá di Firenze (Florence, Italy), 1994
   - University of Oulu (Finland), 2008
8. Repeated funding from the Special Account of Research Grants of NKUA, in the framework of the annual research programme "Kapodistrias".

9. Short term visit, University of Lund, Sweden (invited by G. Kristensson). Financed by STINT (Swedish Foundation for International Cooperation in Research and Higher Education), 10/2010.
10. "Partial Differential Equations and Problems in Material Science", 2010 - 2013. Co-financed by the European Social Fund and National Hellenic Sources within the "Heraclitus II" programme. (€ 45.000,00)
11. "Visiting Scientist 2018", one-month visit, Universitá degli studi di Padova, Italy (invited by P. D. Lamberti, 11/2018.
12. Meeting of the Editorial Board of the Journal of Mathematical Sciences (Springer), Yerevan, Armenia,10/2023.
13. Short term visit, University of Urbino Carlo Bo, Italy (invited by A. Kogoj). Financed by the Italian Ministry of Foreign Affairs and International Cooperation, 10/2023.

Principal Investigator

1. "Mathematical Theory of Multiple Scattering of Acoustic, Electromagnetic and Elastic Fields"
    Scientific Coordinator: K. Kiriaki, National Technical University of Athens, 1994.
    Financed by the General Secretariat of Research and Technology, Greece, within the framework of the "Programme for the Enhancement of Scientific Human Resources" (PENED).
2. "Postgraduate Programme in Applied Mathematics and in the Didactics & Methodology of Mathematics"
    Scientific Coordinator: S. Negrepontis, NKUA, 2002 - 2004.
    Additional role: Member of the Scientific Committee of the Programme for Applied Mathematics.
    Co-financed by the European Social Fund, the European Regional Development Fund and National Hellenic Resources, within the Operational Programme for Education and Initial Vocational Training, EPEAEK II (€ 161.000,00)
3. "Reform of the Undergraduate Programme of the Department of Mathematics of NKUA with emphasis on Computer Science, the Applications and the Didactics of Mathematics"
    Scientific Coordinator: V. Dougalis, NKUA, 2003 - 2008.
    Additional role: Member of the Scientific Committee of the Programme.
    Co-financed by the European Social Fund, the European Regional Development Fund and National Hellenic Resources, within the Operational Programme for Education and Initial Vocational Training, EPEAEK II (€ 177.688,00)
4. "Stochastic Integrodifferential Equations and Applications"
    Scientific Coordinator: A. N. Yannacopoulos, University of the Aegean, Greece, 2004 – 2006.
    Co-financed by the European Social Fund and National Hellenic Sources in the framework of the Programme "Pythagoras I" (€ 80.000,00)
5. "Mathematical Analysis of Wave Propagation in Chiral Electromagnetic and Elastic Media"
    Scientific Coordinator: C. E. Athanasiadis, NKUA, 2005 - 2007.
    Financed by the European Social Fund and National Hellenic Sources in the framework of the Programme "Pythagoras II" (€ 50.000,00)
6. "Analysis, Modeling and Simulations of Complex and Stochastic Systems", Scientific Coordinator: M. Katsoulakis, University of Crete, Greece.
    Additional role: Group Leader of the research group of the Department of Mathematics of NKUA.
    Co-financed by the European Social Fund and National Hellenic Sources in the framework of the Programme "Thales" (€ 586.500,00)
7. "Rogue Waves: From Oceans to Microwaves and Light"
    Scientific Coordinator: D. Frantzeskakis, NKUA, 2016 - 2019.
    Financed by the Qatar National Research Fund, NPRP Grant #8-764-1-160
    ($ 810.000,00)
8. "Split ring resonator based nonlinear metamaterials: from few to many, theory and experiments"
    Scientific Coordinator: Z. Anastasi, National Qatar University, 2016 - 2019.
    Financed by the Qatar National Research Fund, NPRP Grant #9-329-1-067
    ($ 764.026,26)

Mentor of Postdoctoral Researchers

1. 2001 - 2002: A. N. Yannacopoulos (Ph.D. University of Warwick, U.K.)
   (*Financed by the National Scholarships Foundation (IKY) of Greece*)
   Dr. Yannacopoulos is presently a Professor in the Department of Statistics of the Athens University of Economics and Business, Greece.
2. 2012 - 2015: K. Liaskos (Ph.D. NKUA)
   (*Financed by the European Social Fund and National Hellenic Sources in the framework of the «Thales» Programme*)
   Dr. Liaskos is presently a freelance Mathematics teacher.
3. 2016 - 2019: G. Fotopoulos (Ph.D. University of Oulu, Finland)
   (*Financed by the Qatar National Research Fund*)
   Dr. Fotopoulos is presently an Assistant Professor at Abu Dhabi Polytechnic, Abu Dhabi.
4. 2019 - 2021: N. Gialelis (Ph.D. NKUA)
   Dr. Gialelis is presently an Instructor in the Department of Mathematics, NKUA, Greece.
5. 2019 - 2021: V. Bitsouni (Ph.D. University of Dundee, U.K.)
   Dr. Bitsouni is presently an Assistant Professor in the Department of Mathematics of the University of Patras, Greece.

Supervision of Ph.D. Theses

1. G. Costakis (2000)
   "Mathematical Analysis of Scattering Problems of Electromagnetic Waves by Chiral Obstacles".

2. A. Ioannidis (2006)
   "Mathematical Problems of Propagation and Scattering of Electromagnetic Waves in Complex Media".
   Heraclitus Scholarship.

3. K. Liaskos (2007)
   "Deterministic and Stochastic Sobolev-type Equations and Applications in the Electromagnetic Theory of Complex Media".

