Sofia Lambropoulou

National Technical University of Athens (NTUA)
School of Applied Mathematical and Physical Sciences (SAMPS)
Zografou Campus, GR-15780 Athens, Greece
Phone : +30 210 772 1346
E-mail : `sofia@math.ntua.gr`
Url: http://www.math.ntua.gr/~sofia/

Research Interests

Knot theory; low-dimensional topology; algebraic and diagrammatic representations of knots; braid theory; knots and braids in 3-manifolds; quotient algebras of braid groups & construction of Jones-type invariants; knotoids, braidoids & knotoid invariants, applications of knots, braids and knotoids to physics, chemistry and biology; applications of topological surgery to natural processes.

Academic Qualifications

- Qualification Maître de Conférence, French Ministry of Education, Sept. 2002.
- Ph.D., University of Warwick, UK, July 1993 (Advisor - C.P. Rourke).
- M.Sc., University of Warwick, UK, September 1989.
- B.Sc., University of Athens, Greece, 1988.

Academic Positions

- 2013 – : Professor, National Technical University of Athens, Greece.
- 2000 – 2012: Associate Professor, National Technical University of Athens, Greece.
- 2003 – 2004: Visiting Maître de Conférences, Université de Caen, France.
- 1996 – 2000: C1-Stelle, Georg-August-Universität Göttingen, Germany.
- 1995 – 1996: Postdoctoral Research Fellow, University of Athens, Greece.
- 1993 – 1995: Postdoctoral Research Fellow, University of Cambridge, UK.

Scholarships - Fellowships - Awards

- 1995 – 1996: European Commission Return Fellowship, Training & Mobility of Researchers scheme.
- 1993 – 1995: European Commission Individual Postdoctoral Research Fellowship, Human Capital and Mobility Scheme.
- 1990 – 1993: Greek State Scholarship Foundation doctoral grant.
- 1989 – 1990: Onassis Foundation PhD scholarship.
- 1989 : University of Warwick Award.

Committees - Administrative Positions

- Member of the Scientific Commission "Sciences Exactes et Naturelles 2" (SEN-2) of the Fund for Scientific Research-FNRS, Belgium, since 2022.
- Vice-Chair of the Sectorial Scientific Council of *Natural Sciences and Mathematics* of the National Council for Research, Technology and Innovation, October 2020 – Feb. 2023.
- Member of the *Advisory Committee* of the Hellenic Foundation for Research and Innovation, June 2021 – June 2023.
- Member of the Scientific Advisory Committee of the Conference 'Knot theory and Applications', Satellite Conference of the ICM-2022, June 29 July 5, 2022, Tomsk, Russia.
- Chair of the NTUA Committee on Gender Equality and Combating Discrimancy, since March 2024.
- Vice-Chair of the NTUA Senate Committee for Basic Research, since January 2020.
- Director, Department of Mathematics, SAMPS, NTUA (September 2019 – August 2021).
- Director of the Postgraduate programme *Mathematical Modeling in Modern Technologies and Financial Engineering*, SAMPS, NTUA (since September 2019).
- Member of the Deanery Committee, SAMPS, NTUA (September 2019 – August 2024).
- Country Coordinator for the Association *European Women in Mathematics*, since October 2020.
- Member of the Administrative Committee of Model & Experimental Schools, Greek Ministry of Education, since December 2020.
- Chair of the Scientific Advisory Council of the Varvakeion Model Gymnasium, January 2020 - June 2021.

- Elected member of the Council of the Hellenic Mathematical Society (March 2017–March 2019).

Honours

- Online celebration of my 60th birthday with math friends from all over the world. Organized by ex-students Ioannis Diamantis, Eleni Panagiotou and Neslihan Gügümcü, 2 Dec. 2023.
- Honoured to give the panegyrical opening talk at the 14th Conference “Greek language and terminology" dedicated to Hypatia, 9–11 Nov. 2023.
- Distinguished invited speaker at the 3rd International Conference "Women in Mathematics in South-Eastern Europe", December 8 - 9, 2022, Sofia, Bulgaria.
- Invited chapter in the *Concise Encyclopedia of Knot Theory*, 2021; Taylor & Francis; C. Adams, A. Henrich, L.H. Kauffman, and L. Ludwig, Eds.
- Honoured with representing Greece in the exhibition *“Women of mathematics throughout Europe”*, which was inaugurated at the 8th European Congress of Mathematics in Portoroz, July 2021 (interviewed & portrayed in Geneva, February 2019).

Publications in Scientific Journals and Refereed Proceedings

1. (with A. Kontogeorgis) Framed Thompson Groups, *J. Knot Theory Ramif.*, Special issue dedicated to the memory of V.F.R. Jones (2023) 2303003, DOI: 10.1142/S0218216523030037.
2. (with D. Kodokostas) Knot invariants for rail knotoids, *J. Knot Theory Ramif.* 32 (2023), Issue No. 6, 2340012.
3. (with M. Manouras, and L.H. Kauffman) Finite type invariants for knotoids, in *European J. Combinatorics* 98, 103402. 10.1016/j.ejc.2021.103402, 2021.
4. (with M. Chlouveraki, D. Goundaroulis and A. Kontogeorgis) A generalized skein relation for Khovanov homology and a categorification of the θ-invariant, in *The Royal Society of Edinburgh Section A: Mathematics*, doi:10.1017/prm.2020.78.
5. (with S. Antoniou and L. H. Kauffman) Black holes and topological surgery, in *J. Knot Theory Ramif.*.
6. (with N. Gügümcü) Braidoids, in *Israel J. Math.* (2018).
7. (with L. H. Kauffman) New skein invariants of links, *J. Knot Theory Ramif.* 28 (2019), Issue No. 13, 1940018.
8. (with S. Antoniou and L. H. Kauffman) Detecting and visualizing 3-dimensional surgery, *J. Knot Theory Ramif.* 28 (2019), Issue No. 13, 1940015.

9. (with D. Kodokostas) Rail knotoids, *J. Knot Theory Ramif.* 28 (2019), Issue No. 13, 1940019.

10. (with I. Diamantis) An important step for the computation of the HOMFLYPT skein module of the lens spaces $L(p,1)$ via braids, *J. Knot Theory Ramif.*, 28 (2019), No. 11, special issue dedicated to the Proceedings of the *International Conference on Knots, Low-dimensional Topology and Applications - Knots in Hellas 2016*.

11. (with D. Goundaroulis) A new 2-variable generalization of the Jones polynomial, *J. Knot Theory Ramif.*, 28 (2019), Issue No. 11, 1940005.

12. (with S. Antoniou and L. H. Kauffman) Topological surgery in cosmic phenomena, *Adv. Theor. Math. Phys.* (2019), 23, No. 3.

13. (with M. Chlouveraki, J. Juyumaya and K. Karvounis) Identifying the invariants for classical knots and links from the Yokonuma-Hecke algebras, *Int. Math. Res. Notices* (2018), 74 p., doi : 10.1093/imrn/rny013.

14. (with D. Kodokostas) A spanning set and potential basis of the mixed Hecke algebra on two fixed strands, *Mediterr. J. Math.* (2018), 15:192, https://doi.org/10.1007/s00009-018-1240-7.

15. (with N. Gügümcü) Knotoids, braidoids and applications, *Symmetry* 9 (2017), No.12, 315 (issue cover).

16. (with L.H. Kauffman) Skein invariants of links and their state sum models, *Symmetry* 9 (2017), No.10, 226.

17. (with S. Antoniou)Extending Topological Surgery to Natural Processes and Dynamical Systems, *PLoS ONE* 12 (2017), No.9: e0183993.

18. (with D. Goundaroulis, N. Gügümcü, J. Dorier, A. Stasiak and L. H. Kauffman) Topological models for open knotted protein chains using the concepts of knotoids and bonded knotoids, *Polymers*, Special issue on *Knotted and Catenated Polymers*, D. Racko and A. Stasiak, Eds.; (2017), 9, No.9, 444.

19. (with M. Flores and J. Juyumaya) A Framization of the Hecke algebra of type B, *J. Pure Appl. Algebra* (2017).

20. (with D. Kodokostas) Hecke-type quotients of the mixed braid group with two fixed identity strands, in *Algebraic Modeling of Topological and Computational Structures and Applications*, THALES, Athens, Greece, July 1–3, 2015, *Springer Proceedings in Mathematics & Statistics (PROMS)*, Vol. 219; S. Lambropoulou, P. Stefaneas, D. Theodorou and L.H. Kauffman, Eds; 2017; https://doi.org/10.1007/978-3-319-68103-0.

21. (with D. Goundaroulis) Classical link invariants from the framizations of the Iwahori–Hecke algebra and the Temperley–Lieb algebra of type *A*, *J. Knot Theory Ramif.* 26 (2017), No.9.

22. (with S. Antoniou) Topological Surgery, Dynamics and Applications to Natural Processes, *J. Knot Theory Ramif.* 26 (2017), No.9.

23. (with D. Goundaroulis, J. Juyumaya and A. Kontogeorgis) Framization of the Temperley–Lieb Algebra, *Math. Res. Lett.* 24 (2017), No.2, 299–345.

24. (with I. Diamantis and J. Przytycki) Topological steps toward the HOMFLYPT skein module of the lens spaces $L(p,1)$ via braids, *J. Knot Theory Ramif.* 25 (2016), No.14.

25. (with S. Chmutov, S. Jablan and K. Karvounis) On the link invariants from the Yokonuma–Hecke algebras, *J. Knot Theory Ramif.* 25 (2016), No.9.

26. (with I. Diamantis) Braid equivalences in 3-manifolds with rational surgery description, *Topology Applications* (2015).

27. (with I. Diamantis) A new basis for the Homflypt skein module of the solid torus, *J. Pure Appl. Algebra* (2015).

