

Ezio Venturino - VITA

1 Brief Summary

- **Present Position:** Professor of Mathematics, Dipartimento di Matematica, Università di Torino, via Carlo Alberto 10, 10123 Torino, Italy. email: ezio.venturino@unito.it
- **Birthplace and date:**
- **Citizenship:**
- **Education:**
 1. Laurea in Matematica, Università di Torino, Italy, on 7/7/77 with honors.
 2. M. Sc. in Applied Mathematics, SUNY at Stony Brook, on 12/23/81.
 3. Ph. D. in Applied Mathematics, SUNY at Stony Brook, on 12/21/84. Dissertation title: An analysis of some direct methods for the numerical solution of singular integral equations, advisor Professor R.P.Srivastav.
- **Languages known.** Good-Fluent: Italian, English, French, German; Elementary-Intermediate: Russian, Spanish and Portuguese.
- **Research Interests:** In *numerical analysis*: quadrature formulae for singular integrals, methods for singular integral equations, lacunary interpolation problems. In *mathematical modelling*: biological and socioeconomic applications.
- **Professional activities:** Coauthored a book for CRC and coedited another for Birkhäuser. Authored about *forty research papers* in numerical analysis and more than one *hundred* in mathematical modelling. Taken part in about *hundredfifty international conferences*, with some plenary talks given upon invitation, contributing a paper to most, regularly organizing special sessions and chairing sessions and doing organizational work. Referee for international Journals. *Teaching experience in:* calculus, linear algebra, combinatorics, numerical analysis, complex variables and applications, mathematical models, ordinary and partial differential equations, linear and nonlinear optimization techniques, operations research, numerical solution of singular integral

equations, finite elements, finite differences for parabolic and hyperbolic partial differential equations, applied functional analysis, integral equations, numerical solution of ordinary and algebraic differential equations, numerical methods for elliptic partial differential equations. Developed a "*hands on the computer*" course in numerical analysis.

2 Detailed description of professional activities

2.1 Positions held

- October 1977 - September 1978: high school teacher.
- Fall 1977 - Spring 1978: Instructor in the Politecnico of Torino, Italy.
- January 1978 - August 1980: Researcher in CEMOTER, Politecnico di Torino, Italy, with a grant of the Italian Research Council (CNR), project in optimization.
- Fall 1980 - Summer 1984: graduate student in the Department of Applied Mathematics and Statistics, SUNY at Stony Brook, initially with another grant of the CNR. Courses taken in several fields of applied mathematics, concentrating in classical and numerical analysis.
- Fall semester 1984: Visiting Assistant Professor in the Department of Applied Mathematics and Statistics, SUNY at Stony Brook.
- September 1984 - February 1985: Research Collaborator, Medical Department of the Brookhaven National Laboratory; data analysis of iron metabolism.
- March - December 1985: Lecturer, University of Torino, Italy.
- Spring 1986 - Spring 1988: Visiting Assistant Professor, Mathematics Department, the University of Iowa.
- Fall 1988 - Spring 1993: Assistant Professor, Mathematics Department, the University of Iowa.
- Fall 1993 - Fall 1997: Associate Professor, Mathematics Department, the University of Iowa. Active contribution given to seminars in mathematical biology and in numerical analysis.
- 1987-1997, Associate Professor, Mathematics Department, University of Catania, Italy. Active contribution given to various seminars in numerical analysis and in the postgraduate course "Euroform".
- Summer 1991, Visiting Scientist, IMA, Minneapolis, MN, USA.

- Fall 1995, visited several Mathematics Departments of Australian Universities: University of Queensland, St Lucia, Queensland; University of Adelaide, Adelaide, South Australia; University of Tasmania, Hobart, Tasmania; University of New South Wales, Sydney, New South Wales.
- Summer and Fall 1996, Visiting Lecturer at the University of Leeds, England.
- Spring and Summer 1997, Visiting Researcher at the University of Huddersfield, England.
- Spring 1998 - Summer 2001: Associate Professor, Politecnico di Torino, Italy.
- Fall 2001 - present: Full Professor, Università di Torino, Italy.

2.2 National Committees

- Chairman of the ASN (national habilitation committee) 2016-2018 for Numerical Analysis
- Member of the Scientific Committee of GNCS (Numerical Analysis) 2017-2020
- Chairman of the doctoral panel in Mathematics, Univ of Torino up to 2011-2013
- Member of the doctoral panel in Complex Systems, Univ of Torino up to 2014-2019
- Member of the doctoral panel of "Complex Systems for Quantitative Biomedicine" (CSQB)

2.3 Shorter visits to other Institutions

- MIT, Cambridge, Massachusetts, USA, January 1982.
- Cornell University, Ithaca, NY, USA, January 1982.
- University of California, Berkeley, CA, USA, September 1984.
- Stanford University, Stanford, CA, USA, September 1984.
- University of Copenhagen, Denmark, May 1989.

- Technical University of Lyngby, Denmark, June 1989.
- University of Wisconsin at Milwaukee, USA, 1989 and 1991.
- Pennsylvania State University, USA, 1990.
- University of Minnesota, Minneapolis, MN, USA, August 1991.
- University of Manitoba, Winnipeg, Manitoba, Canada, 1994.
- University of Waterloo, Ontario, Canada, 1995.
- University of New South Wales, Sydney, Australia, January 1995.
- State University of Kansas, Manhattan, KS, USA, 1996.
- University of Manchester, UK, 1996 and 1997.
- University of Weimar, Germany, 1997.
- Technische Universität Bergakademie Freiberg, Germany, 1997.
- University of Oslo, Norway, December 1998.
- University of Cork, Ireland, 1999.
- Queens University of Belfast, UK, 2000.
- University of Delft, Holland, December 2000.
- University of Twente, Holland, December 2000.
- University of Osnabrueck, Germany, December 2000.
- University of Innsbruck, Austria, 2002.
- Technical University of Vienna, Austria, 2002.
- University of Oporto, Portugal, July 2003.
- Universitat de Girona, Spain, September 2003.
- University of Osnabrueck, Germany, November 2003.
- University of Huddersfield, UK, January 2004.
- University of Bradford, UK, January 2004.
- University of Bonn, Germany, 2004.

- University of Bonn, Germany, January 2005.
- University of Eichstaet, Germany, January 2005.
- Universidad de Valladolid, Spain, May 2005.
- Technische Universität Bergakademie Freiberg, Germany, July 2005.
- Universität Innsbruck, Austria, July 2005.
- Universität Bonn, Germany, July 2006.
- Universität Osnabrueck, Germany, July 2006.
- Universität Oldenburg, Germany, July 2006.
- Technical University of Crete, Chania, Greece, September 2006.
- Universität Osnabrueck, Germany, febbraio 2007.
- Universität Bonn, Germany, April 2007.
- Universität Osnabrueck, Germany, April 2007.
- Technische Universität Wien, Austria, September 2007.
- Gast Wissenschaftler, Max Planck Institut Komplexer Systeme, Dresden, Germany, August-September 2011.
- Technische Universität Bergakademie Freiberg, Germany, September 2011.
- Gast Wissenschaftler, Max Planck Institut Komplexer Systeme, Dresden, Germany, April-May 2012.
- Gast Wissenschaftler, Max Planck Institut Komplexer Systeme, Dresden, Germany, August 2012.
- Invited visit Univ. Aveiro, Portugal, February 14-17, 2014
- Invited visit THSTI Delhi, India, November 24-27 2014
- Invited visit Univ. Aveiro, Portugal, February 9-10, 2015
- Visit Univ. Coimbra, Portugal, February 11, 2015
- Invited visit Benares Hindu Univ., India, February 21-27, 2015

- Invited visit to ITP, UNESP, São Paulo, Brazil, August 9th-16th, 2015
- Invited visit to ITP, UNESP, Botucatu, Brazil, August 17th-19th, 2015
- Invited visit to Fundacao Getulio Vargas, Rio de Janeiro, Brazil, August 20th, 2015
- Invited visit to the University of Osnabrueck, Germany, October 3rd-10th 2015.
- Invited visit Benares Hindu Univ., India, November 8-12, 2015
- Invited visit Visva Bharati Univ., Santiniketan, India, November 21-24, 2015
- Invited visits ISI Kolkata, India, November 13-15, and 25-27 2015
- Invited visit IIT Kanpur, India, November 28-30, 2015
- Invited visit THSTI Delhi, India, December 1-7 2015
- Visit Univ. Osnabrueck, Germany, December 4-10 2016
- Invited visit Univ. Aveiro, Portugal, February 5th-8th, 2017
- Invited visit Instituto Técnico de Bragança, Portugal, February 12th-14th 2017
- Invited visit Univ. Alcal'a de Henares, Spain, July 9th-15th, 2017.
- Invited visit Univ. of Western Cape, Cape Town, South Africa, August 29th-September 3rd, 2017.
- Invited visit Univ. of Cape Town, Cape Town, South Africa, September 10th-22nd, 2017.
- Invited member of the Committee for the “Habilitation” of Antoine Perasso, Université de Besançon, September 26th, 2017.
- Invited visit Univ. of Helsinki, Finland, December 9th-16th, 2017.
- Invited visit Fields Institute, Toronto, Canada, Feb 20, 2018 - Mar 3, 2018 during the “Thematic Program on Emerging Challenges in Mathematical Biology”.
- COST Action CA 16227-supported visit to Univ. Landau-Koblenz, April 23-30, 2018.

- Invited visit Instituto Técnico de Bragança, Portugal, July 13th-18th 2018
- Invited visit Instituto Técnico de Bragança, Portugal, June 26th-29th 2019
- Invited visit Universidad de Málaga, Spain, July 8th-9th 2019
- Invited visit University of Guelph, Canada, July 14th-16th 2019
- Invited visit University of York, Canada, July 17th-19th 2019
- Invited visit, Universidad de Alcalá, Spain, under the program “Giner de los Ríos” 2019-20, November 6th - December 6th, 2019.