4. E. Argyropoulou (2014)
   "Partial Differential Equations and Problems in Material Science". *Heraclitus Scholarship.*

5. N. Gialelis (2019)
   "On the solvability and the inviscid limit of Cauchy problems for certain classes of the Nonlinear Schrödinger Equation". *Scholarship from the National Scholarships Foundation (IKY) of Greece.*

6. N.-P. Pasiou (2023)
   "Imaging of the Functional Brain in Ellipsoidal Geometry".

Supervision of M.Sc. Theses

➢ **NKUA**
  1. D. Kontogeorgos (1996)
     Boundary value problems for the time-harmonic Maxwell equations
  2. N. Kavallaris (1997)
     The inverse acoustic scattering problem
  3. C. Kavouklis (1998)
     Spectral methods in the study of Maxwell's equations in three-dimensional unperturbed stratified media
  4. A. Ioannidis (2002)
     Scattering by rough surfaces
  5. K. Liaskos (2004)
     Stochastic Analysis in Hilbert spaces and applications to stochastic differential equations with additive noise
  6. E. Kanellopoulos (2004)
     Exact controllability of equations of Mathematical Physics
  7. A. Psillakis (2006)
     Hamilton-Jacobi equations and applications
  8. A. Arahoviti (2006)
     Integral equation methods in electromagnetic scattering theory
  9. I. Dimitrellos (2007)
     Integral equation methods in acoustic scattering theory
  10. A.-E. Morphopoulou (2007)
      A survey of sample and probe methods for inverse problems
  11. M. Haralambous (2007)
      An introduction to Quaternionic Analysis and applications in Electromagnetics

12. A. Kosti (2008)
    Potential theoretic methods in Linear Elasticity
13. E. Argyropoulou (2009)
    Well-posedness of boundary value problems in Non-Elliptic Elasticity
14. S. Petropoulou (2009)
    On the solution of the Laplace and the Poisson equations
15. G. Fotopoulos (2010)
    Calderón's problem
16. E. Kastani (2012)
    Introduction to Homogenization Theory
17. E. Handri (2012)
    The Mathematics of Computerized Tomography
18. I. Mathioudakis (2013)
    Large deviations: theory and applications
19. E. Katsara (2013)
    Mathematical Control Theory: observability of systems
20. A. Soultanopoulou (2014)
    Attainability and controllability of systems
21. S. Voudouris (2014)
    Variational inequalities and applications
22. N.-P. Pasiou (2014)
    Mathematical analysis of electroencephalography and magnetoencephalography
23. D. Avarakis (2014)
    Resolvent families of operators for autonomous systems in infinite-dimensional spaces
24. N. Gialelis (2014)
    A one-dimensional mathematical model for the study of blood flow in the human circulatory system
25. A. Alevromageiros (2015)
    Inverse problems for parabolic equations and applications in Finance
26. D. Mavridopoulos (2015)
    Variational methods in differential equations and applications
27. D. Kalotyhou (2016)
    Dispersive nonlinear wave equations
28. M. Papaioannou (2017)
    Solitons in Bose-Einstein condensates
29. A. Maltsi (2017)
    Probabilistic approaches for the description of neuron populations' density
30. G. Spanos (2017)
    Quasilinear evolution equations
31. E. Vasilopoulou (2017)
    Mathematical models in Biology
32. A. Hatziafratis (2019)
    The Fokas method for solving linear partial differential equations
33. V. Athanasakos (2020)
    Topics in the Calculus of Variations
34. E. Georgiadi (2020)
    Inverse problems in functional brain imaging
35. L. Chalou (2021)
    The Melnikov method and Shilnikov bifurcations
36. F. Stoila (2022)
    Dynamics of structured equations of infectious diseases
37. S. Choudalakis (2022)
    Network graphs of cancer mutations
38. A. Polychronou (2022)
    Axially symmetric magnetic solitons

➢ **Hellenic Open University**
  1. A. Argyris (2013)
     Nonlinear wave equations
  2. G. Klapanaris (2014)
     The Hilbert-Riemann problem

3. K. Stoforiadis (2015)
   Variational methods for boundary value problems
4. M. Sakellariou (2015)
   Continuous population models in Mathematica Biology
5. T. Gamvrinos (2015)
   An introduction to the principles of Mathematical Modelling
6. A. Broni (2016)
   Sturm-Liouville problems: basic theory and some applications
7. M. Kontouli (2017)
   Controllability of linear control systems
8. M. Liapi (2017)
   Integral equations and applications

Publications

Books

- G. F. Roach, I. G. Stratis, A. N. Yannacopoulos, *Mathematical Analysis of Deterministic and Stochastic Problems in Complex Media Electromagnetics*, Princeton U. P., 2012.
  DOI: 10.23943/princeton/9780691142173.001.0001
- V. Bitsouni, N. Gialelis, I. G. Stratis, *An Introduction to Mathematical Biology*, "Kallipos"-Hellenic Academic Open Textbooks, 2023. (in Greek)
  DOI: 10.57713/kallipos-225
  https://repository.kallipos.gr/handle/11419/9397?&locale=en

Papers in Peer-Reviewed Journals

J87. V. Bitsouni, N. Gialelis, I. G. Stratis, V. Tsilidis, From primary HPV infection to carcinoma *in situ*: a mathematical approach of cervical intraepithelial neoplasia, Stud. Appl. Math., *accepted.*
DOI:

J86. D. Hennig, N. I. Karachalios, D. Mantzavinos, J. Cuevas-Maraver, I. G. Stratis, On the proximity between the wave dynamics of the integrable focusing nonlinear Schrödinger equation and its non-integrable generalizations, J. Differential Equations, 397, 2024,106-165.
DOI: 10.1016/j.jde.2024.03.005

J85. S. Grudsky, H. R. Malonek, V. Rabinovich, I. G. Stratis, Professor Vladislav V. Kravchenko: a mathematician and a friend, J. Math. Sci., 2023.
DOI:10.1007/s10958-023-06421-1

J84. A. Chatziafratis, S. Kamvissis, I. G. Stratis, Boundary behavior for the linear KdV equation on the half-line, Stud. Appl. Math., 150, 2023, 339-379.
DOI: 10.1111/sapm.12542

J83. V. Bitsouni, N. Gialelis, I. G. Stratis, Rigorous analysis of the quasi-steady-state assumption in enzyme kinetics, Mathematics, 10, 2022, 1086.
DOI: 10.3390/math10071086