28. (with J. Juyumaya) On the framization of knot algebras, in *New Ideas in Low-Dimensional Topology*, L.H. Kaufffman, V. Manturov, Eds; Ser. Knots Everything, *World Scientific Press*, (2015).

29. (with D. Goundaroulis, J. Juyumaya and A. Kontogeorgis) The Yokonuma-Temperley-Lieb Algebra, *Banach Center Pub.* 103, pp.73–95 (2014), DOI:10.4064/bc103-0-3.

30. (with M. Chlouveraki) The Yokonuma–Hecke algebras and the HOMFLYPT polynomial, *J. Knot Theory Ramif.* 22 (2013), No.14.

31. (with J. Juyumaya) p-adic framed braids II, *Advances Math.* 234 (2013), 149–191.

32. (with E. Panagiotou and K. Millett) Quantifying entanglement for collections of chains in periodic boundary conditions models, in *Procedia IUTAM: Topological Fluid Dynamics II*, 7 (2013), 251–260.

33. (with E. Panagiotou, K. Millett, C. Tzoumanekas and D.N. Theodorou) A study of the entanglement in systems with periodic boundary conditions, *Prog. Theor. Phys. Supplement* 191 (2011), 172–181.

34. (with E. Karali and D. Koutsouris) Elastic models: a comparative study applied to retinal images, *Technology and Health Care*, vol. 19, 1–13, IOS Press, (2011).

35. (with L.H. Kauffman) A categorical model for the virtual braid group, in *LAGB Communications in Algebra* 39 (2011), No. 12, special issue for Miriam Cohen; L. Rowen, H.J. Schneider, Eds.; Taylor & Francis.

36. (with L.H. Kauffman) Hard Unknots and Collapsing Tangles, in *Introductory Lectures on Knot Theory* with subtitle *Selected Lectures presented at the Advanced School and Conference on Knot Theory and its Applications to Physics and Biology*, ICTP, Trieste, Italy, 11–29 May 2009; L.H. Kauffman, S. Lambropoulou, J.H. Przytycki, S. Jablan, Eds.; *Ser. Knots Everything*, vol. 46; World Scientific Press, (2011); pp. 187–247.

37. (with E. Karali, S. Pavlopoulos and D. Koutsouris) ISWLS: Novel algorithm for image reconstruction in PET, *IEEE Transactions on Information Technology in Biomedicine* 15 (2011), No. 13, 381–386.

38. (with E. Androulaki, I. Economou and J. Przytycki) Inductive construction of 2-connected graphs for analyzing the virial coefficients in thermodynamics, *J. Phys. A: Math. Theor.* 43 (2010).

39. (with J. Juyumaya) (2011) An Adelic Extension of the Jones Polynomial. In: Banagl M., Vogel D. (eds) The Mathematics of Knots. Contributions in Mathematical and Computational Sciences, vol 1. Springer, Berlin, Heidelberg.

40. (with E. Panagiotou and K.C. Millett) The linking number and the writhe of uniform random walks and polygons in confined space, *J. Phys. A: Math. Theor.* 43 (2010).

41. (with J. Juyumaya) An invariant for singular knots, *J. Knot Theory Ramif.* 18 (2009), No. 6, 825–840.

42. L-moves and Markov theorems, *J. Knot Theory Ramif.* 16 (2007), No. 10, 1–10.

43. (with J. Juyumaya) p-adic framed braids, *Topology and its Applications* 154 (2007), No. 8, 1804–1826.

44. (with L.H. Kauffman) Unknots and Molecular Biology, *Milan J. Math.* 74 (2006), 227–263.

45. (with L.H. Kauffman) Virtual braids and the L-move, *J. Knot Theory Ramif.* 15 (2006), No. 6, 773–811.

46. (with C.P. Rourke) Algebraic Markov equivalence for links in 3-manifolds, *Compositio Mathematica* 142 (2006), 1039–1062.

47. (with L.H. Kauffman) Virtual braids, *Fundamenta Mathematicae* 184 (2004), 159–186.

48. (with L.H. Kauffman) On the classification of rational tangles, *Advances Applied Math.* 33 (2004), No. 2, 199–237.

49. (with L.H. Kauffman) On the classification of rational knots, *L'Enseignement Mathématique* 49 (2003), 357–410.

50. (with L.H. Kauffman) Classifying and applying rational knots and rational tangles, in *Physical Knots: Knotting, Linking and Folding Geometric Objects in* $\mathbb{R}^3$; J.A. Calvo, K.C. Millett, E.J. Rawdon, Eds.; *Contemporary Mathematics Series*, vol. 304; AMS Prov. RI, 2002; pp. 223–258.

51. (with R. Häring-Oldenburg) Knot theory in handlebodies, *J. Knot Theory Ramif.* (2002), 11, No. 6, 921–943.

52. Braid structures in knot complements, handlebodies and 3-manifolds, in *Knots in Hellas '98 (Delphi)*, Ser. Knots Everything, Vol. 24, pages 274–289. World Sci. Publ., River Edge, NJ, (2000).

53. Knot theory related to generalized and cyclotomic Hecke algebras of type B, *J. Knot Theory Ramif.* (1999), 8, No. 5, 621–658.

54. (with C.P. Rourke) Markov's theorem in 3-manifolds, *Topology Appl.* 78 (1997), 95–122.

55. (with M. Geck) Markov traces and knot invariants related to Iwahori–Hecke algebras of type B, *J. reine angew. Math.* 482 (1997), 191–213.

56. Solid torus links and Hecke algebras of B-type, in *Quantum Topology*; D.N. Yetter Ed.; World Scientific Press, (1994); pp. 225–245.

Papers submitted for publication

1. (with I. Diamantis and S. Mahmoudi), Equivalence of doubly periodic tangles.

2. (with P. Cavicchioli) Passing from plat closure to standard closure of braids in $\mathbb{R}^3$, in handlebodies, and in thickened surfaces.

3. (with P. Cavicchioli) The mixed Hilden braid group and the plat equivalence in handlebodies.

4. (with I. Diamantis and S. Mahmoudi), Directional invariants of doubly periodic tangles.

Papers in Preparation

1. (with I. Diamantis and S. Mahmoudi), On the combinatorics of doubly periodic tangles.

2. (with I. Diamantis and L.H. Kauffman), Topological bonded knots and bonded knotoids.

3. (with A. Cattabriga and P. Cavicchioli), Braid equivalences for surface braids.

Monographs in Preparation

1. “Braid structures and braid equivalences in 3-manifolds", for the Series of Knots and Everything, World Scientific Publ. Co. [By invitation, in advanced stage]

2. (with D. Buck and L.H. Kauffman) “Topology, Knots and DNA", for Cambridge University Press. [By invitation, in mature stage]

3. (with I. Diamantis, B. Gabrovsek and A. Cattabriga) “On the knot theory of lens spaces", for Walter De Gruyter. [By invitation, in initial stage]

Preprints – Technical Reports

1. (with N. Gügümcü) Braidoids, *Oberwolfach Preprints OWP* (2020).

2. (joint work with S. Antoniou, N. Samardzija, I. Diamantis) Topological Surgery and Dynamics, *MF Oberwolfach Report* 26 (2014), (Workshop: Algebraic Structures in Low-Dimensional Topology).

3. (with M. Chlouveraki) The 2-variable Jones polynomial and the invariants from the Yokonuma–Hecke algebras, *MF Oberwolfach Report* 28 (2012).

4. (with L.H. Kauffman) A Categorical Model for the Virtual Braid Group, in *J. Knot Theory Ramif.* 21 (2012), No. 13, 1240008 - Special Issue on Virtual Knot Theory, Vol. I.

5. Braid equivalences and the L-moves, *Oberwolfach Preprints OWP* 20 (2011).

6. (with J. Juyumaya) Invariants of framed links and p-adic framed links, *MF Oberwolfach Report* 22 (2008), pp. 1192–1195.

7. (with L.H. Kauffman) Virtual braids, Rapport de recherche 41 (2004), *Université de Caen CNRS UMR* 6139.

8. (with C.P. Rourke) Algebraic Markov equivalence for links in 3-manifolds, Rapport de recherche 40 (2004), *Université de Caen CNRS UMR* 6139.

9. Braid groups related to knot complements, handlebodies and 3-manifolds, *Mathematica Gottingensis*, Heft 01 (2000).

10. Knot theory related to generalized and cyclotomic Hecke algebras of type B, *Mathematica Gottingensis*, Heft 25 (1997).

11. (with C.P. Rourke) Markovs theorem in 3-manifolds, *Mathematica Gottingensis*, Heft 46 (1995).

12. (with M. Geck) Markov traces and knot invariants related to Iwahori–Hecke algebras of type B, *Mathematica Gottingensis*, Heft 25 (1995).

13. On Markovs theorem, *Warwick University Preprint* 30 (1992).

Chapters in Books – Survey Papers

1. Diagrammatic representations of knots and links as closed braids, in the *Concise Encyclopedia of Knot Theory*, 2019; C. Adams, A. Henrich, L.H. Kauffman, and L. Ludwig, Eds.; by invitation.

2. (with D. Kodokostas) Rail isotopy. Proceedings of the *1st Congress of Greek Mathematicians*, Athens, Greece, HMS, 2019, 79–84.

3. (with L.H. Kauffman) Extending the classical skein. In “Knots, Low-dimensional Topology and Applications" with subtitle “Proceedings of the *International Conference on Knots, Low-dimensional Topology and Applications - Knots in Hellas 2016*", *Springer Proceedings in Mathematics & Statistics (PROMS)* Vol. 284; C. Adams et al, Eds; 2019.