2.4 Grants

- Winner of several grants of CNR (Italian National Research Council) in the years 1977-1983.
- Winner of one of two 1983 summer supports for graduate students, offered by Dept. of Appl. Math. and Stats., SUNY at Stony Brook.
- NSF grant #ATM-9312263, Numerical Analyses for Plasma Instabilities and Transport in the Magnetotail; co-principal investigator with C. Grabbe.
- Local coordinator of the Numerical Analysis group, grant of MURST (Department of University and Scientific and Technological Research), for the years 1994-97, University of Catania.
- Local coordinator of the Numerical Analysis group, Departmental grant, for the years 2003-06, University of Torino.
- European Training Fundation - Individual Mobility Grant anno 2004: S. Petrovsky, Academy of Sciences, Moscow, Russia.
- Department of Foreign Affairs (Italy): Program of Scientific and Cultural Collaboration with Georgia: Italian coordinator of the project supported n. 4 MA, year 2004, named ”Modelli matematici e numerici per le applicazioni” (Mathematical and numerical models for applications” (Georgian coordinator R. Duduchava)

- Department of Foreign Affairs (Italy): Program of Scientific and Cultural Collaboration with India: Italian coordinator of the project named "Studies on Planktonic diversity in saline and fresh water systems - field, experiment and modelling" (Indian coordinator J. Chattopadhyay)
- Department of University and Research (MIUR - Italy): winner of two grants (out of 30 available) for the support of two postdoctoral positions for Indian students at the University of Torino in the field of "Biomathematics".
- CRUI (Conference of Italian University Rectors) Vigoni program: grant of 3000 Euros for support of the project "Mathematical models for the transmission, diffusion and control of infectious diseases" jointly with Germany (German coordinator H. Malchow).
- Project WWS: postdoc grant for 12 months for Brasil, 2008. Invited Rafael Vilamiu, Raul Assis, both for 4 months, Silvia Raimundo-Martorano 3 months.

Bilateral agreements under the Erasmus project:

- Università de Porto, Portogallo,
- Universidad de Valladolid, Spagna,
- University of Bradford, UK,
- University of Swansea, UK,
- Universitaet Osnabrueck, Germania,
- Technische Universitaet Freiberg, Germania,
- Universitaet Innsbruck, Austria,
- Technische Universitaet Wien, Austria,
- Polytechnio Kritis, Chania, Grecia.
- Anadolou University, Turkey,
- ESIEE, Noisy, France,
- University of Portsmouth, UK,
- Fribourg University, Switzerland.

- MC (Management Committee) member since 2015 for Italy for COST Action: FA 1405 - Food and Agriculture: Using three-way interactions between plants, microbes and arthropods to enhance crop protection and production
- MC (Management Committee) member since 2017 for Italy for COST Action: CA16227 - Investigation and Mathematical Analysis of Avant-garde Disease Control via Mosquito Nano-Tech-Repellents
- Project WWS2: postdoc grant for 6 months for Brasil and India, 2015. Invited Franciane Azevedo, but she renounced for family problems, in her place came Pankaj Tiwari, Surabhi Pandey.
- Project Train2Move (2015): candidate Sudip Samanta shortlisted for the oral examination, grant not given.
- 12 months grant by the cooperative Dalla Stessa Parte (Cirie') for the project "Progetto Beehappy" for researches on bees infestants (2016).
- Project "Teaching Mobility" for 2018. Invited for one semester Florian Potra (Univ of Maryland, Baltimore) to teach the course in "Biomathematics".
- Project "Teaching Mobility" for 2020. Invited for one month each, Rafael Bravo de la Parra (Univ Alcalá, Spain) and Sergei Petrovskiy (Univ of Leicester) to teach 16 hours each in the course in "Biomathematics"; invited for two months, Daniela Calvetti (Case Western Univ, Cleveland, OH, USA) to teach 30 hours in the courses "Numerical Analysis" and "Mathematical Methods for Applications".

2.5 Contribution to publications

1. **Associate Editor** of the **Electronic Proceedings** of WSEAS Conference on Mathematics and Computers in Biology and Chemistry 2004 (MCBC 2004), Venice, Nov. 15-17, 2004.
2. **Guest Editor** for the **WSEAS Transactions on Biology and Biomedicine** vol. 1, n. 4, October 2004.
3. Area Editor, Simulation Theory and Practice, Elsevier, 2008-2013.
4. Advisory Editor, Mathematical Methods in the Applied Sciences, Wiley, since 2009.

5. Editorial Board of Network Biology (ISSN 2220-8879)
6. Editorial Board of Computational Ecology and Software (ISSN 2220-721X)
7. Editorial Board of Shekhar(New Series) International Journal of Mathematics
8. Associate Editor of the Proceedings CMMSE 2008, La Manga del Mar Menor, Spain, June 12th-16th, 2008.
9. Associate Editor of the Proceedings CMMSE 2009, Gijón, Asturias, Spain, June 30th - July 3rd, 2009.
10. Co-Editor of the Proceedings DWCAA 2009, Canazei, 4-9/9/2009
11. Advisory Editor (2010-2017), Associate Editor (2018-) of Journal of Biological Systems (World Scientific).
12. Associate Editor of the Proceedings CMMSE 2010, Almeria, Spain, June 27th-30th, 2010.
13. Associate Editor of the Proceedings CMMSE 2011, Benidorm, Spain, June 26th-30th, 2011.
14. Associate Editor of the Proceedings CMMSE 2012, La Manga del Mar Menor, Spain, July 2nd-5th, 2012.
15. Associate Editor of the Proceedings CMMSE 2013, Almeria, Spain, June 24th-27th, 2013.
16. Associate Editor of the Proceedings CMMSE 2014, Rota (Cadiz), Spain, July 3rd-7th, 2014.
17. Associate Editor of Contemporary Mathematics and Statistics, Columbia International Publishing, ISSN: 2163-1204 (Online) since 2012.
18. Editorial Board of Rendiconti del Seminario Matematico dell'Università e del Politecnico di Torino.
19. Editorial Board for Heliyon, Elsevier's open access journal, since 2015
20. Member of the BIOMAT Consortium Director Board, since 2015

21. Member of Editorial Board in our conference proceeding on "Modern Mathematical Methods and High Performance Computing in Science & Technology (M3HPCST-2015)" on December 27-29,2015, Raj Kumar Goel Institute of Technology(RKGIT),Gaziabad in Utter Pradesh, India, which may likely to be published by Springer-Verlag.
22. Chief Editor, Collana "Mathematical and Computational Biology and Numerical Analysis", Aracne editrice, Roma, since 2105.
23. Editorial board of Applied Mathematics and Nonlinear Sciences since 2016.
24. Associate Editor of the Proceedings of the 17th International Conference on Mathematical Methods in Science and Engineering - Costa Ballena, Rota (Cadiz), Spain, July 4rd-8th, 2017.
25. Editor, Computational and Mathematical Methods (Wiley) since its start in 2018.
26. Member of the Board of Advisors of the International Conference on "Mathematical Modeling and Computing" (ICMMC 2018), Jaipur Engineering College and Research Centre, Jaipur, India, 6th -7th April 2018.
27. Current Trends in Dynamical Systems in Biology and Natural Sciences", Maira Aguiar, Carlos Braumann, Bob Kooi, Andrea Pugliese, Nico Stollenwerk, Ezio Venturino (Editors) Springer-SIMAI series, 2020.
28. Advisor for the Editorial Board of Journal of Biological Systems, since 2018.
29. Member of the Editorial Board of MATCOM (Mathematics and Computers in Simulations), since 2019.

2.6 Organizational activities

1. Member of the organizing committee of First Numerical Analysis Day, Iowa City, Iowa, USA, April 29, 1995.
2. Member of the International Scientific Committee of the WSEAS Conferences: SEPADS 2004, AIKED 2004, EHAC 2004, ISPRA 2004.
3. Member of the Scientific Committee of the CMMSE series 2011-2013 2016-2020.

4. Member of the Scientific Committee of the DSABNS series since the start, 2009 up to 2020.
5. Member of the scientific committee of ICAPM 2013, International Conference on Applied and Pure Mathematics, Iași, Rumania, 1-3 novembre 2013.
6. Main organizer of MPDE14, Torino, August 25th-29th 2014.
7. Member of the Advisory Committee of the workshop and symposium “Modelling, Experimentation, and Simulation on Complex Systems” (MESCoS2015), June 10th-22nd, 2015, HIT, Haldia, West Bengal, India.
8. Main organizer of CAMo: from Molecules to Models, Torino, September 14th-15th, 2015.
9. Member of the Scientific/Advisory Committee of the International conference on “Modern Mathematical Methods and High Performance Computing in Science & Technology (M3HPCST)”, Raj Kumar Goel Institute of Technology Ghaziabad, UP India (near New Delhi), December 27th-9th, 2015.
10. Member of the Scientific Committee of NETNA2015 Falerna (CZ), Italy, June 18th-21st, 2015.
11. Member of the Advisory Committee of the International Conference on Mathematical Modeling and Simulation (sponsored by the Indian Academy of Mathematical Modeling and Simulation, IIT Kanpur) 29th-31st August, 2016.
12. Main organizer of the Ninth Workshop Dynamical Systems Applied to Biology and Natural Sciences, DSABNS, Feb. 7th - 9th, 2018 Università di Torino, Italy.
13. Member of the Scientific Advisory Committee of the international conference Models in Population Dynamics, Ecology, and Evolution (MPDEE'18) University of Leicester (UK), April 9-13, 2018
14. Member of the Advisory Committee of the International Conference on Mathematical Modeling and Computations in Bio-Systems, IIT Roorkee, 12-14 March 2018.
15. Member of the scientific advisory committee of Besançon MB² conference, June 18-22 2018.