J82. V. Bitsouni, N. Gialelis, I. G. Stratis, A quantitative approach on the solvability of evolution problems in open sets of certain geometries, J. Math. Anal. Appl., 506, 2022, 125663.
DOI: 10.1016/j.jmaa.2021.125663

J81. I. G. Stratis, Chirality notions and electromagnetic scattering: a mini review. Complex Var. Elliptic Equ., 67, 2022, 740-772.
DOI: 10.1080/17476933.2021.1953491

J80. V. C. Pezoulas, O. Hazapis, N. Lagopati, T. P. Exarchos, A. V. Goules, A. G. Tzioufas, D. I. Fotiadis, I. G. Stratis, A. N. Yannacopoulos, V. G. Gorgoulis, Machine learning approaches on high throughput NGS data to unveil mechanisms of function in biology and disease, Cancer Genomics Proteomics, 18, 2021, 605-626.
DOI: 10.21873/cgp.20284

J79. N. Gialelis, N. Karachalios, I. G. Stratis, Regularity of nonvanishing-at-infinity solutions of the defocusing nonlinear Schrödinger equation, Commun. Part. Diff. Eq., 46, 2021, 233-281.
DOI: 10.1080/03605302.2020.1839762

J78. P. D. Lamberti, I. G. Stratis, On an interior Calderón operator and a related Steklov eigenproblem for Maxwell's equations, SIAM J. Math. Anal., 52, 2020, 4140-4160.
DOI: 10.1137/19M1251370

J77. G. Kristensson, I. G. Stratis, N. Wellander, A. N. Yannacopoulos, The exterior Calderón operator for non-spherical objects, SN Partial Differ. Equ. Appl. 1, article number 6, 2020, 32 pp.
`DOI: 10.1007/s42985-019-0005-x`

J76. N. Gialelis, I. G. Stratis, Novanishing at spatial extremity solutions of the defocusing nonlinear Schrödinger equation, Math. Methods Appl. Sci., 42, 2019, 4939-4956.
`DOI: 10.1002/mma.5074`

J75. A. Pantelous, K. Liaskos, I. G. Stratis, Stochastic degenerate Sobolev equations: well posedness and exact controllability, Math. Methods Appl. Sci., 41, 2018, 1025-1032.
`DOI: 10.1002/mma.4077`

J74. Z. A. Anastassi, G. Fotopoulos, D. J. Frantzeskakis, T. P. Horikis, N. I. Karachalios, P. G. Kevrekidis, I. G. Stratis, K. Vetas, Spatiotemporal algebraically localized waveforms for a nonlinear Schrödinger model with gain and loss, Physica D: Nonlinear Phenomena, 355, 2017, 24-33.
`DOI: 10.1016/j.physd.2017.06.003`

J73. I. G. Stratis, A. N. Yannacopoulos, A Bayesian approach to the inverse source problem for the parabolic approximation to the Maxwell equations, Bull. Hellenic Math. Soc., 58, 2010-2015, 43-66.

J72. A. Pantelous, K. Liaskos, I. G. Stratis, Linear stochastic degenerate Sobolev equations and applications, Internat. J. Control, 88, 2015, 2538-2553.
`DOI: 10.1080/00207179.2015.1048482`

J71. G. Barbatis, I. G. Stratis, A. N. Yannacopoulos, Homogenization of random elliptic systems with an application to Maxwell's equations, Math. Models Methods Appl. Sci., 25, 2015, 1365-1388.
`DOI: 10.1142/S0218202515500359`

J70. I. G. Stratis, A. N. Yannacopoulos, Some remarks on a class of inverse problems related to the parabolic approximation to the Maxwell equations: a controllability approach, Math. Methods Appl. Sci., 38, 2015, 3866-3878.
`DOI: 10.1002/mma.3323`

J69. C. E. Athanasiadis, D. Natroshvili, V. Sevroglou, I. G. Stratis, Mixed impedance transmission problems for vibrating layered elastic bodies, Math. Methods Appl. Sci., 38, 2015, 3264-3294.
`DOI: 10.1002/mma.3295`

J68. A. Ioannidis, G. Kristensson, I. G. Stratis, On the well-posedness of the Maxwell system for linear bianisotropic media, SIAM J. Math. Anal., 44, 2012, 2459-2473.
`DOI: 10.1137/100817401`

J67. I. G. Stratis, A. N. Yannacopoulos, Homogenisation theory for deterministic and random bianisotropic media, Composites Part B: Engineering, 43, 2012, 2513-2520.
`DOI: 10.1016/j.compositesb.2011.12.004`

J66. C. E. Athanasiadis, D. Natroshvili, V. Sevroglou, I. G. Stratis, A boundary integral equations approach for mixed impedance problems in elasticity, J. Integral Equations Appl., 23, 2011, 183-222.
`DOI: 10.1216/JIE-2011-23-2-183`

J65. C. E. Athanasiadis, D. Natroshvili, V. Sevroglou, I. G. Stratis, An application of the reciprocity gap functional to inverse mixed impedance problems in Elasticity, Inverse Problems, 26, 2010, 085011.
`DOI: 10.1088/0266-5611/26/8/085011`

J64. K. B. Liaskos, I. G. Stratis, A. N. Yannacopoulos, Stochastic PDE models for chiral media: well posedness, singular limits and a priori estimates for their validity, Bull. Greek Math. Soc., 57, 2010, 265-279.