4. (with N. Gügümcu and L.H. Kauffman) A survey on knotoids, braidoids and their applications. In “Knots, Low-dimensional Topology and Applications" with subtitle “Proceedings of the *International Conference on Knots, Low-dimensional Topology and Applications - Knots in Hellas 2016*", *Springer Proceedings in Mathematics & Statistics (PROMS)*; C. Adams et al, Eds.

5. (with S. Antoniou and L.H. Kauffman) Topological surgery in the small and in the large. In “Knots, Low-dimensional Topology and Applications" with subtitle “Proceedings of the *International Conference on Knots, Low-dimensional Topology and Applications - Knots in Hellas 2016*", *Springer Proceedings in Mathematics & Statistics (PROMS)*; C. Adams et al, Eds.

6. On Mathematics in general, on Topology specifically and on Knot Theory more specifically (in Greek), Chapter in *Thoughts about Mathematics, 100 years Hellenic Mathematical Society*, 2018, F. Kalavassis Ed.; special edition HMS for the centennial of the HMS.

7. Forward in *Springer Theses Book Series*, Ph.D. thesis of Stathis Antoniou "Mathematical modeling through topological surgery and applications", National Technical University of Athens, December 2017, Springer International Publishing. DOI: 10.1007/978-3-319-97067-7, 2018.

8. (with S. Antoniou) Topological Surgery in Nature, in *Algebraic Modeling of Topological and Computational Structures and Applications*, THALES, Athens, Greece, July 1–3, 2015, *Springer Proceedings in Mathematics & Statistics (PROMS)*, Vol. 219; S. Lambropoulou, P. Stefaneas, D. Theodorou and L.H. Kauffman, Eds; 2017.

9. (with I. Diamantis) On the HOMFLYPT skein module of the lens spaces $L(p,1)$ via braids, in *Algebraic Modeling of Topological and Computational Structures and Applications*, THALES, Athens, Greece, July 1–3, 2015, *Springer Proceedings in Mathematics & Statistics (PROMS)*, Vol. 219; S. Lambropoulou, P. Stefaneas, D. Theodorou and L.H. Kauffman, Eds; 2017.

10. (with K. Karvounis) Link invariants from the Yokonuma–Hecke algebras, in *Algebraic Modeling of Topological and Computational Structures and Applications*, THALES, Athens, Greece, July 1–3, 2015, *Springer Proceedings in Mathematics & Statistics (PROMS)*, Vol. 219; S. Lambropoulou, P. Stefaneas, D. Theodorou and L.H. Kauffman, Eds; 2017.

11. Knts in Hellas 2016: Exploring the world of advanced mathematics, *IOA Journal* 10 (2016), 48–50.

12. (with S. Carter, D. Crowe, G. Darvas, A. Henrich, D. Huylebrouck, J. Kapraff, L.H. Kauffman, J.H. Przytycki, L. Radović, R. Sazdanovic, V.W. de Spinadel and A. Zeković) Remembering Slavik Jablan, *J. Knot Theory Ramif.* 25, No. 9 (2016) 1602002.

13. (with D. Crowe, G. Darvas, D. Huylebrouck, J. Kapraff, L.H. Kauffman, J.H. Przytycki, L. Radović, R. Sazdanovic, V.W. de Spinadel, A. Zeković and Symmetry Editorial Office) *Obituary* In Memoriam: Slavik Jablan 1952–2015, *Symmetry* 07/2015; 7(3):1261–1274.

14. (with L.H. Kauffman) A categorical model for the virtual braid group, MF Oberwolfach Preprints OWP 2011–19.

15. Braid equivalences and the L-moves, in *Introductory Lectures on Knot Theory* with subtitle *Selected Lectures presented at the Advanced School and Conference on Knot Theory and its Applications to Physics and Biology*, ICTP, Trieste, Italy, 11–29 May 2009; L.H. Kauffman, S. Lambropoulou, J.H. Przytycki, S. Jablan, Eds.; Ser. Knots Everything, vol. 46; World Scientific Press, 2011; pp. 281–320. See also ArXiv.

16. (with L.H. Kauffman) Tangles, Rational Knots and DNA, in *Lectures on Topological Fluid Mechanics*; Lectures given at the C.I.M.E. Summer School held in Cetraro, Italy, July 2–10, 2001, Berger et al., R.L. Ricca Ed.; Lecture Notes in Mathematics, Vol. 1973; Springer, 2009, pp. 99–138 (3rd chapter).

17. (with L.H. Kauffman) The L-move and virtual braids, in *Intelligence of Low Dimensional Topology 2006*; J.S. Carter, S. Kamada, L.H. Kauffman, A. Kawauchi, T. Kohno, Eds.; *Ser. Knots Everything*, vol. 40; World Sci. Publ. Co., 2007; pp. 133–142.

18. (with J. Juyumaya) p-adic framed braids and p-adic Markov traces", in Intelligence of Low Dimensional Topology 2006; J.S. Carter, S. Kamada, L.H. Kauffman, A. Kawauchi, T. Kohno, Eds.; Ser. Knots Everything, vol. 40; World Sci. Publ. Co., 2007; pp. 75–84.

19. (with L.H. Kauffman) Unknots and DNA, in *Current Developments in Mathematical Biology*; K. Mahdavi, R. Culshaw, J. Bucher Eds.; Ser. Knots Everything, vol. 38; World Sci. Publ. Co., 2007; pp. 39–68.

20. (with J. Juyumaya) p-adic framed braids, in *Proceedings of the 6th Panhellenic Conference in Algebra and Number Theory*, Thessaloniki, June 10–12, 2006; Th. Theohari-Apostolidi, H. Charalambous, Eds.; Aristotle University of Thessaloniki Publ., 2006; pp. 69–80.

21. (with L.H. Kauffman) From tangle fractions to DNA, in *Topology in Molecular Biology; Proceedings of the International Workshop and Seminar on Topology in Condensed Matter Physics*, Dresden, 16–23 June 2002, M. Monastirsky Ed.; Springer Verlag, 2006.

Citations

2065 (Google Scholar) – including self-references
h-index = 26 (Google Scholar)

Selected Citations in Monographs and Books (not updated)

1. Kamada, S. “Braid and Knot Theory in Dimension Four", *Mathematical Surveys and Monographs*, Vol. 95, AMS 2002 (cites 3, 4).

2. Burde, G.; Zieschang, H. “Knots" 2nd revised and extended edition, *Walter de Gruyter* Berlin•New York 2003 (cites 1, 2, 3, 4, 5).

3. Cromwell P. “Knots and Links", illustrated ed., *Cambridge University Press*, 2004 (cites 7, 8, 9).

4. Jablan, S.; Sazdanovic, R., “LinKnot - Knot Theory by Computer", *Series Knots Everything*, vol. 21, World Scientific, 2007 (cites 7, 8, 9, 13-arXiv).

5. Kassel, C.; Turaev, V., “Braid groups", *GTM Springer* 2008 (2nd edition).

Scientific Administrator of Grants

1. 2023 – 2024: Ministry of Development financing for the internationalisation of the MSc Programme Mathematical Modeling in Modern Technologies and Financial Engineering. Budget: 30,000 EUR.
2. May 2023: STMS travel grant from the COST Action CA17139 EUTOPIA for the visit of Paolo Cavicchioli to NTUA.
3. July 2022: Onassis' Scholars Association grant for organising the 1st workshop of Greek Women in Mathematics, 11-12 July 2022, NTUA. Budget: 3000 EUR.
4. 2012 – 2015: *Algebraic modeling of topological and computational structures and applications*, Research program THALES, MIS 380154, co-financed by Greece & the EU. Involved 56 researchers worldwide. Budget: 540,000 EUR.
5. 2012 – 2014: *Hecke algebras and braid groups associated with complex reflection groups*, program of the General Secretariat of Research and Technology & the EU for the post-doctoral researcher Maria Chlouveraki. Budget: 150,000 EUR.
6. 2010 – 2013: *Topological methods for measuring polymer entanglements*, Research program IRAKLEITOS of the Greek Ministry of Education & the EU for the doctoral student Eleni Panagiotou. Budget: 45,000 EUR.
7. 2011 – 2012: P2010 Basic Research grant of the National Technical University of Athens. Budget: 15,000 EUR.
8. 2009 – 2011: P2008 Basic Research grant of the National Technical University of Athens. Budget: 15,000 EUR.
9. 2006 – 2008: LEUKIPPOS Basic Research grant of the National Technical University of Athens. Budget: 15,000 EUR.
10. 2002 – 2004: Mathematics Education in Engineering, EC Programme TEMPUS JEP-16119-2001 with the Technical Univ. of Tirana and the Univ. of Trieste. Budget: 220,915 EUR.
11. 1998: Knots in Hellas '98, Euroconferences EC Programme ERBFMMACT980409, Delphi 7–15 August 1998. Budget: 72,000 EUR.

Research Visits by Invitation/after Successful Proposal

1. Univ. of Valparaiso (Chile), 1 week in July 2023 (J. Juyumaya).
2. Research Center in Biodiversity and Genetic Resources, University of Porto, Portugal, 14–19 November 2017 (G. Gomes).
3. Univ. de Versailles (France), 1 March31 August 2017 (M. Chlouveraki).