16. Honorary member of the International Advisory Committee of the conference ICRTMS 2018, Department of Applied Mathematics, Maharaja Bir Bikram University, March 24-25, 2018.

2.7 Member of panels

1. Opponent member of the the Ph.D. examination committee of Marek Kolk, University of Tartu, Estonia, 26 November 2010.
2. Kailash Patidar, grant evaluation for the South African NRC, 2011?.
3. Kailash Patidar, grant evaluation for the South African NRC, 2013?.
4. Member of the Ph.D. examination committee of Andrew Bates, Bath, UK, April 11th, 2014.
5. Member of the Ph.D. examination committee of Pamela Moschini, Trento, Italy, January 22nd, 2015.
6. Member of the Ph.D. examination committee of Pankaj Tiwari, Varanasi, India, November 9th, 2015.
7. Member of the Habilitation defense examination committee of Antoine Perasso, Univ. of Franche-Comté, Besançon, France, Sept. 10th, 2018.
8. Thibault Moulin, PhD defense, Univ. of Franche-Comté, Besançon, France, Oct. 11th, 2018.
9. Yves Dumont, research evaluation for the South African NRC, Pretoria, 2018.
10. Malgorzata Wieteska, PhD defense, Univ. of Sligo, Ireland, January 21st, 2020.

2.8 Invited Talks

1. Dipartimento di Matematica, Università di Pavia, Italy, July 1985, title: “The use of compartment models for the study of iron metabolism”.
2. Dipartimento di Matematica, Università di Torino, December 12th, 1985, title: “Mathematical models in biology - first part”.
3. Dipartimento di Matematica, Università di Torino, December 19th, 1985, title: “Mathematical models in biology - second part”.

4. Istituto per le Applicazioni della Matematica, Napoli, Italy, January 6th, 1986, title: “Numerical solution of singular integral equations with Cauchy type singularities - analytic methods”.
5. Istituto per le Applicazioni della Matematica, Napoli, Italy, January 7th, 1986, title: “Numerical solution of singular integral equations with Cauchy type singularities - numerical methods”.
6. Iowa State SIAM Meeting, University of Iowa, Iowa City, Iowa, April 1986, title: “A survey of numerical methods for singular integral equations”.
7. Dipartimento di Matematica, Università di Camerino, Italy, July 1987, title “Numerical methods for singular integral equations”.
8. Dipartimento di Matematica, Università di Catania, Italy, Seminars in Applied Mathematics, May 31st, 1989, title: “Differential and integral formulations in numerical analysis”.
9. Matematiske Institut, Kobenhavn Universitet, Denmark, April 4th, 1989, title “A survey of singular integral equations: origin, theory and numerical methods”.
10. University of Wisconsin at Milwaukee, October 20th, 1989, title “Analytical and numerical techniques for integral equations with a Cauchy type singularity”.
11. University of Wisconsin at Milwaukee, April 12th, 1991, title “A non-standard approach to the solution of singular integral equations”.
12. Politecnico di Milano, Italy, February 18th, 1993, title “Singular integral equations: their origin and analysis of a numerical method”.
13. University of Queensland, St. Lucia, Australia, October 1995, title “On the use of symbolic manipulators”.
14. University of Tasmania, Hobart, Australia, December 21st, 1995, title “Stability results for Toeplitz type matrices”.
15. Università di Messina, Italy, February 1997, title: “When to use and not to use symbolic manipulators in mathematics”.
16. University of Innsbruck, Austria, July 24th, 2002; title: “Recent advances in the study of epidemics among interacting populations”.

17. Universitat de Girona, Spain, September 12th, 2003; title “Epidemics in symbiotic environments”.
18. University of Torino, Department of Mathematics, 2-3 March 2004, two seminars on my researches in biomathematics.
19. Bio.Ma. 2005, Third cycle of conferences in marine biology, Department of Animal and Human Biology, University of Torino, April 21st 2005, title “Mathematical models for marine biology and more”.
20. Universidad de Valladolid, Spain, May 31st, 2005; title “Recent results on singular integral equations”.
21. Technische Universität Bergakademie Freiberg, Germany, July 21st, 2005; title “An introduction to ecoepidemiological models”, talk given in German.
22. Technical University of Crete, Chania, September 13th, 2006; title “An overview of ecoepidemic models”.
23. Università del Piemonte Orientale, Novara, February 15th, 2007; title “Does democracy really work?”.
24. University of São Paulo, campus of São Carlos, Brasil, July 24th 2007, title: “On the solution of the Muskhelishvili equation and related elasticity problems”.
25. University of São Paulo, campus of São Carlos, Brasil, July 24th 2007, title: “Biomathematics activities at the University of Torino”.
26. University of Tartu, Estonia, November 25th, 2010, 2 talks: On some real life problems in biology and ecology solved by mathematics (2 hours); A recent new direction in mathematical biology research: ecoepidemics (90 minutes).
27. Technische Universität Bergakademie Freiberg, Germany, September 28th, 2011, title: Two new ideas in mathematical population theory.
28. Université de Fribourg, Switzerland, May 21st, 2013, title: Some recent mathematical applications in biology and ecology with relevant economic impact.
29. University of Aveiro, Portugal, February 14th, 2014, title: Recent relevant issues involving mathematical applications in ecology.

30. Istituto dei Sistemi Complessi - CNR Sesto Fiorentino, Italy, February 21st, 2014, title: Some new theoretic concepts in biomathematical research.
31. Birmingham, UK, April 10th, 2014, title: Interaction models with genetically differentiated populations.
32. Bath, UK, April 11th, 2014, title: Two applications of mathematical modelling in agriculture: biological control of pests and fighting epidemics spread in farms
33. Torino, Italy, April 28th, 2014; Browsing through Mathematics, a seminar given entitled "Modeling trees debarking by wild animals in natural environments"
34. Translational Health Science and Technology Institute, Delhi, India, November 24th-27th 2014; given a seminar entitled "Modeling disease spread and control in farms"; given a four hour minicourse entitled "Basic models in mathematical biology".
35. University of Trento, Italy, January 22nd, 2015; given a seminar entitled "Modeling transmissible diseases propagation in farms".
36. University of Coimbra, Portugal, February 11th, 2015; given a seminar entitled "Some recent mathematical ideas for applications in biology"
37. Banares Hindu University, Varanasi, UP, India, February 23rd, 2015; given a seminar entitled "Models for Ecological Systems"; visit February 21-27, 2015.
38. IFT-UNESP, São Paulo, Brazil, August 11th, 2015; given a seminar entitled "Ecoepidemiology: better insights for populations interactions". The visit lasted August 9th-17th.
39. UNESP Campus de Botucatu, Brazil, August 18th, 2015 (3 days visit); given two seminars entitled "Current trends in ecoepidemiology" and "Applications of dynamical systems to some relevant real-life issues".
40. UFRJ, Rio de Janeiro, August 26th, 2015; title of the seminar: "On aquatic viral infections"
41. Benares Hindu University, Varanasi, India, November 10th, 2015, title of the seminar: "Epidemic models for two CAEV strains"

42. Visva Bharati Univ., Santiniketan, WB, India, November 23rd and 24th, 2015: given two seminars entitled: “Competition, invasion, harvesting: various forms of endangering biodiversity”; “Examples of mathematics for the life sciences”
43. IIT Kanpur, Kanpur, India, November 30th, 2015, title of the seminar: “Mathematical modeling: a powerful tool as breeders help”
44. Public Health Fundation of India, Delhi, December 2nd, 2015, title of the seminar: “Some models in the life sciences: insights in biology, epidemiology, medicine.”
45. R.K. Goel Institute of Technology, Ghaziabad, UP, India, December 4th, 2015, title of the seminar: “Mathematics as an effective mean to fight diseases: two relevant examples in the animal realm”.
46. “Numerical basics for biological applications”, 10 hours advanced course given at Translational Health Science and Technology Institute, Delhi, December 1st-7th, 2015.
47. Translational Health Science and Technology Institute, Delhi, December 5th, 2015; title of the seminar: “Compartment models in biomathematics”
48. Instituto Politécnico de Bragança, Portugal, January 29th, 2016; title of the seminar: “Mathematics for the life sciences: ideas and examples”.
49. Beijing Normal University, October 28th, 2016. Title of the talk: “Preservation of natural resources: modeling the interactions of herbivores and vegetation”
50. Universidade do Minho, Guimaraes, February 10th, 2017. Title of the talk: “An unconventional application of mathematics: epidemics control in farms”
51. Instituto Superior Técnico, Lisboa, February 16th, 2017. Title of the talk: “Models for sustainable biodiesel production”
52. Università di Genova, June 16th, 2017. Title of the talk: “Una carrellata su vari modelli recenti in biologia matematica” (An overview on various recent models in biomathematics)
53. University of Western Cape, Capetown, South Africa, September 1st, 2017, title of the seminar: “Some recent research directions in mathematical biology research at the University of Torino”

54. University of Cape Town, South Africa, September 20th, 2017, title of the seminar: “The interplay of herbivores, grass and trees”
55. Stellenbosch University, Capetown, South Africa, September 22nd, 2017, title of the seminar: “On some (space-independent!) invasion models”
56. Université de Besançon, France, September 27th, 2017, title of the seminar: “Ecologic and epidemiologic issues in metapopulation models”.
57. Pushchino, Russia, October 27th, 2017, title of the seminar: “On the emergence of resistance to vaccination and drug treatments”
58. University of Naples, December 5th, 2017, title of the presentation: “Modeling as a powerful tool for fighting farm epidemics”.
59. University of Helsinki, Finland, December 13th, 2017, title of the seminar: “Two resources for one population: the case of wild herbivores in natural parks” .
60. University of Bologna, Department of Physics, Italy, February 12th, 2019, title of the seminar: “Uno sguardo su modelli matematici recenti in ecologia (A look at recent mathematical models in ecology)”.
61. IANUA-ISSUGE, Scuola Superiore dell’Università di Genova (Superior School, University of Genua, Italy), May 4th, 2019; minicourse (4 hours) for bachelor and master students: “Mathematics for the life sciences: techniques, ideas and examples”.
62. University of Malaga, Spain, “On the spreading of communicable diseases in farming environments”
63. Università della Calabria, Cosenza, 12/7/2019, “Una carrellata di modelli matematici per la gestione di ecosistemi e gli allevamenti” (A survey of mathematical models for ecosystem and farming management)
64. University of Guelph, Canada, “Examples of biological control exerted by insects and fungi”
65. University of York, Canada, “Epidemiological models for disease propagation in a farm”