J63. K. B. Liaskos, I. G. Stratis, A. N. Yannacopoulos, Stochastic integrodifferential equations in Hilbert spaces with applications in electromagnetics, J. Integral Equations Appl., 22, 2010, 559-590.
`DOI: 10.1216/JIE-2010-22-4-559`

J62. C. E. Athanasiadis, V. Sevroglou, I. G. Stratis, N. L. Tsitsas, Point-source elastic scattering by a nested piecewise homogeneous obstacle in an elastic environment, Math. Mech. Solids, 15, 2010, 419-438.
`DOI: 10.1177/1081286508102048`

J61. D. Natroshvili, I. G. Stratis, S. Zazashvili, Boundary integral equations in the theory of elasticity of hemitropic materials: a brief review, J. Comput. Appl. Math., 234, 2010, 1622-1630.
DOI: 10.1016/j.cam.2009.08.008

J60. T. Horsin, I. G. Stratis, A. N. Yannacopoulos, On the approximate controllability of the stochastic Maxwell equations, IMA J. Math. Control Inform., 27, 2010, 103-118.
DOI: 10.1093/imamci/dnp022

J59. D. Natroshvili, I. G. Stratis, S. Zazashvili, Interface crack problems for metallic-piezoelectric composite structures, Math. Methods Appl. Sci., 33, 2010, 539-562.
DOI: 10.1002/mma.1216

J58. C. E. Athanasiadis, G. Pelekanos, V. Sevroglou, I. G. Stratis, On the scattering of 2D elastic point-sources and related near-field inverse problems for small disks, Proc. Roy. Soc. Edinburgh Sect. A, 139A, 2009, 719-741.
DOI: 10.1017/s0308210507001059

J57. K. B. Liaskos, I. G. Stratis, A. N. Yannacopoulos, A priori estimates for a singular limit approximation of the constitutive laws for chiral media in the time domain, J. Math. Anal. Appl., 355, 2009, 288-302.
DOI: 10.1016/j.jmaa.2009.01.062

J56. K. B. Liaskos, I. G. Stratis, A. N. Yannacopoulos, Pseudoparabolic equations with additive noise and applications, Math. Methods Appl. Sci., 32, 2009, 963-985.
DOI: 10.1002/mma.1077

J55. C. Athanasiadis, V. Sevroglou, I. G. Stratis, 3D-elastic scattering theorems for point generated dyadic fields, Math. Methods Appl. Sci., 31, 2008, 987-1003.
DOI: 10.1002/mma.964

J54. D. Natroshvili, R. Gachechiladze, A. Gachechiladze, I. G. Stratis, Transmission problems in the theory of elastic hemitropic materials, Appl. Anal., 86, 2007, 1463-1508.
DOI: 10.1080/00036810701714198

J53. K. B. Liaskos, I. G. Stratis, A. N. Yannacopoulos, Well posedness of the stochastic Drude-Born-Fedorov model in electromagnetics, Bull. Greek Math. Soc., 54, 2007, 207-220.

J52. L. Castro, D. Natroshvili, I. G. Stratis, Wave scattering by an elastic obstacle with interior cuts, Math. Nachr., 280, 2007, 996-1013.
DOI: 10.1002/mana.200510531

J51. P. Courilleau, T. Horsin Molinaro, I. G. Stratis, On the controllability of Maxwell's equations in a class of complex media, Bull. Greek Math. Soc., 54, 2007, 97-113.

J50. P. Courilleau, T. Horsin Molinaro, I. G. Stratis, On the controllability of time-harmonic electromagnetic fields in chiral media, Adv. Math. Sci. Appl., 16, 2006, 491-502.

J49. C. Athanasiadis, V. Sevroglou, I. G. Stratis, Scattering relations for point generated dyadic fields in two-dimensional linear elasticity, Quart. Appl. Math., 64, 2006, 695-710.
DOI: 10.1090/s0033-569x-06-01041-0

J48. D. Natroshvili, L. Giorgashvili, I. G. Stratis, Representation formulae of general solutions in the theory of hemitropic elasticity, Quart. J. Mech. Appl. Math., 59, 2006, 451-474.
DOI: 10.1093/qjmam/hbl011

J47. D. Natroshvili, I. G. Stratis, Mathematical problems of the theory of elasticity of chiral materials for Lipschitz domains, Math. Methods Appl. Sci., 29, 2006, 445-478.
DOI: 10.1002/mma.696

J46. R. Potthast, I. G. Stratis, The singular sources method for an inverse transmission problem, Computing, 75, 2005, 237-255.
DOI: 10.1007/s00607-004-0085-z

J45. I. G. Stratis, A. N. Yannacopoulos, Electromagnetic fields in linear and nonlinear chiral media: a time-domain analysis, Abstr. Appl. Anal., 2004, 2004, 471-486.
DOI: 10.1155/s1085337504306287

J44. C. Athanasiadis, G. Costakis, I. G. Stratis, Transmission problems in contrasting chiral media, Rep. Math. Phys., 53, 2004, 143-156.
DOI: 10.1016/s0034-4877(04)90009-2

J43. D. J. Frantzeskakis, I. G. Stratis, A. N. Yannacopoulos, On equilibria of the two-fluid model in magnetohydrodynamics, Math. Phys. Anal. Geom., 7, 2004, 97-117.
DOI: 10.1023/b:mpag.0000024670.67327.0f

J42. C. Athanasiadis, G. F. Roach, I. G. Stratis, A time-domain analysis of wave propagation in chiral materials, Math. Nachr., 250, 2003, 3-16.
DOI: 10.1002/mana.200310018

J41. C. Athanasiadis, P. A. Martin, I. G. Stratis, On the scattering of point-generated electromagnetic waves by a perfectly conducting sphere and related near-field inverse problems, Z. Angew. Math. Mech., 83, 2003, 129-136.
DOI: 10.1002/zamm.200310012