4. MF Oberwolfach, Germany, 2 weeks in July 2017 (Research In Pairs with L.H. Kauffman).
5. Univ. of Valparaiso (Chile), 1 week in November 2015 (J. Juyumaya).
6. MF Oberwolfach, Germany, 1 week in April 2015 (Research In Pairs with I. Diamantis and B. Gabrovsek).
7. Univ. de Versailles (France), 1 week in November 2014 (M. Chlouveraki).
8. Minneapolis, USA, 1 week July 2013 (Research collaboration with N.Samardzija).
9. Belgrade University and Serbian Academy of Sciences, Serbia, 1 week in April 2013 (S. Jablan).
10. MF Oberwolfach, Germany, 1 week in February 2013 (Research In Pairs with S. Klaus).
11. MF Oberwolfach, Germany, 1 week in November 2012 (Research In Pairs with S. Klaus).
12. MF Oberwolfach, Germany, 1 week in December 2011 (Research In Pairs with L.H. Kauffman and D. Buck).
13. MF Oberwolfach, Germany, 2 weeks in March 2011 (Research In Pairs with K. Karvounis and S. Chmutov).
14. Abdus Salam School of Mathematical Sciences (ASSMS) Lahore - Pakistan, invited for any duration from 1 month to 1 year (A.D.R. Choudary Director General). Did not realize the visit.
15. MF Oberwolfach, Germany, 2 weeks in July 2010 (Research In Pairs with L.H. Kauffman).
16. Univ. of Valparaiso (Chile), 1 week in December 2010 (J. Juyumaya).
17. Univ. of Valparaiso (Chile), 2 weeks in March 2009 (J. Juyumaya).
18. Univ. of Valparaiso (Chile), 2 weeks in Feb. 2008 (J. Juyumaya).
19. Univ. of Illinois at Chicago (USA), 2 weeks in April 2007 (L.H. Kauffman).
20. Univ. of Illinois at Chicago (USA), 1 week in April 2006 (L.H. Kauffman).
21. MF Oberwolfach, Germany, 2 weeks in July 2005 (Research In Pairs with L.H. Kauffman).
22. Univ. of Illinois at Chicago (USA), 2 weeks in Sept. 2005 (L.H. Kauffman).
23. Univ. of Illinois at Chicago (USA), 2 weeks in Jan. – Feb. 2005 (L.H. Kauffman).
24. Univ. of Valparaiso (Chile), 2 weeks in August 2005 (J. Juyumaya).
25. Univ. of Valparaiso (Chile), 2 weeks in Nov. 2003 (J. Juyumaya).
26. Univ. de Caen (France), 1 month in February 2003 (P. Dehornoy).

27. Univ. of Madison (USA), 1 week in February 2002 (A. Ram).
28. Univ. of Illinois at Chicago (USA), 1 week in November 2001 (L.H. Kauffman).
29. Univ. of Illinois at Chicago (USA), 2 weeks in February 2001 (L.H. Kauffman).
30. Univ. of Illinois at Chicago (USA), 2 weeks in April 2000 (L.H. Kauffman).
31. Max-Planck-Institut für Mathematik, Bonn (Germany), 4 days, April 1999 (A. Stoimenow & F. Hirzebruch).
32. Univ. of Illinois at Chicago (USA), 1 week in October 1999 (L.H. Kauffman).
33. Univ. of Illinois at Chicago (USA), 1 week in April 1999 (L.H. Kauffman).
34. Polish Academy of Science, Warsaw (Poland), 1 week, August 1997 (B. Jakubczyk & P. Traczyk).
35. Univ. de Paris VII Denis Diderot (France), 1 week, Sept 1996 (M. Geck).
36. Univ. de Paris VII Denis Diderot (France), 1 week, June 1996 (M. Geck).
37. Polish Academy of Science, Warsaw (Poland), 2 weeks, March–April 1996 (B. Jakubczyk & P. Traczyk).
38. Göttingen Univ. (Germany), 4 months, May–August 1995 (T. tom Dieck).
39. Göttingen Univ. (Germany), 7 weeks, June–July 1994 (T. tom Dieck).
40. Columbia Univ. N.Y. (USA), 4 weeks, March 1994 (J. Birman).
41. Göttingen Univ. (Germany), 2 weeks, February 1994 (T. tom Dieck).
42. Univ. of Texas at Austin (USA), 5 weeks, April–May 1993 (K. Uhlenbeck & C. Gordon).
43. Odense University (Denmark), 2 weeks, March 1993 (J. Przytycki).

Organisation of Meetings and Workshops

1. Co-organizer (with A. Cattabriga, P. Cavicchioli, L.H. Kauffman) of the Special Session "Knot theory and applications" of the Joint Meeting UMI (Unione Matematica Italiana)- AMS (American Mathematical Society) 2024, 23-26 July 2024, Palermo.
2. Co-organizer (with M. Chlouveraki, V. Gazaki, P. Spilioti) of the 1st workshop of Greek Women in Mathematics, 11-12 July 2022, NTUA.
3. Co-organizer (with C. Adams, L.H. Kauffman) of the Oberwolfach Seminar ID 2147b: *Combinatorial and Geometric Knot Theory*, 21-27 November 2021 [after competitive proposal evaluation].
4. Member of the Organizing Committee of the workshop "The Mathematics in the era of the 4th Industrial Revolution", NTUA, National Research Foundation, 29-30 May 2019.

5. Co-organizer (with M. Loulakis, A. Papapantoleon) of the journée *Mathematics: Applied or Knot* for the Year of Mathematics 2018 for Greece (with talks and math theatricals of Colin Adams), NTUA, Athens, 8 October 2018.

6. Co-organized with the HMS and the Municipality of Zaharo, in August 2018, a historical journée on the lifes and works of great mathematicians from our region who influenced generations of mathematicians in Greece, for the first time, in the framework of the *Year of Mathematics 2018 for Greece - 100 Years of HMS*.

7. Member of the Central Organizing Committee of the *First Congress of Greek Mathematicians*, Hellenic Mathematical Society & NKU Athens, Greece, 25–30 June 2018.

8. Member of the Scientific Committee of the 34th Panhellenic Meeting on Mathematical Education, Hellenic Math. Soc., Lefkada, Greece, 3–5 Nov. 2017.

9. Main organizer of the International Conference on *Knots, Low-Dimensional Topology and Applications; Knots in Hellas 2016*, International Olympic Academy (IOA), Greece, 10–16 July 2016. (Co-organizers: V.F.R. Jones, L.H. Kauffman, C. Adams, C. Gordon, K. Millett, J. Przytycki, R. Ricca, R. Sazdanovic.) See TO BHMA science and IOA Journal.

10. 3-day workshop for the dissemination of results of the research project THALES *Algebraic Modeling of Topological and Computational Structures and Applications*, NTUA, Athens, 1–3 July 2015.

11. Co-organizer (with P. Psarrakos, M. Loulakis) of the journée *Papafest; 100 years from the birth of C. Papakyriakopoulos*, NTUA, Athens, 22 December 2014.

12. Co-organizer (with J. Juyumaya, L.H. Kauffman, V.F.R. Jones) of the *1st Joint Meeting of AMS – SOMACHI*, Special Session on *Algebraic Modeling of Knotted Objects*, Pucon, Chile, 15–18 December 2010.

13. Co-organizer (with L.H. Kauffman, J.H. Przytycki, S. Jablan) of the *KNOTS IN CHICAGO*, University of Illinois at Chicago, 10–12 September 2010.

14. Co-organizer (with L.H. Kauffman, J.H. Przytycki, S. Jablan) of the *Advanced School and Conference on Knot Theory and its Applications to Physics and Biology*, ICTP, Trieste, 11–29 May 2009.

15. Main organizer of the *8th Panhellenic Conference in Algebra, Number theory and Applications*, NTUA, 29–31 May 2008.

16. Organized a workshop on *Knot Theory and Applications*, NTUA, November 2006.

17. Organized a workshop on *Knot Theory and Applications*, NTUA, 30 October 2005.

18. Co-organizer (with J. Przytycki and Y. Rong) of the meeting *Knots in Washington XX; 60th birthday of Louis H. Kauffman*, George-Washington Univ., 11–13 February 2005.

19. Member of the International Advisory Board of the *3rd International Workshop Graphs Operads Logic*, Mexico, 2–13 February 2004.

20. Main organizer of the *International Conference in Knot theory and its Ramifications; Knots in Hellas 98*, European Cultural Centre of Delphi, 7–15 August 1998. (Euroconferences Programme of E.C. Co-organizers: V.F.R. Jones, C. Gordon, S. Negrepontis, J. Przytycki.)

21. Organized a workshop on *Braids* within the Conference in *Knot Theory and Low-dimensional Topology*, Warsaw, 17 July–25 August 1995.

22. Co-organized (with T. tom Dieck) a meeting on *Braids, Knots and related Algebra*, SFB 170, Göttingen Univ., 13–16 July 1995.

(Co-)Editorship

1. (with L.H. Kauffman) of the 3-part special issue of *J. Knot Theory Ramifications*, dedicated to the memory of V.F.R. Jones.

2. Member of the Editorial Board of the journal *Mediterranean J. Mathematics* (since Jan. 2019).

3. Academic editor of the journal *J. Knot theory Ramifications*, World Sci. Press (since 2002).

4. Member of the Editorial Board of the *Bulletin of the Hellenic Mathematical Society* (since 2016).

5. (with I. Emmanouil, A. Giannopoulos and A. Fellouris) of the book dedicated to the First Congress of Greek Mathematicians, De Gruyter 2019.

6. (with V.F.R. Jones, L.H. Kauffman, C. Adams, C. Gordon, K. Millett, J. Przytycki, R. Ricca, R. Sazdanovic) of the book "Proceedings of the International Conference on Knots, Low-dimensional Topology and Applications - Knots in Hellas 2016", *Springer Proceedings in Mathematics & Statistics*, March 2019.

7. (with V.F.R. Jones, L.H. Kauffman, C. Adams, C. Gordon, K. Millett, J. Przytycki, R. Ricca, R. Sazdanovic) of special issue(s) of *J. Knot Theory Ramifications* dedicated to the Proceedings of the International Conference on "Knots, Low-dimensional Topology and Applications - Knots in Hellas 2016".

8. (with D. Theodorou, P. Stefaneas and L.H. Kauffman) of the book titled "Algebraic Modeling of Topological and Computational Structures and Applications", THALES, Athens, Greece, July 1–3, 2015, *Springer Proceedings in Mathematics & Statistics*, Vol. 219, 2017; https://doi.org/10.1007/978-3-319-68103-0.