2.9 Hosted visitors

At the University of Catania I invited:

- Spring 1989, C. Gupta, short visit, research on boundary value problems for ordinary differential equations;
- Spring 1990, F. Potra, (Univ. of Iowa) one month visit, research on low order quadrature rules for Cauchy principal value integrals;
- Spring 1992, A. Saxena, (Univ of Lucknow, India) one month visit, research on lacunary interpolation;
- Spring 1992, W. Sproessig, (Bergakademie Freiberg, Germany) one month visit, research on "window problems";
- Academic year 1993/94, W. Sproessig, (Bergakademie Freiberg, Germany) short visit;
- Academic year 1993/94, V. Didenko, (University of Odessa, Ukraine) one-month CNR-supported visit;
- Spring 1995, G. Chandler, (University of Queensland, St. Lucia, Australia) short visit;
- L. Puccio, (University of Messina) April 1997, invited talk: "Algoritmi paralleli per l'elaborazione di segnali e immagini" (Parallel algorithms for signal and image processing).

At the Politecnico of Torino I invited:

- A. Medvinsky, (ITEB, Pushchino, Russia) October 1999, one month INDAM-supported visit, research on plankton dynamics;
- W. Sproessig, (Bergakademie Freiberg) March 2000, one-week visit under the bilateral agreement of the Erasmus program;
- H. Hethcote, (Univ. of Iowa) May 2000, for a short visit;
- S. Okada, (Univ. of New South Wales) June 2000, for a short visit;

At the University of Torino I invited:

- S. Petrovsky, (Russian Academy of Sciences, Moscow) October 2001, for a one-month INDAM-supported visit, research on plankton dynamics;

- V. Didenko, (Univ. of Brunei) June 2002, one-month INDAM-supported visit, research on Muskhelishvili's equation in elasticity theory;
- W. Sproessig (Technische Universität Freiberg, Germany), July 2003, short visit under the bilateral agreement of the Erasmus program;
- B. Quatember (Universität Innsbruck, Austria) April 2004, short visit under the bilateral agreement of the Erasmus program;
- F. Diaz d'Almeida (Universit  de Porto, Portugal) April 2004, short visit under the bilateral agreement of the Erasmus program;
- P. Graves-Morris (University of Bradford, UK) May 2004, short visit under the bilateral agreement of the Erasmus program;
- V. Didenko, (Univ. of Brunei) May 2004, short visit for researches in integral equations;
- S. Petrovsky, (Russian Academy of Sciences, Moscow) June 2004, one-month visit supported by the European Training Foundation, Individual Mobility Grant, research on plankton dynamics and epidemics;
- H. Malchow (Osnabr ck Universit t, Germany) July 2004, short visit under the bilateral agreement of the Erasmus program;
- L. Abia (Universidad de Valladolid, Spain) November 2004, short visit under the bilateral agreement of the Erasmus program;
- T. Buchukuri (A. Razmadze Mathematical Institut, Tbilisi, Georgia) November 2004, one-month visit, research on integral equations.
- P. Graves-Morris (University of Bradford, UK) May 2005, short visit under the bilateral agreement of the Erasmus program;
- O. Angulo (Universidad de Valladolid, Spain) June 2005, short visit under the bilateral agreement of the Erasmus program.
- H. Malchow, Osnabr ck Universit t, Germany, September 2005, short visit under the bilateral agreement of the Erasmus program;
- B. Quatember, Universit t Innsbruck, Austria, October 2005, short visit;
- R. Duduchava, Universit t Saarland, Germany, October 2005, short visit;

- E. Akyar, Anadolou University, Turkey, May 2006, short visit under the bilateral agreement of the Erasmus program.
- October 2006 with the support of MAE Program of Scientific Collaboration with l'India, Biomedical Sciences, Prof. J. Chattopadhyay, ISICAL Calcutta, India, one month.
- November 2006 with the support of CRUI-DAAD, Program of Scientific Collaboration VIGONI with Germany, I. Siekmann, Universität Osnabrück, Germany, one week.
- December 2006 swith the support of CRUI-DAAD, Program of Scientific Collaboration VIGONI with Germany, Prof.ssa U. Feudel, Universität Oldenburg, Germany, one week.
- December 2006 swith the support of CRUI-DAAD, Program of Scientific Collaboration VIGONI with Germany, D. Stiefs, Universität Oldenburg, Germany, two weeks.
- October 2006-September 2007 two postdoctoral positions with MIUR support: Postdoc Program for young indian researchers: dr. Suriyanarayanan, Barathiar University, dr. S. Chatterjee, University of Calcutta.
- S. Düzce, Anadolou University, Turkey, May 2007, short visit under the bilateral agreement of the Erasmus program;
- October 2007-September 2008; postdoctoral position with MIUR support: Postdoc Program for young indian researchers: dr. Suriyanarayanan, Barathiar University.
- December 2007 with the support of CRUI-DAAD, VIGONI Program, D. Stiefs, Universität Oldenburg, and I. Siekmann, Universität Osnabrück, Germany, for one week.
- April 2008-March 2009; postdoctoral position with MIUR support: dr. S. Chatterjee, University of Calcutta.
- WWS Project: grants for 12 months for Brasilian researchers, 2008: Rafael Vilamiu, Univ. Campinas, Raul Assis, Univ. Mato Grosso, both for 4 months, Silvia Raimundo-Martorano, Univ. São Paulo, for 3 months.
- May 2008, Erasmus visit of K. Guseynov, Anadolu Univ., Turkey, one week.

- A. Rusakov, Univ. Pushchino, Russia, 1 month with support of GNCS, February 2009;
- short visit with support of Vigoni project, dr. M. Siebert e I. Hotopp, Univ. Osnabrueck, Germany, May 2009;
- Silvia Raimundo-Martorano, Univ. São Paulo, 2 months, with support of Fondazione Lagrange, October-November 2009;
- short visit with support of progetto Vigoni, dr. M. Siebert e Prof. H. Malchow, Univ. Osnabrueck, Germany, October 2010;
- A. D’Onofrio, Istituto Europeo per la ricerca sul cancro, seminar in October 2010.
- November 2010-July 2011; postdoctoral position with support of MIUR-Università di Torino: “Programma Postdottorato per giovani ricercatori indiani”: dr. S. Chaudhuri, Università di Calcutta;
- Erasmus Visit H. Malchow, Univ. Osnabrueck, April 2011
- Erasmus Visit A. Ishizawa, Univ. Portsmouth, April 2011
- Erasmus Visit Y. Derehi, Univ. Anadolou, May 2011
- Visit of S. Kim, Univ. Seul, Korea, June 2011.
- Erasmus Visit of V. Dzhafarov (Cafer), Univ. Anadolou, May 2012
- Silvia Raimundo-Martorano, Univ. São Paulo, one month, support of GNCS, October 2012.
- Narcisa Apreutesei, Univ. Iași, Romania, one week, November 2012.
- Erasmus Visit of H. Malchow, Univ. Osnabrueck, August 2014
- Erasmus Visit of M. Bengfort, Univ. Osnabrueck, August 2014
- “Programma Professori di Chiara Fama”, visit of A. Morozov, Univ. Leicester, UK, one week, March 16th-20th, 2015
- Erasmus Visit of F. Hilker, Univ. Osnabrück, Germany, one week, April 7th-11th, 2015
- Visit of R. Abreu de Assis, Univ. de Mato Grosso, Sinop, Brazil, two years, since September 28th 2015.

- L. Mafalda Assis, Univ. de Mato Grosso, Sinop, Brazil, doctoral student, 3 years, since September 28th 2015.
- Visit of M. Ceconello, Univ. de Mato Grosso, Sinop, Brazil, one year, since February 21st 2016.
- WWS15 Project: 3 months grants for foreign researchers, 2015: Surabhi Pandey, Public Health Foundation of India, Gurgaon-122002, Haryana, India, January 13th - April 11th 2016; Pankaj Tiwari, ISICAL, Kolkata, India, May 5th - July 28th 2016.
- “Programma Professori di Chiara Fama”, visit of S. Petrovskii, Univ. Leicester, UK, one week, April 16th-23rd, 2016
- Visit of N. Petrovskaya, Univ. Birmingham, UK, one week, April 16th-23rd, 2016
- Erasmus Visit of F. Hilker, Univ. Osnabrück, Germany, one week, April 24th-May 1st, 2016
- Silvia Raimundo-Martorano, Univ. São Paulo, Brazil, one month, her own support, April 2016.
- Visit of M. Banerjee, IIT Kanpur, India, July, 2016
- Visit of A. Perasso, on sabbatical from the Univ. de Besançon, France, one year, August 1st 2016 - July 31st, 2017.
- N. Britton, Univ Bath, UK, October 5th-8th, 2016
- F. Pennacchio, Univ Napoli Federico II, October 7th-8th, 2016
- Korichi Farhouh, École Normale Supérieure de Kouba, Algeria, November 12th-December 12th, 2016.
- Q. Richard, Univ. de Besançon, France, November 16th-17th 2016
- T. Moulin, Univ. de Besançon, France, November 16th-17th 2016
- Visit of Q. Richard, Univ. de Besançon, France, three weeks, May 8th-27st, 2017.
- Visit of H. Malchow, Univ. of Osnabrueck, Germany, one week, May 14th-21st, 2017.