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31. International 2-day meeting on Complex Harmonic and Functional Analysis and Applications, Thessaloniki (Greece), 12–13/12/2003. (Invited Speaker)
32. International Conference on the Influence of Traditional Mathematics and Mechanics on Modern Science and Technology, Messini (Greece), 24–28/5/2004. (Invited Speaker)
33. Conference in honour of V. Staikos and I. Sfikas, Ioannina (Greece), 5/6/2004. (Invited Speaker)
34. Conference on Applied Mathematics in honour of Yiannis Papadakis, Heraklion (Crete, Greece), 4–6/11/2004. (Invited Speaker)
35. 11th Hellenic Conference on Mathematical Analysis, Thessaloniki (Greece) 23–24/5/2006.
36. MAFELAP 2006, Twelfth Conference on the Mathematics of Finite Elements and Applications, Brunel University (U. K.), 13–16/5/2006.
37. Scattering Theory and Related Topics (in honour of G. Dassios for his 60th birthday), Patras (Greece), 1–2/9/2006.
38. M3ST '06, International Conference on Modern Mathematical Methods in Science and Technology, Paros (Greece), 7–9/9/2006.
39. Workshop on Analysis and its Applications, Athens (Greece), 18/6/2007.
40. Des Équations aux Dérivées Partielles au Calcul Scientifique: Congress en l' honneur de Luc Tartar à l' occasion de son soixantieme anniversaire, Paris (France), 2–6/7/2007.
41. WAVES 2007, University of Reading (U.K.), 22–27/7/2007.
42. 12th Hellenic Conference on Mathematical Analysis, Athens (Greece) 15–17/5/2008.
43. Inverse Days 2008, Tahkovuori (Finland) 15–17/12/2008
44. M3ST '09, International Conference on Modern Mathematical Methods in Science and Technology, Poros (Greece), 3–5/9/2009.
45. MMMM '11, Micromechanics and Modeling of Multifunctional Materials 2011, Thessaloniki (Greece), 14–15/7/2011.
46. M3ST '12, International Conference on Modern Mathematical Methods in Science and Technology, Kalamata (Greece), 26–28/8/2012.
47. Reaction-Diffusion Systems with Gradient Structure, Athens (Greece), 18-20/3/2013.
48. Inverse Problems: Scattering, Tomography and Identification Problems, on the occasion of Andreas Kirsch's 60th birthday, Bad Herrenalb (Germany), 8–11/4/2013. (Invited Speaker)
49. Mathematical Modelling of Wave Phenomena, Växjö (Sweden), 23–24/4/2013. (Invited Speaker)

50. One-day Workshop on Control Theory and its Applications (dedicated to Professor G. Kalogeropoulos on his retirement), Athens (Greece), 24/5/2013. (Invited Speaker)
51. International Conference on Applied Mathematics, Heraklion (Crete, Greece), 16–20/9/2013.
52. Swedish-Hellenic Workshop on Mathematical Modelling and Analysis in Complex Media Electromagnetics, Athens (Greece), 13–14/11/2013.
53. M3ST '15 International Conference on Modern Mathematical Methods in Science and Technology, Kalamata (Greece), 30/8 – 1/9/2015.
54. 11th HSTAM International Congress on Mechanics, Athens (Greece), 27-30/6/2016.
55. WIS&E 2016 «Waves in Science and Engineering 2016», Queretaro (Mexico), 22-26/8/2016. (Invited Speaker).
56. «Mathematical Analysis in Athens - Katavolos and Nestoridis», Athens (Greece), 15-19/12/2017.
57. One-day Conference dedicated to Professor F. Hadjioannou, Athens (Greece), 22/12/2017.
58. "Modern Methods, Problems and Applications of Operator Theory and Harmonic Analysis VIII (OTHA-2018)", Rostov-on-Don (Russia), 23-26/4/2018. (Plenary Speaker)
59. "Numerical Analysis of Partial Differential Equations. A conference in honor of Vassilios Dougalis", Athens (Greece), 10-11/5/2018. (Invited Speaker)
60. "First Congress of Greek Mathematicians" (FCGM-2018), Athens (Greece), 25-30/6/2018.
61. M3ST '18 International Conference on Modern Mathematical Methods in Science and Technology, Kalamata (Greece), 2-4/9/2018.
62. "Applied Mathematical Problems in Geophysics", CIME-EMS Summer School in Applied Mathematics, Cetraro (Italy), 1-5/7/2019.
63. X International Conference of the Georgian Mathematical Union, Batumi (Georgia), 2-6/9/2019. (Invited Speaker)
64. IEEE BIBE 2019, Athens (Greece), 28-30/10/2019.
65. SIAM Conference on Mathematical Aspects of Materials Science (online), 17-28/5/2021.
66. BMC2021 Mathematical Biology on the Mediterranean Coast / Online Conference, 25-27/5/2021.
67. INdAM Workshop "Analysis and Numerics of Design, Control and Inverse Problems" (online), 1-7/7/2021
68. 13th ISAAC Congress (online) 26/8/2021.
69. Hybrid Workshop on Nonlinear Waves and Dimitri's Frantzeskakis 60th birthday, Athens (Greece), 15-16/6/2022. (Invited Speaker)
70. Mini-courses in Mathematical Analysis 2022, Universitá degli studi di Padova (Italy), 20-24/6/2022.
71. 51st International Arctic Workshop, Svalbard (Sweden), 19-23/6/2022.
72. Two-day conference in honour of Professor Emeritus Gerassimos Athanassoulis, Athens (Greece), 4-5/7/2022. (Invited Speaker)
73. "Second Congress of Greek Mathematicians" (SCGM-2022), Athens (Greece), 4-8/7/2018.
74. O. A. Ladyzhenskaya centennial conference on PDE's, St. Petersburg (Russia), 16-22/7/2022 (online participation).
75. Weiglhofer Symposium on Electromagnetic Theory, Edinburgh (Scotland), 18-19/7/2022. (Invited Speaker)
76. Applied and Numerical Analysis. A conference in memoriam of Vassilios Dougalis, Heraklion (Crete, Greece), 8–10/6/2023. (Invited Speaker)
77. 3 Days on Evolution PDEs, Agropoli (Italy), 2-4/9/2024. (Invited Speaker)
78. Perturbations, Asymptotics and related Tools, Matera (Italy), 3-6/9/2024.