9. (with L.H. Kauffman and R. Sazdanovic) of the special issue of *J. Knot Theory Ramifications* 25, No. 9 (2016) 1602002, dedicated to the memory of S. Jablan.

10. (with L.H. Kauffman, J.H. Przytycki, S. Jablan) of the book titled “Introductory Lectures on Knot Theory - Proceedings of the Advanced School and Conference on Knot Theory and its Applications to Physics and Biology”, International Centre for Theoretical Physics (ICTP), Trieste, Italy, 11–29 May 2009. In *Ser. Knots Everything*, Vol. 46, 2012, World Scientific Press, 520 pages.

11. (with J.H. Przytycki), Proceedings of the International Conference Knots in Washington XX; 60th birthday of Louis H. Kauffman; 11–13 February 2005, George Washington University; *Ser. Knots Everything*, Volume 6, in World Scientific, 2011.

12. (with J.H. Przytycki), Proceedings of the International Conference Knots in Washington XX; 60th birthday of Louis H. Kauffman; 11–13 February 2005, George Washington University. Volume 5, in *J. Knot Theory Ramifications* 16(10), December 2007, 211 + xi pages.

13. (with J.H. Przytycki), Proceedings of the International Conference Knots in Washington XX; 60th birthday of Louis H. Kauffman; 11–13 February 2005, George Washington University. Volume 4, *J. Knot Theory Ramifications* 16(7), September 2007, 159 + xii pages.

14. (with J.H. Przytycki), Proceedings of the International Conference Knots in Washington XX; 60th birthday of Louis H. Kauffman; 11–13 February 2005, George Washington University. Volume 3, in *J. Knot Theory Ramifications* 16(3), March 2007, 135 + viii pages.

15. (with J.H. Przytycki), Proceedings of the International Conference Knots in Washington XX; 60th birthday of Louis H. Kauffman; 11–13 February 2005, George Washington University. Volume 2, in *J. Knot Theory Ramifications* 15(8), October 2006, 158 + v pages.

16. (with J.H. Przytycki), Proceedings of the International Conference Knots in Washington XX; 60th birthday of Louis H. Kauffman; 11–13 February 2005, George Washington University. Volume 1, in *J. Knot Theory Ramifications* 15(6), August 2006, 151 + xii pages.

17. (with V.F.R. Jones, C. Gordon, L.H. Kauffman, J.H. Przytycki), Proceedings of the International Conference “Knots in Hellas 98", Volume 3, in *J. Knot Theory Ramifications* 10(5), August 2001, 170 pages.

18. (with V.F.R. Jones, C. Gordon, L.H. Kauffman, J.H. Przytycki), Proceedings of the International Conference “Knots in Hellas 98", Volume 2, in *J. Knot Theory Ramifications* 10(2), March 2001, 175 pages.

19. (with V.F.R. Jones, C. Gordon, L.H. Kauffman, J.H. Przytycki), Conference proceedings “Knots in Hellas 98" with subtitle Proceedings of the Conference on Knot Theory and its Ramifications, in *Ser. Knots Everything*, Vol. 24 , 2000, World Scientific Press, 600 pages.

Refereing – Reviewing – Evaluation

(not fully updated)

- Journals: *European J. Math, European J. Combinatorics, Open Math., J. Knot Theory Ramifications, Geometry and Topology, Topology and its Applications, J. reine angew. Math., The Fibonacci Quarterly, Banach Centre Publications, Moscow Mathematical Journal, J. Mathematical Chemistry, Discrete Mathematics, Rocky Mountain J., Applied General Topology, Manuscripta Mathematica, Mediterranean J. Mathematics, Annali della Scuola Normale Superiore di Pisa, Turkish J. Math., Bulletin AMS, Communications Phys., Communications in Analysis and Geometry, Pacific Journal of Mathematics, Proceedings of the American Mathematical Society, Studies in Applied Mathematics.*
- Member of the Scientific Commission "Sciences Exactes et Naturelles 2" (SEN-2) of the Fund for Scientific Research-FNRS, Belgium, since 2022.
- Research proposals: NSF, FONDECYT-Chile, DAAD, U. Patras, Competition of Applied Research and Innovation (S-Eurobank), ELIDEK for young researchers, United Arab Emirates U., Agence Nationale de la Recherche, Dutch Research Council, Estonian Research Council, Fund for Scientific Research FNRS, ARRS Slovenia.
- Member of the Evaluation Committee of Assist. Prof. position in “Algebra" of the Department of Mathematics of SAMPS, 2021.
- Referee for the PhD thesis of Stavroula Makri, U Caen, Dec. 2021.
- External expert in the tenure evaluation Commission for Dr. Steven Sivek, Max Planck Institute for Mathematics, July 2021.
- External reviewer for the promotion to Full Professor of Mathematics of Dr. Allison Henrich at Seattle University, 2018.
- Member of the Examining Committee of the Habilitation of M. Chlouveraki, U. de Versailles, November 2016.
- External reviewer for the promotion to Full Professor of Mathematics of Dr. Mieczyslaw K. Dabkowski at the University of Texas at Dallas, 2016.
- Member of Committees for PhD theses, and MSc and Diplom dissertations of the Department of Mathematics of SAMPS and of the School of Electrical Engineering, NTUA.

Participation in Meetings

Invited talks (not fully updated)

1. Keynote speaker at “Knots & Proteins", Ljubljana, Feb. 12–14 2024.
2. “Geometric and Algebraic Methods in Knot Theory", Online event, September 16-20, 2023.
3. “Hecke algebras and applications", Spetses, July 16–21, 2023.

4. Distinguished invited speaker at the 3rd International Conference "Women in Mathematics in South-Eastern Europe", ICMS-Sofia, Institute of Mathematics and Informatics, Bulgarian Academy of Sciences, December 8–9, 2022.

5. Geometry and topology of 3-manifolds, Sirius Mathematics Center, Tomsk State Univ., Sep. 17–21, 2022.

6. Keynote speaker at the "XXI Geometrical Seminar", Belgrade, June 26–July 2, 2022.

7. Math-Materials: International & Interdisciplinary Workshop Visualization & Ideal Embeddings of Entangled Structures, Tohoku U., July 6–7, 2022.

8. Opening talk at “Braids, Links and Applications", IMSA Miami Nov. 15–18 2021.

9. South East European Women in Mathematics, ICMS-Sofia, Institute of Mathematics and Informatics, Bulgarian Academy of Sciences, 10–11 Dec. 2020.

10. Workshop on Applied Knot Theory, (preceding the AMS Special Session on Applied Knot Theory), 9 Oct. 2020.

11. Scientific workshop, Samos, Greece, 6–7 Dec. 2019.

12. Women of mathematics on the Mediterranean shores, Bled, Slovenia, 27–28 September 2019.

13. Loops in Leeds: Motion groups and related topics, School of Mathematics, University of Leeds, UK, 1–4 July 2019 (1st prize in poster contest).

14. VI Russian-Chinese Conference on Knot Theory and Related Topics, Novosibirsk State University and Sobolev Institute of Mathematics, 17–21 June 2019, Novosibirsk.

15. The Mathematics in the era of the 4th Industrial Revolution, NTUA, National Research Foundation, 29–30 May 2019.

16. AMS Spring Central and Western Joint Sectional Meeting in Hawaii at Manoa, Honolulu, HI , Special Session on Algebraic and Combinatorial Structures in Knot Theory, March 22–24 2019. (Did not make it)

17. Women at the Intersection of Mathematics and High Energy Physics, University of Geneva, February 18–20, 2019.

18. Geometrical Seminar, Vrnjacka banja, Serbia, May 20–23 2018.

19. AMS Spring Sectional Meeting in Portland, OR, Special Session on Algebraic and Combinatorial Structures in Knot Theory, April 14–15 2018. (Did not make it)

20. First Congress of Greek Mathematicians, Hellenic Mathematical Society & NKU Athens, Greece, 25–30 June 2018.

21. 34th Panhellenic Meeting on Mathematical Education, Hellenic Math. Soc., Lefkada, Greece, 3–5 Nov. 2017.

22. Knots in Hellas 2016, Olympic Academy, 10–16 July 2016, Greece.

23. 32nd Panhellenic Meeting on Mathematical Education, Hellenic Math. Soc., 30 Oct.–1 Nov. 2015, Kastoria, Greece.

24. International Congress on Mathematics MICOM-2015, Math. Soc. of South-Eastern Europe and Hellenic Math. Soc., Lecture (with A. Nikolakopoulou) on “The life and work of Christos Papakyriakopoulos”, 22–26 Sept. 2015, Athens, Greece.

25. 18th Symposium on Topological Quantum Information, Univ. of Athens, Greece, 8–10 June 2015.

26. “Knots and Links in Fluid Flows – From Helicity to Knot Energies”, Moscow Independent University, 27–30 April, 2015.

27. Journée “Papafest; 100 years from the birth of C. Papakyriakopoulos", Lecture (with A. Nikolakopoulou) on “The life and work of Christos Papakyriakopoulos”, NTUA, Athens, 22 December 2014.

28. “Algebraic Structures in Low-Dimensional Topology”, MF Oberwolfach Germany, 26–30 May 2014 (invited participation & talk).

29. “Geometry and Topology, International Conference dedicated to the 75th birthday of Alexei B. Sossinsky”, Moscow Independent University, 8–9 Oct. 2012.

30. International Conference on “Knot Theory and Applications”, Pisa, 2–8 July 2011 (invited speaker).

31. 1st Joint Meeting of AMS - SOMACHI, Special Session on Algebraic modelling of knotted objects, Pucon, Chile, 15–18 December 2010 (co-organizer & invited speaker).