- Visit of J.B. Burie, Univ. de Bordeaux, France, one week, May 14th-21st, 2017.
- Visit of D. Olivieri, Univ. de Vigo, Ourense 32004, Spain, one week, May 13th-20th, 2017.
- Visit of D. Greenhalgh, Univ. of Strathclyde, Glasgow, UK, one week, May 29th - June 2nd, 2017.
- Visit of H. Malchow, Univ. of Osnabrueck, Germany, one week, February 4th-10th, 2018.
- Teaching Mobility, distinguished visitor Florian Potra, Univ. of Maryland, Baltimore, March 6th-June 6th, 2018
- Visit of H. Laurie, Univ. of Cape Town, South Africa, one week, May 8th-14th, 2018.
- Visit of P. Das, Jadavapur Univ., Kolkata, India, July 14th-17th, 2018.
- Visit of Guangming Deng and Zhin Jia, Guilin University of Technology, China, November 7th, 2018.
- Visit of B. Kooi, Univ. Amsterdam, Netherlands, February 24th-27th, 2019
- Visit of V. Capasso, Univ. Statale, Milan, February 28th, 2019
- Erasmus Visit of R. Bravo, Univ. Alcalà, Spain, one week, March 9th-15th, 2019
- Visit of M. Marvá, Univ. Alcalà, Spain, May 5th - 25th, 2019
- Visit of V. Capasso, Univ. Statale, Milan, May 28th, 2019
- Visit of Youcef Belgaid, Univ of Chlef, Algeria, June 10th-21st, 2019.
- Sabrina Simon, doctoral student Univ. São Paulo, 1 year, October 2019 - September 2020;
- Visit of Youcef Belgaid, Univ of Chlef, Algeria, February 15th- April 15-th, 2020.

2.10 Conferences and courses attended

- Summer Courses in Perugia, Italy, organized by the Italian Research Council (CNR) and the Department of Education:
 1. 1977 Numerical Analysis, (W.Gautschi, Purdue University, IN) and Introduction to Programming and to Computer Science, (R.Snow, University of Newcastle upon Tyne, England).
 2. 1978 Operations Research, (B.Conolly, Chelsea College, London), Differential Equations of Mathematical Physics, (C.D.Pagani, Università of Milan) and again Numerical Analysis, (E.R.Hanson, Washington State University).
 3. 1979 Mathematical Models, (E.Beltrami, SUNY at Stony Brook), Probability Theory (G.C.Rota, MIT).
- Their follow-ups:
 1. Operations Research, Torino, January 1979, organizer, (B.Conolly, M.Cirina’);
 2. PDE’s, Firenze, May 1979, (C.D.Pagani, Murty, University of Bombay);
 3. Probability Theory, Pisa, December 1979, (C.G.Rota, L.Accardi);
 4. Mathematical Models, L’Aquila, May 1980, (G.Letta, G.Resta);
 5. Numerical Analysis, Cosenza, June 1980, (J.Lyness, Argonne National Laboratory, IL, F.A. Costabile).
- 1. Fifth IMACS Symposium, Lehigh University, Bethlehem, Pennsylvania, June 21-22, 1984, two papers presented entitled “The convergence of the Galerkin method for singular integral equations of the second kind”, “On the approximate solutions of singular integral equations using Galerkin type methods and collocation”.
- 2. Computational Mathematics — The State of the Art, Argonne National Laboratory, Chicago, Illinois, September 20-21, 1984.
- 3. Fifth International Conference on Mathematical Modelling, Berkeley, California, July 29-31, 1985, a paper presented entitled “The use of compartment models in ferrokinetic analysis”.
- 4. Eleventh IMACS World Symposium, Oslo, Norway, August 5-9, 1985, a paper presented entitled “A generalization of the classical epidemiology model”.

5. Convegno di Analisi Numerica dell'Istituto per le Applicazioni della Matematica, (Numerical Analysis meeting of the Institute for the Applications of Mathematics of Naples) Sorrento, Italy, September 30-October 2, 1985, a paper presented entitled "A modified product rule method for solving singular integral equations via lacunary interpolation: the $(0, 2, 3)$ type case".
6. Iowa State Joint AMS, MAA, SIAM Meeting, University of Iowa, Iowa City, Iowa, April 12-13, 1986, a paper presented upon invitation entitled "A survey of numerical methods for singular integral equations".
7. Fifteenth Midwest ODE Conference, Marquette University, Milwaukee, Wisconsin, October 17-18, 1986.
8. Seventeenth Midwest ODE Conference, Iowa State University, Ames, Iowa, October 28-29, 1988.
9. First Industry Day, Chicago, Illinois, December 5, 1989.
10. Didamatica '90, Informatica per la didattica (Computer Science in Teaching), Catania, Italy, May 2-3, 1990, a paper presented entitled "Un'esperienza di didattica universitaria sul personal computer" (An experience of college teaching with the PC).
11. Third International Symposium on Orthogonal Polynomials, Erice, Italy, June 1-9, 1990, a paper presented entitled "Using Chebyshev polynomials for the numerical solution of singular integral equations of the second kind".
12. SIAM 1990 Annual Meeting, Chicago, Illinois, July 15-20, 1990, a paper presented entitled "Unconventional methods for singular integral equations".
13. Connecting with Industry, Minneapolis, Minnesota, October 12-13, 1990.
14. Nineteenth Midwest ODE, Integral Equations Conference, Rolla, Missouri, October 19-20, 1990, a paper presented entitled "Solving second kind singular integral equations with a hyperbolic tangent quadrature".
15. VI International Conference on Waves and Stability in Continuous Media, Acireale, Italy, May 27- June 1, 1991.
16. Advanced Seminar on Applied Mathematics, Venezia, June 17 - 22, 1991.

17. Second ICIAM, Washington, D.C., USA, July 7-12, 1991, a paper presented in a poster session entitled “Finite differences versus singular integral equations for solving mixed boundary value problems”.
18. IMA Workshop on Semiconductors, Minneapolis, Minnesota, July 15-19 and July 29-August 9, 1991.
19. Thirteenth IMACS World Congress, Dublin, Ireland, July 22-26, 1991, a paper presented entitled “Divergence of the Galerkin method for singular integral equations”.
20. VII Simposium Sobre Polinomios Ortogonales y Aplicaciones (Seventh Symposium on Orthogonal Polynomials), Granada, Spain, September 23-27, 1991, a paper presented entitled “An unconventional algorithm for singular integral equations”.
21. Differential-Delay Equations, Iowa State University, Ames, Iowa, October 18-19, 1991.
22. Twentieth Midwest Conference on Differential Equations, Iowa City, Iowa, USA, December 6-7, 1991, a paper presented entitled “The influence of diseases on Lotka-Volterra systems”; chaired two sessions.
23. Workshop on Matrix Computations and Applications, University of Manitoba, Winnipeg, Manitoba, Canada, December 9-10, 1991.
24. Extrapolation and Rational Approximation, University of La Laguna, Tenerife, Spain, January 13-17, 1992, a paper presented entitled “A interpolation algorithm on arbitrary points”.
25. Third International Conference on Mathematical Population Dynamics, Pau, France, June 1-5, 1992, a paper presented entitled “Epidemics in predator-prey models: disease in the prey”.
26. Sixth IMA Conference on the Mathematical Theory of the Dynamics of Biological Systems, Oxford, England, July 1-3, 1992, a paper presented entitled “Epidemics in predator-prey models: disease among the predators”.
27. NATO Advanced Workshop: Algorithms for Approximation 1992, Oxford, England, July 27-31, 1992, a paper presented entitled “On the numerical evaluation of Cauchy transforms”.

28. International Symposium on Operator Equations and Numerical Analysis, Gosen, Germany, September 27-October 2, 1992, a paper presented entitled “Stability and convergence of a hyperbolic tangent method for singular integral equations”.
29. Fourth International Symposium on Orthogonal Polynomials and their Applications, Evian, France, October 19-23, 1992, a paper presented entitled “The use of symbolic manipulators in quantum groups”; chaired a session.
30. ECMI 93, Montecatini, March 2-6, 1993, chaired a session.
31. Fifteenth Biennial Conference on Numerical Analysis, Dundee, Scotland, June 29-July 2, 1993, a paper presented entitled “Numerical solution of singular integro-differential equations”.
32. Seventh international conference on domain decomposition methods, Pennsylvania State University, State College, Pennsylvania, USA, October 27-30, 1993.
33. Twentysecond Midwest Conference on Differential Equations, Columbia, Missouri, USA, November 12-14, 1993, a paper presented upon invitation in a special session entitled “Oscillatory solutions for epidemics in interacting species models”.
34. Recent Developments in Approximation Theory, Wavelets and Applications, Acquafredda di Maratea, May 16-26, 1994, a paper presented entitled “On the solution of discretely given Fredholm integral equations over lines”.
35. Secondo Congresso Nazionale SIMAI, Anacapri, May 31- June 3, 1994, a paper presented entitled “Age-dependent interacting populations”.
36. ICCAM 94, Leuven, Belgium, July 25-29, 1994, a paper presented entitled “On the $(0, 4)$ lacunary interpolation problem and some related questions”; chaired a session.
37. International Conference/Workshop on Applications of Operator Theory, October 2-6, 1994, Winnipeg, Manitoba, Canada, a paper presented entitled “Effective numerical computation of operators defined by line integrals”.
38. High Performance Scientific Computing, Phoenix, Arizona, USA, 9-13/4/1995, a paper presented entitled “Epidemics in age-dependent interacting populations”.