Invited Talks

- Università della Calabria (Italy): 1982, 1994
- University of Sussex (U. K.): 1988
- University of Balearic Islands (Spain): 1988
- Heriot-Watt University (U. K.): 1988, 2006
- University of Lisbon (Portugal): 1989
- City University, London (U. K.): 1989
- Università degli studi di Firenze (Italy): 1994
- Università degli studi di Siena (Italy): 1995

- University of Strathclyde (U. K.): 1996, 2006
- Université de Versailles (France): 1998, 2003, 2007, 2009
- École Polytechnique, Paris (France): 1998
- University of Manchester (U. K.): 1998
- University of Crete (Heraklion, Greece): 1999, 2008
- University of Glasgow (U. K.): 2000
- Universität Göttingen (Germany): 2002
- Instituto Politécnico Nacional (Mexico): 2002
- University of Aegean (Samos, Greece): 2004, 2017
- Universität Karlsruhe (Germany): 2006
- Aristotle University of Thessaloniki (Greece): 2006
- University of Reading (U. K.): 2006
- University of Aveiro (Portugal): 2008
- Instituto Superior Tecnico, Lisbon (Portugal): 2008
- University of Oulu (Finland): 2008
- University of Lund (Sweden): 2010
- Conservatoire National des Arts et Métiers, Paris (France): 2011
- Collège de France, Paris: 2011
- Linnaeus University, Växjö (Sweden): 2013, 2014
- University of Ioannina (Greece): 2015
- National Technical University of Athens (Greece): 2016
- University of Liverpool (U.K.): 2016
- INRIA Sophia Antipolis (France): 2017, 2020
- Università degli studi di Padova (Italy): 2018
- Georgian Technical University (Tbilisi, Georgia): 2019
- Hellenic Open University (Athens, Greece): 2020
- Southern Federal University (Rostov-on-Don, Russia): 2020 (e-seminar)
- Università degli studi di Padova (Italy): 2022

Editorial Work

❖ *Member of the Editorial Board*
- Journal of Mathematical Sciences (2021-)
  [Springer]
- Mathematical Methods in the Applied Sciences (2010-2024)
  [Wiley]
- Mathematics - Dynamical Systems Section (2020-2023)
  [MDPI]
- International Journal of Differential Equations (2008-2020)
  [Hindawi]
- International Journal of Computational and Applied Mathematics (2005-2023)
  [Research India Publications]
- Journal of Wavelet Theory and Applications (2006-2023)
  [Research India Publications]
- Bulletin of the Greek Mathematical Society (2008-2012)
- Mathematical Review (1981-1983) *(in Greek)*
  [Greek Mathematical Society]

❖ *Guest Editor*
- Bulletin of the Greek Mathematical Society, Special Volume "*Proceedings of the International Conference Modern Mathematical Methods in Science and Technology (M3ST '09)*" (edited with N. Alikakos, G. Barbatis and V. Dougalis), vol. 57, 2010.
- Mathematical Methods in the Applied Sciences, Special Issue "*Topics in Applied Mathematics*" (edited with G. Barbatis), vol. 37, issue 2, 2014.
- Mathematical Methods in the Applied Sciences, Special Issue "*Trends in Applied Mathematics*" (edited with G. Barbatis and V. Dougalis), vol. 41, issue 3, 2018.

Referee for the journals:

Abstract and Applied Analysis, Advances in Applied Clifford Algebras, Advances in Difference Equations, AIMS Mathematics, Applicable Analysis, Applied Numerical Mathematics, Asian Journal of Current Research, Asymptotic Analysis, Axioms, Bulletin of the Belgian Mathematical Society - Simon Stevin, Bulletin of the Hellenic Mathematical Society, Canadian Journal of Physics, Catalysts, Composites-Part B: Engineering, Computer Modeling in Engineering & Sciences, Computing, Current Nanomaterials, Conference Proceedings of Science and Technology (DergiPark Akademik), Electromagnetics, Entropy, Fractal and Fractional, Games, Frontiers in Public Health - section Infectious Diseases - Surveillance, IMA Journal on Mathematical Control and Information, International Journal of Applied Electromagnetics and Mechanics, International Journal of Applied Mathematics and Computer Science (AMCS), International Journal of Physical Sciences, Inverse Problems, Inverse Problems and Imaging, Journal of Applied Physics, Journal of Computational and Applied Mathematics, Journal of Computational Physics, Journal of Differential Equations (JDE), Journal of Dynamics and Games, Journal of Electromagnetic Waves and Applications, Journal of Fourier Analysis and Applications, Journal of the Institute of Mathematics and Computer Science: Mathematics Series, Journal of Integral Equations and Applications, Journal of Nanophotonics, Journal of the Optical Society of America A, Journal of Optics, Journal of Optics A: Pure and Applied Optics, Journal of Physics A: Mathematical and General, Journal of Physics A: Mathematical and Theoretical, Journal of Physics D: Applied Physics, Mathematical and Computer Modelling, Mathematical Methods in the Applied Sciences, Mathematical Modelling and Analysis: The Baltic Journal on Mathematical Applications, Mathematical Problems in Engineering, Mathematics, Mathematika Balkanica, Metals, Methods and Applications of Analysis, New Emirates Medical Journal, Numerical Analysis and Differential Equations, Proceedings of the Royal Society A, Progress in Electromagnetics Research (PIER), Physical Science International Journal, Physics of Fluids, Publicationes Mathematicae Debrecen, Qeios, Quarterly Journal of Mechanics and Applied Mathematics, Reports in Mathematical Physics, SIAM Journal on Applied Mathematics, SIAM Journal on Mathematical Analysis, Soochow Journal of Mathematics, Symmetry, Systems & Control Letters, Waves in Random Media, Waves in Random and Complex Media, Zeitschrift für Angewandte Mathematik und Mechanik (ZAMM), Zeitschrift für Angewandte Mathematik und Physik (ZAMP).

Conference Organising

Member of the Organising Committee

- "Scattering Theory of Acoustic Electromagnetic and Elastic Fields", Athens, September 1994.
- "Applied Mathematics in Science and Technology", Metsovo (Greece), June 1997.
- "Applied Mathematics: Waves and Patterns", Postgraduate Summer School, Athens, June 2003 (financed by EPEAEK II).
- "Service mathematics courses from the Department of Mathematics to other departments of NKUA", Athens, April 2005.
- M3ST '06 "Modern Mathematical Methods in Science and Technology 2006", Paros (Greece), September 2006.
- M3ST '09 "Modern Mathematical Methods in Science and Technology 2009", Poros (Greece), September 2009 (*Chairman of the Organising Committee*).
- M3ST '12 "Modern Mathematical Methods in Science and Technology 2012", Kalamata (Greece), August 2012.
- "One-day Workshop on Control Theory and its Applications" (dedicated to Professor G. Kalogeropoulos on his retirement), Athens, May 2013 (*Chairman of the Organising Committee*).
- "Swedish-Hellenic Workshop on Mathematical Modelling and Analysis in Complex Media Electromagnetics", Athens, November 2013 (*Chairman of the Organising Committee*).
- M3ST '15 "Modern Mathematical Methods in Science and Technology 2015", Kalamata (Greece), August 2015.
- Online Seminar on Mathematical Methods in the Theory of Electromagnetism, Dipartimento di Matematica "Tullio Levi-Civita", Universitá degli studi di Padova (Italy), since 2020. https://events.math.unipd.it/electromathseminar/home