32. Knots in Chicago, University of Illinois at Chicago, 10–12 September 2010 (co-organizer & invited speaker).

33. 26th Panhellenic Conference on Mathematical Education, Greek Math. Soc., Workshop “The Mathematics of everyday life”, Thessaloniki, 13–15 Dec. 2009 (invited speaker).

34. Conference on “Knot Theory and its Applications to Physics and Biology”, ICTP Trieste, 11–29 May 2009 (co-organizer & conference speaker).

35. Workshop "The Mathematics of Knots: Theory and Application", Mathematics Centre Heidelberg, 15–19 December 2008 (invited speaker).

36. 8th Panhellenic Conference in Algebra and Number Theory, NTUA, Athens, 29–31 May 2008 (with international participation) (main organizer & speaker).

37. Workshop "Invariants in Low-Dimensional Topology", MF Oberwolfach Germany, 4–10 May 2008 (invited participation & talk).

38. AMS/PTM International Meeting, Special Session on Invariants of links and 3-manifolds, Warsaw, Poland, 31 July–3 August 2007.

39. 7th Panhellenic Conference in Algebra and Number Theory, Samos, 31 May–2 June 2007 (with international participation).

40. Knots in Washington XXIV, George Washington Univ., USA, 13–15 April 2007.

41. Intelligent of Low Dimensional Topology 2006, Hiroshima Univ., Japan, 22–27 July 2006 (invited speaker). (Not realized)

42. 6th Panhellenic Conference in Algebra and Number Theory, Thessaloniki, 10–11 June 2006 (with international participation).

43. 1017th AMS Meeting, Special Session on Quantum invariants of knots and 3-Manifolds, Durham, New Hampshire, USA, 22–23 April 2006.

44. Manifolds and their Mappings, 5th International Siegen Topology Symposium, Siegen Univ., Germany, 25–30 July 2005.

45. 2005 AMS-IMS-SIAM Summer Research Conference on Quantum Topology, Snowbird, Utah, USA, 5–9 June 2005.

46. Workshop on Cellular and diagram algebras in mathematics and physics, Mathematical Institute, University of Oxford, UK, 3–9 April 2005.

47. Knots in Washington XX; 60th birthday of Louis H. Kauffman, George Washington Univ., USA, 11–13 February 2005 (co-organizer).

48. 1002nd AMS Meeting, Special Session on Invariants of knots and 3-manifolds, Pittsburgh, Philadelphia, USA, 6–7 November 2004.

49. 1000th AMS Meeting, Special Session on Categories and Operads in Topology, Geometry, Physics and Other Applications, Albuquerque, New Mexico, USA, 15–17 October 2004.

50. 3rd International Workshop Graphs Operads Logic, Mexico, 2–13 February 2004 (plenary speaker).

51. Knots in Poland 2003, Warsaw, Poland, 7–13 July 2003.

52. Workshop on Interactions between Representation theory, Knot theory, Topology, Quantum field theory, Category theory and Mathematical Physics, Potsdam Univ., USA, 2–6 June 2003 (invited speaker).

53. Workshop on Interactions between Representation theory, Knot theory, Topology and Mathematical Physics, Potsdam Univ., USA, 8–12 July 2002 (inv. speaker).

54. International Workshop and Seminar on Topology in Condensed Matter Physics, Max-Planck-Institut für Physik komplexer Systeme, Dresden, Germany, 16–23 June 2002.

55. 974th AMS meeting, Special Session on Quantum Topology in Dimension Three, Ann Arbor, Michigan, USA, 1–3 March 2002.

56. VII Meeting on Mathematics and Molecular Biology, Santa Fe, New Mexico, 5–10 January 2002 (invited poster).

57. 972nd AMS meeting, Special Session on Quantum Topology, Irvine Univ., California, USA, 10–11 November 2001.

58. 965th AMS meeting, Special Session on Topology of Links, Las Vegas Univ., Nevada, USA, 21–22 April 2001.

59. International Conference on Knots, Links and Manifolds, Siegen Univ., Germany, 5–12 January 2001.

60. International Conference "Knots 2000", Korea, 31 July–5 August 2000.

61. 954th AMS meeting, Special Session on Quantum Topology, Univ. of Louisiana at Lafayette, USA, 14–16 April 2000.

62. Rencontre "Journées Tresses", CIRM Marseille-Luminy, France, 8–13 June 1999.

63. 943rd AMS meeting, Special Session on Knots and 3-Manifolds, SUNY Buffalo, USA, 24–25 April 1999.

64. International Conference in Knot theory and its Ramifications; Knots in Hellas 98, European Cultural Centre of Delphi, Greece, 7–15 August 1998 (main organizer).

65. International Conference in Knot Theory and Low-dimensional Topology, Tokyo Univ., Japan, 22–31 July 1996.

66. 1st British Women Mathematicians meeting, Imperial College, London, U.K., 22 September 1995 (invited speaker).

67. International Conference in Knot Theory and Low-dimensional Topology, S. Banach International Mathematical Centre, Warsaw, Poland, 17 July–25 August 1995.

68. 1st International Joint Meeting of AMS – IMU, Special Session on Braids and Low-dimensional Topology, Hebrew Univ., Israel, 23–26 May 1995.

69. International Conference in Low-dimensional Topology: Knots, 3-manifolds and applications, CIRM Marseille-Luminy, France, 18–22 July 1994.

70. Workshop on Quantum Groups, Bielefeld Univ., Germany, 7–9 July 1994 (invited speaker).

71. 892nd AMS meeting, Special Session on Invariants of Low-dimensional Manifolds III, Brooklyn, N.Y., USA, 8–10 April 1994.

72. Workshop on Conformal Field Theory, Operator Algebras and Low-dimensional Topology, Warwick Univ., U.K., 10–24 August 1993.

73. International meeting on Knots and Links, Siegen Univ., Germany, 18–24 July 1993.

74. Conference on Quantum Topology, Kansas State Univ., USA, 21–27 March 1993.

Selected Invited Participations

1. Knot Theory Informed by Random Models and Experimental Data (24w5217), Banff International Research Station for Mathematical Innovation and Discovery (BIRS), March 31–April 5, 2024. (Was not able to make it).

2. 36th Panhellenic Meeting on Mathematical Education, Hellenic Math. Soc., Larissa, Greece, 1–3 Nov. 2019. Round table speaker.
3. Knots and Braids in Norway (KaBiN), NTNU Norwegian University of Science and Technology in Trondheim, 13-17 May 2019.
4. Workshop "Invariants in Low-Dimensional Topology and Knot Theory", MF Oberwolfach, Germany, 3–9 June 2012.
5. International Conference on “Knot Theory and Algebra”, Switzerland, 21–27 May 2011.
6. Workshop on Quantum Topology in Dimension 3, MF Oberwolfach, Germany, 20–25 October 2003.
7. Rencontre “ Journées Tresses”, CIRM Marseille-Lumini, 11–15 June 2001.
8. Journées Toulousaines, Autour des tresses et des noeds, Univ. Paul Sabatier, Toulouse, 5–8 June 2000.
9. Journée du GDR Tresses du CNRS, Marne-la-Vallée, Paris, 16–18 November 2000.
10. Rencontre “Journées Tresses”, CIRM Marseille-Luminy, France, 8–13 June 1999.
11. Conference on Mathematics and Molecular Biology, Santa Fe, New Mexico, 9–14 January 1999.
12. Conference in Low-dimensional topology in honour of J. Birman’s 70th birthday, Columbia Univ., NY, 14–16 March 1998.
13. Topologie Meeting, MF Oberwolfach, Germany, 31 August–6 September 1997.
14. Modular Representation Theory meeting, Isaac Newton Institute, Cambridge, 1–6 April 1997.
15. Knotentheorie Meeting, MF Oberwolfach, Germany, 10–16 September 1995.

Selected Seminars and Colloquium Talks

1. “Celebration of Women in Science", NTUA Young Minds Section, 29 March 2024.
2. Panegyrical opening talk at the 14th Conference “Greek language and terminology" dedicated to Hypatia, 9–11 Nov. 2023.
3. Initiated and co-established the students’ Lounge Seminar, Math Department, NTUA.
4. Baumann Univ., Moscow, Skype talk in the Topology Seminar, March 2017.
5. EPF Lausanne, Geometry Seminar, 31 March 2015.
6. Sebian Academy of Sciences, 11 April 2013.
7. University of Ioannina, Greece, Colloquium, 18/12/2009.

8. Experimental School of Anavryta, 7/02/2008.
9. University of Thessaloniki, Greece, Algebra Seminar, 13/12/2007.
10. 170 years NTUA, 12/2007.
11. University of Valparaiso (Chile), Colloquium, August 2005.
12. George-Washington University (USA), Colloquium, 05/11/2004.
13. Université de Caen (France), Séminaire Structures Discrètes, 18/02/2003.
14. IRMA, Université Louis Pasteur, Strasbourg (France), Séminaire de Géométrie et Topologie, 01/12/2002.
15. Univ. of Wisconsin, Madison (USA), Topology Seminar and Lie Theory Seminar, 22/02/.2002 and 24/02/2002.
16. Univ. of Illinois at Chicago (USA), Topology Seminars, April 1999, October 1999, April 2000, February 2001, November 2001.
17. Univ. SUNY Buffalo (USA), Topology Seminar, 23/04/1999.
18. Max-Planck-Institut für Mathematik, Bonn (Germany), 09/04/1999.
19. Universität-GH-Siegen, Colloquium, 15/12/1998.
20. Bonn Universität, 02/12/1997 (H. Bödigheimers Oberseminar).
21. Isaac Newton Institute, Cambridge, April 1997.
22. University of Athens, Greece, Topology Seminar, April 1996.
23. Paris VII (France), 12/06/1996 (Groupe de travail organisé par A. Bruguières, G. Maltsiniotis, G. Masbaum et P. Vogel).
24. J.W.Goethe-Universität, Frankfurt (Germany), Colloquium, 10/11/1995.
25. Göttingen Universität (Germany), Topology Seminars, 21/02/1994, 28/02/1994.
26. Columbia University (USA), Topology Seminars, 01/04/1994.
27. Cambridge University (UK), Topology Seminars, 25/11/1993, 14/11/1994.
28. Univ. of Swansea (UK), Topology Seminar, spring 1994.
29. Austin University, Texas (USA), Topology Seminars, 19/04/1993, 21/04/1993.
30. Odense Univ. (Denmark), Colloquium, 04/03/1993.
31. Warwick University (UK), Topology Seminars, 21/06/1990, 10/10/1991.