39. First Numerical Analysis Day, Iowa City, Iowa, USA, April 29, 1995; a paper presented entitled “Iterative solutions of singular integral equations”; chaired a session, member of the organizing committee.
40. Special Functions, q-Series, and Related Topics, Toronto, Ontario, Canada, June 12-23, 1995.
41. Sixth International Colloquium on Differential Equations, Plovdiv, Bulgaria, August 18-23, 1995; given a one hour invited talk entitled “Age and space effects of epidemics in interacting populations”; chaired a session.
42. Meeting on “Approximation Theory”, Cortona, Italy, September 24-29, 1995; a paper presented upon invitation entitled “On the calculation of line integrals with logarithmic singularities”.
43. Second Numerical Analysis Day, Milwaukee, Wisconsin, USA, April 27, 1996; a paper presented entitled “On the numerical calculation of Hadamard finite part integrals”.
44. Analytical and Numerical Methods for Quaternionic and Clifford Analysis, Seiffen, Germany, June 5-7, 1996; a paper presented upon invitation entitled “Quaternionic formalism, numerical analysis and model problems in electromagnetism”.
45. Second World Congress of Nonlinear Analysts, Athens, Greece, July 10-17, 1996; a paper presented upon invitation entitled “Epidemics in mutually competing species”.
46. Third International Conference on Functional Analysis and Approximation Theory, Acquafredda di Maratea, Italy, September 23-28, 1996; a paper presented entitled “An iterative scheme for variable coefficients singular integral equations”; substituted the chairman of a session.
47. IKM 97, Weimar, Germany, February 26 - March 1, 1997; a paper presented upon invitation entitled “Quaternion methods for random matrices in quantum physics”.
48. First UK Conference on Boundary Integral Methods, Leeds, UK, July 1997; a paper presented entitled “Numerical analysis of a boundary hypersingular integral equation”.
49. AMS Regional Meeting, Milwaukee, October 1997.

50. AICME, Alcalá, Spain, September 4-8, 1998; a paper presented entitled “Epidemics in interacting populations: competing and symbiotic cases”.
51. Second Turin Fortnight on Nonlinear Analysis, Università di Torino, Turin, Italy, September-October 1999.
52. Mathematical Methods of Mathematical Physics in Tumour Research, Politecnico di Torino, Turin, Italy, March 2-3, 2000.
53. IMACS 2000 International Conference on Scientific Computing and Mathematical Modeling, Milwaukee, WI, USA, May 25-27, 2000; a paper presented entitled “On the junction problem for waveguides”.
54. V Convegno nazionale SIMAI, Ischia, Italy, June 5-9, 2000; a paper presented entitled “Solving the Helmholtz equation in unbounded domains with mixed boundary conditions”.
55. Euromech, Metz, France, June 26-30, 2000; a paper presented entitled “On mixed time-dependent boundary value problems arising in fracture mechanics”.
56. ICCAM 2000, Leuven, July 17-21, 2000; a paper presented entitled “A lacunary method for two-point boundary value problems of the fourth order”.
57. First ESMTB Summer School, Martina Franca, Italy, September 4-11, 2000, a course presented entitled “Epidemics spread in ecosystems”.
58. Second IMA International Conference on Boundary Integral Methods: Theory and Application, Bath, UK, September 12-16, 2000, chaired a session, a paper presented entitled “A numerical method for hypersingular integro-differential equations”.
59. GS01 SIAM Conference, Boulder, CO, USA, June 11-14, 2001; a poster presented, entitled “Addressing the “real time” problem in geotechnical computations”.
60. A4A4, Huddersfield, UK, July 15-20, 2001; upon invitation, organizer and chairman of a special session on Integral Equations.
61. Volterra-CIRM International School on Quantum Markov Chains and their Applications in Physics and Quantum Information, Levico, 14-20 dicembre 2001.

62. GNCS2002, Ferrara, Italy, February 12-13th, 2002.
63. SIMAI02, Chia Laguna, (CA), Italy, May 26-31st, 2002, a paper presented entitled “A numerical method for hypersingular integrodifferential equations”.
64. Mathematical Modelling & Computing in Biology and Medicine, 5th Conference of ESMTB (European Society for Mathematical and Theoretical Biology), Milan, Italy, July 2-6th, 2002, a paper presented entitled “Boundary forcing and pattern formation in plankton models”.
65. Computational and Mathematical Methods in Science and Engineering, CMMSE2002, University of Alicante, Spain, September 20-25, 2002; two papers presented, entitled “Post Keynesian models of endogenous money in a closed economy” and “A quadrature method for singular integral equations with conjugation - numerical experience”.
66. Study days on spline and radial functions, Turin, Italy, February 6-7th, 2003; upon invitation, a paper presented, entitled “Lacunary data based methods for fourth order initial and boundary value problems”.
67. GNCS2003, Milan, Italy, February 10-11th, 2003.
68. ICMP 2003, Lisbon, Portugal, July 2003.
69. AICME03, Alcalá, Spain, September 5-9, 2003, invited contribution to the special session “Pattern formation, spatiotemporal chaos and noise in theoretical population dynamics”, entitled “Boundary forcing-induced oscillations in a phytoplankton-zooplankton patch” and one in the special session “Modelling the spread of disease in animal populations” with title “How diseases affect symbiotic communities”.
70. VIII OeMG Meeting, Bozen, Italy, September 22th-26th, 2003; a paper presented, entitled “A dynamical model of the monetary circuit”.
71. Classical and New Approximation Spaces: Theory and Applications, Rome, Italy, February 5-7, 2004, a paper presented, entitled “Solving Muskhelishvili’s equation on smooth curves”.
72. Convegno GNCS 2004, Montecatini Terme, Italy, February 9-11, 2004, a paper presented, entitled “Un metodo per l’equazione biarmonica” (A method for the biharmonic equation).

73. IWTAM II, Montecatini Terme, April 1-3, 2004, a paper presented, entitled “A Galerkin method for linear third order two-point boundary value problems”.
74. Computational and Mathematical Population Dynamics, Università di Trento, June 21-25, 2004; a paper presented, entitled “Investigating the crossing of species barrier in epidemics-affected population models” and a poster entitled: “Numerical investigation of equilibria in age-dependent interacting population models”.
75. SIMAI 2004, Venezia, September 20-24, 2004; a paper presented, entitled “Numerical solution of the biharmonic equation for radar applications”.
76. WSEAS Conference on Mathematics and Computers in Biology and Chemistry 2004 (MCBC 2004), Venice, Nov. 15-17, 2004; **Organizer** of the **Special Session** entitled: “Numerical and symbolic methods for population and epidemics models”; a paper presented entitled “A stage-dependent ecoepidemic model”.
77. ITLA 2004, V Conferencia Italo-Latinoamericana de Matematica Aplicada y Industrial, Trujillo, Peru’, 15-18/12/2004; **member of the national delegation of SIMAI**; a paper presented entitled “Algunos Modelos de Ecoepidemiologia Dependentes de la Edad” (Some age-dependent models of ecoepidemiology”), talk given in Spanish.
78. NAC2005, Cosenza, Italy, May 19-21, 2005; presented the poster: Numerical solution of higher order integrodifferential equations, with G. Pittaluga, L. Sacripante.
79. ECMTB2005, Dresden, Germany, July 18-22, 2005: two posters presented: L. M. Abia, E. Venturino, “Convergence analysis of a finite difference method for a nonlinear stage-dependent epidemic system model”, M. Haque, E. Venturino “Dynamics of disease-affected predators in Holling-Tanner described ecosystems”, and an oral communication, (given by S. Petrovsky) “Impact of predation and infectious diseases in the problems of biological invasion and biological control”; chaired one session and substituted the chairman in a second one.
80. Ambiente, Risorse, Sviluppo, Societa’ Italiana di Ecologia - XV Congresso Nazionale, (15th National Congress of the Italian Society of Ecology) Torino, Italy, September 12-14, 2005, a paper presented, entitled

- “Un modello matematico per il ruolo dei ragni come controllori biologici nelle vigne della Langa Astigiana”, (A mathematical model for the spiders’ role as biological controllers in the vineyards of the Langa Astigiana), with M. Isaia, F. Bona, A. Gherzi, G. Badino.
81. HERCMA05, Athene, Greece, September 22-24, 2005, a paper presented, entitled “Some considerations on epidemics in predator-prey models” with M. Haque.
 82. 5th International Conference Aplimat, Bratislava, February 7-10th, 2006, three papers presented, “Formalizing a table game: 1 - single confrontation”, with T. Hudson, “Formalizing a table game: 2 - the strategies”, with T. Hudson, “A constructive approach to basic linear algebra concepts”, chaired a session.
 83. GNCS 2006, Milan, Italy, February 14-16, 2006.
 84. SIMAI 2006, Baia Samuele, May 22-26, 2006, co-organizer and co-chairman of the Special Session M 13: Boundary Integral Equations: recent numerical developments and applications, presented the paper, “Direct numerical methods for integral equations in elasticity theory”.
 85. Mathematics and its Applications, Torino, July 3-7, 2006, co-organizer and co-chairman of the Special Session 11 “Mathematical population dynamics, mathematical epidemiology and other biomedical applications”, (with M. Langlais) presented the papers “Study of the spiders ballooning effect and its influence on the vineyard ecology” and “Modeling the Aujeszky disease in a highly dense hog-farming area of the Cuneo province”.
 86. IKM 2006, Weimar, July 12-14, 2006, presented the two papers “Non-linear dynamics and wavelets in discrete biomathematical models” with A. Paolucci and “Numerical solution of the first problem in elasticity theory” with V. Didenko.
 87. ESMC 2006, Budapest, Hungary, August 28th-September 1st, 2006, title of the talk: “Numerical algorithms for the biharmonic equation over smooth domains”.
 88. IWANASP 2006, Karlovassi, Samos, Greece, September 6-8, 2006, title of the talk: “On integro-differential equations modelling distributed-delay ecoepidemic systems”.