<u>Member of the Scientific Committee</u>

- "Applied Mathematics: Waves and Patterns", Postgraduate Summer School, Athens, June 2003 (financed by EPEAEK II).
- "Contemporary Applications of Mathematics and their Exploitation in Education", Hellenic Mathematical Society, Lamia (Greece), November 2005.
- "Service mathematics courses from the Department of Mathematics to other departments of NKUA", Athens, April 2005 (*Chairman of the Scientific Committee*).
- "11th Hellenic Conference in Mathematical Analysis", Thessaloniki, May 2006.
- M3ST '09 "Modern Mathematical Methods in Science and Technology", Poros (Greece), September 2009 (*Chairman of the Scientific Committee*).
- WIS&E 2009 "Waves in Science and Engineering 2009", Mexico City, October 2009.
- IDOTA 2011 "Integral and Differential Operators and Their Applications", Aveiro, Portugal, June 2011.
- WIS&E 2011 "Waves in Science and Engineering 2011", Mexico City, November 2011.
- 28th Hellenic Conference in Mathematical Education by the Hellenic Mathematical Society "Mathematical Modelling: Applications in Science, Technology and Education", Athens, November 2011 (*Chairman of the Scientific Committee*).
- M3ST '12 "Modern Mathematical Methods in Science and Technology 2012", Kalamata (Greece), August 2012.
- WIS&E 2013 "Waves in Science and Engineering 2013", Mexico City, October 2013.
- MEME 2013 "Mathematics and Engineering in Marine and Earth Problems", Aveiro, Portugal, October 2013.
- 30th Hellenic Conference in Mathematical Education by the Hellenic Mathematical Society "Mathematics in Education, Technology and the Society", Karditsa (Greece), November 2013.
- "Swedish-Hellenic Workshop on Mathematical Modelling and Analysis in Complex Media Electromagnetics", Athens, November 2013 (*Chairman of the Scientific Committee*).
- 31st Hellenic Conference in Mathematical Education by the Hellenic Mathematical Society "Mathematical Modelling: Applications to Science, Technology and Education", Veria (Greece), November 2014.
- M3ST '15 "Modern Mathematical Methods in Science and Technology 2015", Kalamata (Greece), August 2015.
- WIS&E 2016 "Waves in Science and Engineering 2016", Queretaro, Mexico, August 2016.
- 33rd Hellenic Conference in Mathematical Education by the Hellenic Mathematical Society "Mathematics: foundation of human thought", Chania (Greece), November 2016.
- "Conference on Differential Equations and Dynamical Systems" (CDEDS 2017), Suzhou, China, September 2017 (*member of the Technical Program Committee*).
- "2nd Hellenic Conference of Young Researchers in Mathematical Sciences", Ioannina (Greece), June 2018.
- M3ST '18 "Modern Mathematical Methods in Science and Technology 2018", Kalamata (Greece), September 2018.
- "X International Conference of the Georgian Mathematical Union", Batumi, Georgia, September 2019.
- IOCMA 2023 "The 1st International Conference on Mathematics and Applications", 1 - 15 May 2023. Online.

Miscellanea

- A hybrid conference on the occasion of my retirement was held in Athens, 4 - 5 July 2023 https://conferences.uoa.gr/event/57/
- A special issue of Mathematical Methods in the Applied Sciences ("*Trends in Applied Mathematics*" (edited by G. Barbatis and A. N. Yannacopoulos), vol. , issue , 2024) was published on the occasion of my retirement.
- Member of the Scientific Committee of NKUA Press (2023 -).
- Director of the Postgraduate and the Doctoral Programme of the Department of Mathematics of NKUA, 2015 - 2018.
- Member of the General Assembly of the Department of Mathematics of NKUA, 1987 - 1994, 1995 - 2001, 2002 - 2008, 2010 - 2020, 2021 - 2022.