Lectures in Advanced Schools

1. Advanced School on “Combinatorial and Geometric Knot Theory” (Oberwolfach Seminar ID 2147b), MFO 21–27 November 2021, , 8 lectures (co-organizer).
2. Advanced School on “Knot Theory and Applications”, Pisa, 2–13 May 2011, 6 invited lectures (organizer R. Ricca). Did not realize the visit.
3. Advanced School on “Knot Theory and its Applications to Physics and Biology”, ICTP Trieste, 11–29 May 2009, 3 lectures (co-organizer).
4. Summer School, National Technical University of Athens (NTUA), Summer 2008, 1 invited lecture (organizer N. Stavrakakis).
5. U. British Columbia, MSRI–PIMS Summer Graduate Programme: Knots and 3-Manifolds and Knots in Vancouver, 6–21 July 2004, 4 invited lectures (organizer D. Rolfsen).

Postdoctoral Researchers – Students

Post-doc Researchers

1. Ioannis Tsouknidas (Sept. 2021 - Feb. 2022)

2. Stathis Antoniou (2018–2020)
   “Topological surgery in cosmic phenomena”
3. Neslihan Gügümcü (2018–2019)
   “Knotoids, braidoids and applications”
4. Demoklis Goundaroulis (2014–2016; September 2016–September 2019: Post-doctoral Researcher at the Center for Integrative Genomics, U. Lausanne and SIB Swiss Institute of Bioinformatics, Switzerland)
   “A new 2-variable generalization of the Jones polynomial”
5. Ioannis Diamantis (2015; since September 2015: Visiting Prof. International College Beijing, China Agricultural U.)
   “The HOMFLYPT skein module of lens spaces $L(p,q)$ via braids”
6. Eleni Panagiotou (2013; August 2013–Summer 2018: Visiting Assist. Prof. U. Santa Barbara California; since Fall 2018 tenure track Assist. Prof. U. Tennessee at Chattanooga)
   “Measuring topological entanglement in polymers”
7. Maria Chlouveraki (20122014; since September 2014: CNRS & Maître de Conférences, U. Versailles)
   “Hecke algebras and braid groups associated with complex reflection groups”

Ph.D. Students

1. Anastasios Kokkinakis (October 2019 –)

2. Stathis Antoniou (May 2014 – December 2017)
   "Mathematical modeling through topological surgery and applications"
   Examining Committee: Sofia Lambropoulou, NTUA; Louis H. Kauffman, UIC; Antonios Charalambopoulos, NTUA; Colin Adams, Williams College; Theocharis Apostolatos, UoA; Cameron McA. Gordon, UT Austin; Dimitrios Kodokostas, NTUA.

3. Neslihan Gügümcü (December 2013 – December 2017)
   "On knotoids, braidoids and their applications"
   Examining Committee: Sofia Lambropoulou, NTUA; Louis H. Kauffman, UIC; Dimitrios Kodokostas, NTUA; Vladimir Turaev, Indiana U.; Sam Nelson, Clairmont MC; Oktay Pashaev, Izmir Tech. U.; Paolo Bellingeri, U. Caen.

4. Ioannis Diamantis (November 2007 – December 2014)
   "The HOMFLYPT skein module of lens spaces $L(p,1)$ via braids"
   Examining Committee: Sofia Lambropoulou, NTUA; Panagiotis Papazoglou, UoA; Josef H. Przytycki, GWU; Cameron McA. Gordon, UT Austin; Themistokles Rassias, NTUA; Epameinondas Kechagias, UoI; Dimitrios Kodokostas, NTUA.

5. Dimokles Goundaroulis (Spring 2007 – January 2014)
   "Framization of the Temperley–Lieb algebra and related link invariants"
   Examining Committee: Sofia Lambropoulou, NTUA; Jesus Juyumaya, U. Valaparaíso; Aristides Kontogeorgis, UoA; Maria Chlouveraki, Chaire CNRS, U. Versailles; Epaminondas Kechagias, UoI; Panayiotis Psarrakos, NTUA; Themistocles Rassias, NTUA.

6. Eleni Panagiotou (July 2008 – September 2012)
   "Topological methods for measuring the entanglement of polygonal curves"
   Examining Committee: Sofia Lambropoulou, NTUA; Doros Theodorou, NTUA; Ken Millett, UCSB; Spiros Argiros, NTUA; Vlassis Mavrantzas, U. Patras; Ioannis Sarantopoulos, NTUA; Antonios Symvonis, NTUA.

M.Sc. Students

1. Fedon Grammatikopoulos, "Quantum groups and the tangle category", March 2021.

2. Manousos Manouras, Univ. of Athens, "Finite type invariants for knotoids", June 2020.

3. Anastasios Kokkinakis, Univ. of Athens, "Topological surgery", September 2019.

4. Chrysostomos Antoniou, "The Alexander polynomial", May 2016, `www.math.ntua.gr/~sofia/dissertations/Antoniou%20MSc.pdf`.

5. Eleni Panagiotou, "Topological methods for measuring the entanglement of polymers", December 2008. Thomaidio Award NTUA for best publication in 2010, `www.math.ntua.gr/~sofia/dissertations/Panagiotou%20MSc.pdf`.

6. Anastasios Chronopoulos, "The analogues of the 2-variable Jones polynomial for type B knots in the solid torus", February 2008, www.math.ntua.gr/~sofia/dissertations/Chronopoulos%20MSc.pdf.

7. Ioannis Diamantis, "Applications of Knot Theory in Chemistry and Biology", Nov. 2007, www.math.ntua.gr/~sofia/dissertations/Diamantis%20MSc.pdf.

8. Konstantina Kominaki, "Applications of Knot theory to electrical networks", July 2002.

Diploma Students (not fully updated)

1. Alexandra Fikiori, p-colorability, the determinant and other classical invariants in knot theory, March 2024.

2. Andreas Evangelatos, Cryptography of Elliptic Curves, (co-supervision with A. Kontogeorgis), July 2023.

3. Alexandros Vetsikas, Topological data analysis, March 2023.

4. Katerina Papageorgiou-Kafka, Quantum groups, Feb. 2023.

5. Vasiliki Tsanaktsidou, The insolvability of the quintic without Galois theory, Oct. 2022.

6. Konstantinos Sofianides, The Jordan curve theorem, Febr. 2021.

7. Ioanna Voulkoudi, Kummer's case of Fermat's Last Theorem, July 2019.

8. Konstantinos Stamos, Galois' 5th degree equation, June 2019.

9. Natalia Dimopoulou, The Pythagorean triads, July 2018.

10. Stefanos Theodorakopoulos, Reed–Solomon codes and basic extensions, December 2017, http://www.math.ntua.gr/~sofia/dissertations/StefTheodorakopoulos.pdf.

11. Sotirios Houtos, The fundamental theorem of Algebra from the viewpoint of Algebraic Topology, July 2015.

12. Petros Pandavos (School of Electrical Engineering), An introduction to Khovanov homology, January 2014.

13. Despina Mandratzi, Music and symmetry: the actions of the atonal and the neo-Riemannian group on the set of consonant triads, December 2013, www.math.ntua.gr/~sofia/dissertations/Mandratzi.pdf.

14. Danai Mantopoulou-Palouka, The braid groups and applications to cryptography and polymers, July 2013, www.math.ntua.gr/~sofia/dissertations/Mantopoulou.pdf.

15. Evangelia Larentzaki, The prime numbers, June 2012, www.math.ntua.gr/~sofia/dissertations/Larentzaki.pdf.

16. Vassiliki Bithimitri, Continued fractions and real numbers: approximations and applications, November 2011, www.math.ntua.gr/~sofia/dissertations/Bithimitri.pdf.

17. Georgios Ninis, Group theory in crystallography, March 2011, www.math.ntua.gr/~sofia/dissertations/Ninis.pdf.

18. Konstantinos Karvounis, Programming for Yokonuma–Hecke algebras, Nov. 2010, www.math.ntua.gr/~sofia/dissertations/Karvounis.pdf.

19. Dimitrios Kardaris, Differential Topology in Physics, July 2010, www.math.ntua.gr/~sofia/dissertations/Kardaris.pdf.

20. Adriani Nikolakopoulou, On Dehns Lemma, July 2010, www.math.ntua.gr/~sofia/dissertations/Nikolakopoulou.pdf.

21. Konstantinos Panagidis, What is Knot Theory in Mathematics: an introduction in HTML and Flash, (co-supervision with N. Tracas), June 2008, http://www.math.ntua.gr/~sofia/kostas/.

22. Ioannis Kiouvrekis, The Banach–Tarski paradox, June 2008, www.math.ntua.gr/~sofia/dissertations/Kiouvrekis.pdf.

23. Antonis Paterakis, The Theorems of Alexander and Markov in Knot Theory, May 2008, www.math.ntua.gr/~sofia/dissertations/Paterakis.pdf.

24. Eleni Androulaki, Thermodynamical analysis based on Statistical Mechanics and the Theory of Knots, March 2008, www.math.ntua.gr/~sofia/dissertations/Androulaki.pdf.