89. ICNAAM 2006, Hersonissos, Crete, Greece, September 15-19, 2006, title of the talk: “Spatial effects in ecoepidemic models”.
90. CMPD2, UNICAMP, Campinas, Brasile, July 16-20, 2007, two papers and a poster presented; title of the talks “Spiders as biological controllers of the Langa Astigiana”, “Modelling disease spreading in symbiotic communities”; title of the poster “Conceptual spatio-temporal models of marine viral infections”.
91. Eurosim 2007, Lubjana, Slovenia, September 9-13, 2007, title of the talk: “Mathematical models of the Aujeszky disease in the Cuneo province farms, Italy”; another paper with S. Chatterjee presented by the coauthor entitled “Mimicking the spatial self defense effect in a toxic phytoplankton zooplankton system”.
92. ICNAAM 2007, Korkyra, Greece, September 16-20, 2007, one hour invited plenary talk entitled “Ecoepidemiology 15 years later: a survey”.
93. GNCS 2008, Montecatini Terme, February 4-6, 2008.
94. CMMSE 2008, La Manga del Mar Menor, Spain, June 12th-16th, 2008; given a one hour invited talk on “Mathematical Models for Epidemic Containment in Farms”; given a second talk on “Mathematical Models for Biohazards and Farmer’s Behavior in a Swine Epidemic in the Cuneo area, Italy”; organized and chaired a Special Session in “Biomatematics”, Associate Editor of the Proceedings.
95. 9th WSEAS International Conference on Mathematics and Computers in Biology and Chemistry, Bucharest, Rumania, June 24th-26th, 2008, titles of the two talks given: “A model of switching feeding behavior for predators with prey interspecific competition” and “The effects of drug resistants on tuberculosis transmission”.
96. 3rd IWANASP, Ericeira, Portugal, September 10-12, 2008, presented the paper “Ecoepidemic models with delay”, chairman of a session.
97. ICNAAM 2008, Kos, Greece, September 16-20th, 2008, organized and chaired the Special Session “Populations, diseases, ecoepidemiology and pattern formation”; titles of the communications: “Modelling crop bio-control by wanderer spiders” and “A simple model for vector-borne ecoepidemics”.
98. wANPE08, Udine, Italy, December 15-17th, 2008, title of the communication: “A model for an aquatic viral infection”.

99. Convegno Nazionale CNGS, Montecatini, February 3-5, 2009.
100. MATHMOD 09, February 3-5, 2009, Vienna, Austria; titles of the communications: “Intermingling of disease-affected populations”, “A model of a mildly-severely staged disease”; title of the poster: “Comparing two new ecoepidemic models of the Salton sea”.
101. MDBE-09, May 11th-13th, 2009, Leicester, UK; one hour plenary invited talk: “Ecoepidemiology: a more realistic description of population interactions”.
102. International Conference on Computational and Mathematical Methods in Science and Engineering, Gijón, Asturias, Spain, June 30th - July 3rd, 2009; organized and chaired 2 special sessions: “Approximation and Interpolation Theory”, with A. De Rossi, and Bio-Mathematics; upon invitation, given the opening plenary one-hour conference with title: “Harvesting in an ecoepidemiological model with species-barrier crossing”; given a second presentation with the title: “Mimicking spatial effects in predator-prey models with group defense”.
103. DWCAA 2009, Canazei, Italy, September 4th-9th, 2009, organized and chaired the Special Session “Quadrature and cubature formulas, numerical methods for integral equations”.
104. ICNAAM 2009, Rethymno, Greece, September 17th-22th, 2009, organized the Symposium “Biomathematics”; titles of the talks: “A mathematical model of antiretroviral therapy evaluation for HIV type I”, “A virtual hog farm” and “Switching feeding among sound and infected prey”.
105. V Workshop Nazionale di Epidemiologia Veterinaria, (5th National Workshop of Veterinary Epidemiology) Torino, December 10th-11th, 2009.
106. WWMB 2009, Trento, December 17th-19th, 2009, title of the talk: “Disease latency in a predator-prey ecoepidemic model with feeding preference”.
107. Dynamical Systems Applied to Biology and Natural Sciences 2010, Lisboa, Portugal, February 1st-3rd, 2010; one hour plenary invited speaker; title of the talk: “Models for biological control of crops”; member of the organizing committee.

108. CMPD3, Bordeaux, France, May 30th - June 4th 2010: coorganized and presented the special session “Biomathematics with emphasis on ecoepidemiology and spatio-temporal pattern formation”; titles of the talks: “Cellular automata for ecoepidemic models” and “Modeling drug resistance in HIV type I: assessing the impact of antiretroviral therapy”.
109. 10th International Conference on Computational and Mathematical Methods in Science and Engineering, CMMSE 2010, Almeria, Spain, June 27th-30th, 2010; title of the invited one hours plenary talk “Management of public parks via mathematical tools”; coorganizer and chairman of the biomathematics session; titles of the other talks: “A model for the human papilloma virus”, “Ecoepidemic models with identifiable infectives I: disease in the prey”.
110. First International Workshop on Differential and Integral Equations with Applications in Biology and Medicine, Karlovassi, Samos, Greece, September 7th-10th, 2010; given 40 minutes invited talk entitled “Man’s interference with ecosystems: modeling habitat fragmentation for interacting diseased populations”.
111. Numerical Analysis and Applied Mathematics, ICNAAM 2010, T. Simos, G. Psihoylos, Ch. Tsitouras (Editors), Rhodes, Greece, September 19th-25th, 2010; coorganized and cochaired the Symposium on Biomathematics; presented 3 talks entitled “A mathematical model for the bee hive of *Apis mellifera*”, “A mathematical model for HIV drug resistance”, “Ecoepidemic models with identifiable infectives II: disease in the predators”.
112. Second Dynamical Systems Applied to Biology and Natural Sciences, Lisboa, 2-4/2/2011, coorganizer, chaired 3 sessions, given a one hour plenary talk upon invitation, with title “Assessing the vaccination impact on the dynamics of chickenpox and zoster”
113. EvoStar, Torino, Italy, 27-29/4/2011; a joint poster presented with L. Ferreri, M. Giacobini, entitled: “Do Diseases Spreading on Bipartite Networks Have Some Evolutionary Advantage?”
114. CMMSE 2011, Benidorm, Spain, 26-30/6/2011; member of the scientific committee; upon invitation given the general one-hour lecture: “Metaecoepidemics with migration of and disease in the predators”; organizzatore e chairman della sessione di biomatematica; other talks: “First steps in the mathematical modelling of a bioreactor behavior”,

- “First attempts at modelling sleep”; chairman of the session in “Approximation”.
115. 8th ECMTB 2011, Krakov, Poland, 28/6-2/7/2011; coorganizer and chairman of the sessions “Mathematical models in Eco-epidemiology I”, “Mathematical models in Eco-epidemiology II”, “Modelling Dengue fever Epidemiology”, “Eco-epidemiology and evolution”; talks titles: “A two-strain ecoepidemic model”, upon invitation, 40 minutes: “On an age- and stage-dependent epidemic model”.
 116. DYNAMICAL MODELS IN LIFE SCIENCES, Summer School – Mathematical and Theoretical Biology, University of Évora, Portugal, July 24th-30th, 2011: taught upon invitation a 5 hour course, one of 6 mini-courses, “Ecology and Eco-epidemiology”.
 117. Weak Chaos, Infinite Ergodic Theory, and Anomalous Dynamics Workshop August 1 - 5, 2011, Seminar August 8 - 12, 2011, Max Planck Institut fuer Physik komplexer Systeme, Dresden.
 118. DYNACT11, Collective Dynamics and Pattern Formation in Active Matter Systems International Seminar 29 August - 09 September and 19 - 23 September 2011 Embedded Focus Workshop ”Dynamic Organization and Motility of Single Cells” 30 August - 01 September 2011 International Workshop 12 - 16 September 2011, Max Planck Institut für Physik komplexer Systeme, Dresden; presented the poster entitled “Metaecopidemics: a more realistic description of fragmented ecosystems”.
 119. ICNAAM 2011, Halkidiki, Greece, September 19th-25th, 2011, coorganizer and cochairman of the special session “Biomathematics V”, title of the talks: “Ecoepidemics with two strains: Diseased prey”, “On predation of symbiotic systems”.
 120. Third Dynamical Systems Applied to Biology and Natural Sciences, Lisboa, 8-10/2/2012, coorganizer, chaired 4 sessions, given the one hour final plenary talk upon invitation, with title “The action of diffusivity on some recent ecoepidemic models”; one poster presented: “A mathematical model of antiretroviral therapy evaluation of HIV-1: insights from theoretical and numerical studies”.
 121. International Workshop on Mathematical Physics of Complex Networks: From Graph Theory to Biological Physics, Max Planck Institut

für Physik Komplexer Systeme, Dresden, May 14th-18th, 2012. Presented the poster Metaecoepidemic models: a step further in metapopulation theory.