- Following my proposals, the following courses were designed and first introduced in the Undergraduate Programme of the Department of Mathematics of NKUA: Partial Differential Equations I (1985-86), Ordinary Differential Equations II (1990-91), Partial Differential Equations II (1992-93), Mathematical Biology (2021-22).
- Chairman of the Postgraduate Programme Coordination Committee of the Department of Mathematics of NKUA, 2015 - 2018.
- Member of the Postgraduate Programme Coordination Committee of the Department of Mathematics of NKUA, 2000 - 2018.
- Member of the Undergraduate Programme Coordination Committee of the Department of Mathematics of NKUA, 2008 - 2010, 2013 - 2018.
- Member of the Executive and Monitoring Committee of the direction "Applied Mathematics" of the Postgraduate Programme of the Department of Mathematics of NKUA, 1995 - 2018.
- Member of the Future Planning Committee of the Department of Mathematics of NKUA, 2009-2012.
- Promoter for the honorary doctorate of Professor P. E. Souganidis (University of Chicago, USA) from NKUA, 2017.
- One-month visiting position in the Université de Cergy-Pontoise (France), 2007.
- External associate for the reform of the postgraduate programme of the Department of Naval Architecture and Marine Engineering of the National Technical University of Athens, 1997-2000.
- Evaluator of research proposals for funding by the General Secretariat for Research and Technology (Ministry of Development, Greece).
- Evaluator of research proposals for funding by the (E.U. financed) PYTHAGORAS II Programme (Ministry of Education, Greece).
- Evaluator of research proposals for funding by the Programme of Basic Research Support, National Technical University of Athens (2007, 2009).
- Member of the Jury for the selection of a researcher for a 5-year contract position (2008-2013) in the University of Aveiro (Portugal) in the framework of the initiative "Ciencia 2008", from FCT-Portuguese Foundation for Science and Technology.
- Member of the Jury for the Selection of the Director of the Institute of Applied and Computational Mathematics of the Foundation for Research and Technology-Hellas (IACM, FORTH), 2009.
- External evaluator of two doctoral theses in the Department of Mathematical Sciences of the University of Oulu, Finland, 2011, 2015.
- Evaluator of proposals, Research Promotion Foundation of Cyprus, Framework Programme for Research, Technological Development and Innovation (2009-2010).
- Referee of research proposals, Czech Science Foundation, 2014.
- Reviewer of research proposals for funding by the FCT (*Portuguese Foundation for Science and Technology*), 2016.
- Reviewer of a research proposal for funding by the Marsden Fund, New Zealand, 2015.
- "Referee/reader" of proposed teaching books for the Postgraduate Programme in Mathematics of the Hellenic Open University, 2012.
- "Referee/reader" for proposed for publication mathematical monographs in the fields of Mathematical Physics and Applied Mathematics by Springer International Publisher, (2012, 2013), Chapman & Hall/CRC Press (2014), and Birkhäuser (2022).
- "Referee/reader" within the framework of the "Hellenic Academic Electronic (Text)books" project "Kallipos", 2015.
- Reviewer of research proposals for funding in the framework "Support of young reviewers" of the call "Education and Lifelong Learning", Ministry of Education, Greece, 2017.
- "Rapporteur" and member of the examination jury for 3 PhD theses in the Centre de Recherche INRIA, Sophia Antipolis - Méditerranée, France, 2017, 2020, 2021.
- Member of the Committee in "Mathematics and Information Sciences" for the decision on objections on the funding for *Research Projects to support Postdoctoral Researchers*, Hellenic Foundation for Research and Innovation, 2018.
- Member of the National Thematic Evaluation Committee in "Mathematics and Information Sciences" for *Research Projects to support Faculty Members and Researchers, and purchase high-value research equipment*, Hellenic Foundation for Research and Innovation, 2018-19.

- Member of the National Thematic Evaluation Committee in "Mathematics and Information Sciences" for *Research Projects to support Postdoctoral Researchers*, Hellenic Foundation for Research and Innovation, 2019.
- Member of the jury for the final exam of the Ph.D. Course in Scienze Matematiche - Curricolo Matematica (Ciclo/i XXXI), University of Padova, Italy, 2019.
- Member of the QS Intelligence Unit (invited by RUDN (Peoples' Friendship University of Russia) and by the University of Padova (Italy)) for the 2019 QS Global Academic Survey.
- Member of the QS Intelligence Unit (invited by RUDN (Peoples' Friendship University of Russia) and by the Universities of Padova and of Urbino (Italy)) for the 2021 QS Global Academic Survey.
- Certified Evaluator - Expert Counsellor, Hellenic Foundation for Research and Innovation, 2020 - .
- Member of the Scientific Committee for "The Greek National L'ORÉAL-UNESCO Awards", 2021, 2022.
- Member of numerous selection and/or promotion committees for various levels professors in the National and Kapodistrian University of Athens (*Departments of Mathematics, of Physics, of Informatics & Telecommunications, of Economics*), the National Technical University of Athens (*School of Applied Mathematical & Physical Sciences, School of Naval Architecture & Marine Engineering*) the Aristotle University of Thessaloniki (*School of Civil Engineering* and *the Departments of Mathematics, of Informatics*), the University of Crete (*Department of Mathematics and Applied Mathematics*), the University of Patras (*Departments of Mathematics, of Chemical Engineering*), the University of Ioannina (*Departments of Mathematics, of Materials Science & Engineering*), the University of the Aegean (*Departments of Mathematics, of Statistics & Actuarial-Financial Mathematics*), the Democritus University of Thrace (*Department of Electrical & Computer Engineering*), the Athens University of Economics & Business (*Department of Statistics*), the University of Piraeus (*Department of Statistics & Insurance Science*), the Democritus University of Thrace (*Department of Electrical & Computer Engineering*), the University of Thessaly (*Department of Civil Engineering*), the Hellenic Open University (*School of Science and Technology*), the Hellenic Naval Academy (*Section of Mathematics*), the University of Western Attica (*School of Technological Applications*), and the Academy of Athens (*Research Center of Pure and Applied Mathematics*).
- Member of a high number of (3-member) PhD Advisory Committees and (7-member) PhD Examining Committees in the: Department of Mathematics of NKUA, Department of Physics of NKUA, School of Applied Mathematical & Physical Sciences of the National Technical University of Athens, Department of Mathematics and Applied Mathematics of the University of Crete, Department of Mathematics of the Aegean University, Department of Mathematics of the University of Thessaly, School of Naval Architecture & Marine Engineering of the National Technical University of Athens, Department of Informatics of Aristotle University of Thessaloniki, Department of Chemical Engineering of the University of Patras, School of Science and Technology of the Hellenic Open University, Department of Statistics of the Athens University of Economics & Business, Department of Statistics & Insurance Science of the University of Piraeus, School of Fine Arts of the University of Western Macedonia.
- Co-organizer of the "Online Seminar on Mathematical Methods in the Theory of Electromagnetism", Department of Mathematics, University of Padova (Italy), 2020- .
- Funded, as Principal Author, by the project "*Kallipos*"- *Hellenic Academic Open Textbooks*, for co-authoring (with V. Bitsouni and N. Gialelis) an e-textbook entitled "Mathematical Biology" (in Greek). (March 2021 - December 2022).
- Member of the Administrative Committee of Π.Ο.Σ.Δ.Ε.Π. (Hellenic Federation of University Teachers Associations), 1998 - 2002.
- Member of
  - ENIP (*European Network for Inverse Problems*).
  - ISAAC (*International Society for Analysis its Applications and Computation*).
  - HMS (*Hellenic Mathematical Society*).
  - HSTAM (*Hellenic Society for Theoretical and Applied Mechanics*).