25. Faedra Stavropoulou, Knots and links in graphs and applications to Stereochemical Topology, October 2007, www.math.ntua.gr/~sofia/dissertations/Faedra.pdf.

26. Evgenia Alexopoulou, p-adic numbers and an application to Diophantine equations, June 2007, www.math.ntua.gr/~sofia/dissertations/Alexopoulou.pdf.

27. Eleni Panagiotou, Twelve proofs of the Fundamental Theorem of Algebra, October 2006, www.math.ntua.gr/~sofia/dissertations/Panagiotou%20presentation.pdf.

28. Konstantinos Eptaimeros, Continuous finite element methods of interior penalty for the biharmonic problem, October 2006, www.math.ntua.gr/~sofia/dissertations/Eptaimeros.pdf.

29. Anastasios Chronopoulos, An introduction to the theory of knots, the 2-variable Jones polynomial and the classification of the Weyl groups, October 2005, www.math.ntua.gr/~sofia/dissertations/Chronopoulos.pdf.

30. Kostis Barbagianneris, Knots, braids and Statistical Mechanics, October 2005, www.math.ntua.gr/~sofia/dissertations/Barbagianneris%20presentation.pdf.

31. Stathis Antoniou, The chaotic attractor of a 3-dimensional Lotka–Volterra dynamical system and its relation to topological surgery, July 2005, www.math.ntua.gr/~sofia/dissertations/Antoniou.pdf.

Subject “Thema" projects (not fully updated)

1. A. Fikiori & M. Skorda, Knot invariants, 2023.
2. A. Katsaounis, Polyhedra and commesurability, 2023 (co-supervision with Ch. Vassilakopoulou.
3. E. Frantzeskaki & F. Symeonidis, The Monster group, 2023.
4. V. Tsanaktsidou, A novel proof for the Fundamental Theorem of Algebra, 2022.
5. A. Vetsikas, A proof of the Jordan Curve Theorem by Christos Papakyriakopoulos, 2021.
6. M. Arvaniti & P. Krystallidis, The Platonic solids, 2017, `www.math.ntua.gr/~sofia/thema/platonicsolids.pdf`.
7. E. Michalopoulou, Mathematics and movies, 2016, `www.math.ntua.gr/~sofia/thema/Michalopoulou.pdf`.
8. G. Mantzos, The "Keller" Theorem, 2016, `www.math.ntua.gr/~sofia/thema/keller.pdf`.
9. A. Poulopoulou, The Mathematics behind the Sudoku game, 2016 , `www.math.ntua.gr/~sofia/thema/sudoku.pdf`.
10. S.M. Bouznean, Knot Applications in DNA, 2016, `www.math.ntua.gr/~sofia/thema/Bouznean.pdf`.

Teaching

Abroad

1990–1991	Supervisions to undergraduate students of mathematics, Warwick U.
1991–1992	Example classes in 3rd year Group Theory, Warwick U.
1994–1995	Supervisions to 2nd year undergraduates of Christs College in Linear Mathematics, Cambridge U.
Spring 1996	Assistant for the 3rd year course: Topologie und Algebraische Topologie, Göttingen U.
1996–1997	Assistant for the 1st year course: Analytische Geometrie und Lineare Algebra, Göttingen U.
1997–1998	Assistant for the 1st year course: Differenzial- und Integralrechnung I & II, Göttingen U.
Spring 1998	Reading seminar on topics of Knot theory and 3-manifolds, Göttingen U.
Fall 1998	Assistant for the 3rd year course Differenzial Geometrie, Göttingen U.
Spring 1999	Graduate course in Knotentheorie, Göttingen U.
Fall 1999	Assistant for the 1st year course: Mathematik für Biologen und Geologen, Göttingen U.
April 2002	Postgraduate mini-course in Knotentheorie, in the framework of the Erasmus EC Programme, Göttingen U.

Spring 2004 Example classes in Mathématique 1st year, Université Caen.

At the NTUA

- Linear Algebra and Analytic Geometry, 1st semester Mechanical Engineering School (2000), 1st semester Civil Engineering School (2000, 2008, 2009, 2013, 2014, 2015, 2016; since 2017 joined to Analysis and Linear Algebra), 1st semester Mining Engineering School (2009).
- Linear Algebra and Analytic Geometry, 1st semester SAMPS (2001–2005, 2009, 2011–2023).
- Linear Algebra and Applications, 2nd semester SAMPS (2000–2003, 2005, 2010, 2012).
- Algebra (introduced the course; originally as optional; now compulsory for the Direction of Studies "Mathematics"), 5th semester SAMPS (2001–2005, 2007, 2008), renamed to: Algebra and Applications, 7th semester SAMPS (2009–2015). Since 2016 reset to the 5th semester for SAMPS and jointly taught for the 7th semester of the School of Electrical Engineering, NTUA.
- Algebra Seminar for graduates and undergraduates, NTUA (fall 2005, spring 2006). Gave rise to the course:
- Algebra II, 8th semester SAMPS (2010, 2012, 2014, 2015, 2016, 2018, 2020-2024).
- Knot Theory and Applications in Physics, Biology, Chemistry and Graph Theory (renamed to Knot Theory, Low-dimensional Topology and Applications as of 2018), M.Sc. course at SAMPS (spring 2001, 2006, 2007, 2008, 2010, 2014, 2016, 2019, 2020, 2023, 2024). Since 2024 also undergraduate course of 8th semester SAMPS.
- Algebra, M.Sc. course at SAMPS (since spring 2019).
- Organizer of the ongoing Seminar "Low-dimensional Topology and Applications", SAMPS, NTUA.

Math Outreach

(not fully updated)

1. Central speaker at the journée "Mathematical symposium - a feast for Mathematics", Regional Direction of primary and secondary education of Attica and Regional centres of educational planning, 13 April 2019.
2. Invited speaker at the symposium "Advanced mathematical thinking and knowledge in the secondary education", Varvakeios model school, 12 April 2019.
3. Open Doors 2019, School of Applied Mathematical and Physical Sciences, NTUA, 8-9 April 2019.
4. Invited speaker at the journée "Mathematics & Art", Ionideios model school, 15 December 2018.

5. Co-organized with the Municipality of Zaharo a mathematical event about publicising mathematics to pupils and broad audience through art and games, December 2018.

6. Researchers Night NTUA 2018, NTUA September 2018. Research team desk with title "Knots, Low-dimensional Topology and Applications"

7. Co-organized with the HMS and the Municipality of Zaharo, in August 2018, a historical journée on the lifes and works of great mathematicians from our region who influenced generations of mathematicians in Greece, for the first time, in the framework of the *Year of Mathematics 2018 for Greece - 100 Years of HMS*.

8. Researchers Night NTUA 2017, NTUA 29 September 2017. Research team desk with title "Knots, Low-dimensional Topology and Applications".

9. Researchers Night NTUA 2016, NTUA 30 September 2016. Research team desk with title "Knots, Low-dimensional Topology and Applications".

10. Open Doors 2016, School of Applied Mathematical and Physical Sciences, NTUA, 7–8 April 2016.

11. Researchers Night NTUA 2015, NTUA 25 September 2015. Poster presentation with title "Extending Topological surgery to natural processes".

12. Co-organized (with A. Arageorgis) a workshop on *Mathematics* for students of the Anavryta experimental high school, NTUA, Athens, 3 February 2012.

Other Professional Activities

- Member of the School Committee for Internal Evaluation, SAMPS, NTUA (September 2021 – August 2024).
- Founding member and member of the Executive Committee of the Association *Greek Women in Mathematics*.
- Member of the Eutopia (European Topology Interdisciplinary Action) COST Action Network (since June 2018).
- Member of the Papakyriakopoulos Bequest Committee of the Mathematics Department of SAMPS, NTUA.
- Member of the University Senate Committee & Coordinator of the ERASMUS+ Student/Staff Exchange Program of SAMPS NTUA (till 2019).
- Member of the Undergraduate Committee of the Mathematics Department of SAMPS, NTUA (since fall 2018).
- Member of the Postgraduate Committee of the Mathematics Department of SAMPS, NTUA (till fall 2018).
- Member of the Scientific Users Committee for Zentralblatt/MATH (2011–2016).

- Member of various selection committees for positions at the Department of Mathematics of SAMPS, NTUA and member of electing bodies for positions at SAMPS, NTUA.
- Member of the Committee for organizing conferences for the professional orientation of students of SAMPS, NTUA (2002–2003).
- Member of the International Relations Committee of SAMPS and of the NTUA.
- Member of the Educational Excursion Committee of SAMPS, NTUA (2002–2005).
- Ex-member of the M.Sc. Program Committee of the Univ. of Valparaiso, Chile.

Other Activities

- Elected member of the 15-member Council and Vice-president of the association of people from Olympia region, since May 2017.
- Elected member of the 9-member Council of the association of people from Zaharo, May 2017–2019.
- Elected member of the 9-member Council of Foreigners (Ausländer Beirat) of the town of Göttingen & elected representative of the Council of Foreigners of the town of Göttingen in the 40-member Plenum of the Councils of Foreigners of Lower Saxony, 02/1997–02/2002.
- Elected representative of the women scientific collaborators of the Mathematics Institute in the Central Committee of Women (Zentrale Frauenversammlung) of Göttingen Univ., 02/1997–02/2001.
- Member of the editorial committee of the magazine “ ” of the Hellenic community of the town of Göttingen, 1996–97.
- Co-organizer of the National Conference on Hellenic and Cypriot Literature, International Olympic Academy, 2–4 August 1996.
- Visiting Member of the Darwin College, Cambridge, 1993–1995.
- Elected member in the council of the Greek Student Community of Warwick Univ., 1990–91.

Languages

Greek (native speaker), English, German, French.