122. CMMSE 2012, La Manga, Spain, 2-5/7/2012; member of the scientific committee; upon invitation given the general one-hour lecture: “Ecoepidemics with group defense and infected prey protected by the herd”; coorganizer and chairman of the session “Biomathematics”; other talks: “A metapopulation model of competition type”, “A simple meta-epidemic model”.
123. Multi-Scale Physics of Lymphocyte Development LYMDEV 2012, Max Planck Institut für Physik Komplexer Systeme, Dresden, 6-31 August 2012; a poster presented, Mathematical Modeling of In Vitro Tissue Growth (S. Borlengo, B. Cerruti, A. Puliafito, F. Chianale, E. Venturino, A. Celani, A. Gamba).
124. EpiNet, Girona, Spain, September 5th-7th, 2012; a poster presented: “Modelling the impact of antiretroviral therapy evaluation on the HIV transmission: understanding drug resistance” (S. Martorano Raimundo, Hyun Mo Yang, E. Venturino, E. Massad).
125. ICNAAM 2012, Kos, Greece, 19-25/9/2012; coorganizer and chairman of the session “Symposium on Biomathematics VI”; title of the talks given: “A meta-epidemic model with steady state demographics and migrations saturation”, “A model for which toxic and non-toxic phytoplankton are indistinguishable by the zooplankton”.
126. Convegno Nazionale GNCS, (National Meeting GNCS) Montecatini Terme, November 14th-15th, 2012.
127. Fourth Dynamical Systems Applied to Biology and Natural Sciences, Lisbon, February 13th-15th, 2013, member of the scientific committee; chaired 2 sessions; upon invitation given the plenary talk: “Population Models of Mathematical Ecogenetics”.
128. 12th International Conference on Non-Linear Analysis, Non-Linear Systems and Chaos (NOLASC '13), Lemesos, Cyprus, March 21st-23rd 2013, plenary invited lecture entitled “Recent Advances in the Study of How Diseases Affect Interacting Populations”
129. 9th International Conference on Energy, Environment, Ecosystems and Sustainable Development (EEESD'13), Lemesos, Cyprus, March 21st-

- 23rd 2013, title of the presentation “A Predator-Prey Model with Genetically Distinguishable Predators”
130. CIMAB - GASVA SIMAI Workshop “Theoretical Approaches and Related Mathematical Methods in Biology, Medicine and Environment”, Milan, April 4th-6th, 2013; presented the activity of the University of Torino.
 131. 18th International Conference Mathematical Modelling and Analysis (MMA2013), Fourth International Conference Approximation Methods and Orthogonal Expansions (AMOE2013), Tartu, Estonia, May 27th-30th, 2013, title of the presentation “Group defense in ecoepidemic models”; chaired a session.
 132. Conference in honor of M. Mackay 70th birthday, Lyon, France, June 3th - 6th, 2013; title of the presentation “Ecoepidemics, or the effects of diseases on demographic interactions”.
 133. CMMSE 2013, Almeria, Spain, 24-27/6/2013; member of the scientific committee; upon invitation given the general one-hour lecture: “Do niches help in controlling disease spread in ecoepidemic models?”; coorganizer and chairman of the session “Biomathematics”; other talks: “Modelling pack hunting and prey herd behavior”, “Modelling the effect of *MDR-TB* on Tuberculosis epidemic”.
 134. MPDE13, Osnabrück, Germany, August 26th-30th; title of the talk “Ecoepidemic food webs”.
 135. ICNAAM 2013, Rhodes, Greece, September 21st-27th, title of the talk: “Competition models with niche for squirrel population dynamics”.
 136. ICAPM 2013, International Conference on Applied and Pure Mathematics, Iași, Rumania, 1-3 novembre 2013; member of the scientific committee; title of the plenary invited talk: “Metapopulations and Metaecoepidemic Models”.
 137. Fifth Dynamical Systems Applied to Biology and Natural Sciences 2014, Lisboa, Portugal, February 10th-13th, 2014, member of the organizing committee; chaired 2 sessions; upon invitation given the plenary talk: “A mathematical model for goat farms affected by Caprine Arthritis Encephalitis”. Book of Abstract DSABNS, pages 20-21, ISBN: 978-989-98750-0-5.

138. Convegno Nazionale GNCS, (National Meeting GNCS) Montecatini Terme, February 18th-20th, 2014.
139. Curiosando nella Matematica – Browsing through Mathematics, Torino, April 28th, 2014. Title of the talk: “Modeling trees debarking by wild animals in natural environments”.
140. 8th European Conference on Elliptic and Parabolic Problems, Gaeta, May 26th-30th, 2014. Title of the invited talk in the minisymposium “Qualitative properties of nonlinear elliptic and parabolic equations”, organized by Danielle Hilhorst and Hiroshi Matano: “Effects of herd behavior on population interactions”.
141. 4th Scientific Colloquium in honor of Prof. Alois Klíč and Prof. Milan Kubíček, Prague, June 24th - 26th, 2014. Title of the invited talk: “Rigorous assessment of the replacement rate in Lentivirus-affected goat breedings”.
142. ICCSA 2014, Guimaraes, Portugal, June 30th - July 3rd title of the talk: “Migration paths saturations in meta-epidemic systems”.
143. CMMSE 2014, Rota, Cádiz, Spain, July 3rd - 7th, title of the plenary invited talk: “Comparing total and partial connections in a patched population model”; title of the talk in the session of biomathematics: “Competition among invasive and native species: the case of European and mountain hares”. Chaired several sessions. Coorganizer of the special session in “Biomathematics”.
144. MPDE14, Torino, August 25th-29th 2014, main organizer. Title of the talk: “Harvesting strategies for ‘bianchetti’ and ‘blue fish’ in the Ligurian sea (North Mediterranean)”.
145. ICNAAM 2014, Rhodes, Greece, September 22nd-28th, title of the talk: “Landscape disruption effects in a meta-epidemic model with steady state demographics and migrations saturation”.
146. BIOMAT14, Bedlewo (Poznan), Poland, November 2nd-8th 2014; title of the talk “Wild herbivores in forests: a case study”.
147. ICDSMB 2014, Jadavpur Univ., Kolkata, India, November 17th-19th 2014; title of the plenary invited talk: “Attempts for simple mathematical modeling of ecomosaic composition and interactions”; member of the inauguration committee.

148. IBM 2014, ISICAL, Kolkata, India, November 21st-23rd 2014; title of the opening plenary invited talk: “Borderline effects in biological invasion mechanisms”; member of the valedictorian panel.
149. Sixth Dynamical Systems Applied to Biology and Natural Sciences 2015, Lisboa, Portugal, February 4th-6th, 2015, member of the organizing committee; chaired one session; “An application of boundary interactions in biological invasions: European hare, *Lepus europaeus* (Pallas, 1778) and mountain hare *Lepus timidus* (Linnaeus, 1758).”
150. COST Action FA1405: “Using three-way interactions between plants, microbes and arthropods to enhance crop protection and production” organizational meeting, Brussels, March 9th-11th, 2015.
151. ICMCB, Kanpur, India, 28/2-4/3/2015; member of the scientific committee; given a one hour plenary invited lecture: “Preservation of natural resources: modeling the interactions of herbivores and vegetation”; chaired one session.
152. Advances in Numerical Analysis and Applications, Torino, March 30th-31st, 2015, title of the presentation: “Ecoepidemic models with disease incubation”.
153. NETNA2015 Falerna (CZ), Italy, June 18th-21st, 2015. Member of the Scientific Committee. Title of the invited talk: “Reliable separatrix calculation in population competing models”
154. CMMSE 2015, Rota, Cádiz, Spain, July 6th - 10th, 2015; title of the talk: “An SIRS predator-prey ecoepidemic model with diseased predators”. Coorganizer and co-chairman of the special session in “Biomathematics”.
155. “2ndes Journées de Modélisation BioMathématique de Besançon”, {MB}², July 7th - 10th, 2015, Métabief, France; title of the plenary invited talk: “Modélisation des dégâts aux forêts causés par les herbivores sauvages”
156. MPDE15, August 24th-29th, 2015, Universidade Fluminense, Niterói, RJ, Brazil; chaired a session; title of the one hour plenary invited talk: “Coupling of prey herd behavior and predators feeding satiation leads to complex dynamics of the ecoepidemic system”.
157. Mathematical and Computational Epidemiology of Infectious diseases, August 31st-September 4th, 2015, Erice, Italy; title of the plenary invited talk: “A time scales approach to coinfection by opportunistic diseases”.

158. COST Action FA1405: CAMo: from Molecules to Models, Torino, September 14th-15th, 2015, (main organizer); title of the talk: “Pathogens influence on interacting populations”
159. ICNAAM 2015, Rhodes, Greece, September 23rd-29th, 2015; coorganizer and cochairman of the special session: ”Mathematical Models and Numerical Methods in Life Sciences”; title of the talk: “An SIRS predator-prey model with disease in the prey” and of the substitute talk for an absence: “Mathematical methods for biological control in agriculture”.
160. BIOMAT 2015, IIT Roorkee, India, November 2nd - 7th, 2015, title of the invited one-hour keynote talk: “Models for two strains of the Caprine Encephalitis Virus”; chaired a session.
161. India Biodiversity Meet 2015 - IBM 2015, ISICAL, Kolkata, India, November 16th-18th, 2015; title of the plenary invited talk: “Epidemiology of viruses in adult *Apis Mellifera* infested by *Varroa destructor* mite”; chaired a session.
162. National Conference on Mathematical and Theoretical Biology, NCMTB 2015, Jadavpur University, Kolkata, India, November 19th-20th, 2015; title of the 45 min. keynote invited address: “A two-strain ecoepidemic competition model”.
163. International Conference on Nonlinear Dynamics, Analysis and Optimization, Jadavpur Univ, Kolkata, India, December 9th-11th, 2015; given a plenary talk entitled: “Nonlinear models in biology and ecology”.
164. Member of the Scientific/Advisory Committee of the International conference on “Modern Mathematical Methods and High Performance Computing in Science & Technology (M3HPCST)”, Raj Kumar Goel Institute of Technology Ghaziabad, UP India (near New Delhi), December 27th-9th, 2015.
165. Dynamical Systems Applied to Biology and Natural Sciences 2016, Evora, Portugal, February 2nd-5th, 2016; title of the plenary talk: “Mathematical modeling: a powerful tool as breeders help”; member of the organizing committee.
166. Annual Meeting of COST Action FA1405 “Using three-way interactions between plants, microbes and arthropods to enhance crop protection and production”, Malaga, Spain, February 10th-12th, 2016.

167. NUMTA 2016, Pizzo Calabro, Italy, June 19th-25th, 2016; title of the plenary invited talk: “On some computational issues in biology, ecology and population theory”.
168. CMMSE 2016, Rota, Spain, July 4th-8th, 2016; member of the scientific committee; coorganizer of the special session in Bio-mathematics; title of the talk: “An ecoepidemic predator-prey model with prey vaccination”; chaired two sessions, member of the scientific committee.
169. MPDE16, September 4th-9th, 2016, Université Aix-Marseille, Luminy, France; title of the talk: “A model for the study of TB in India”.
170. ICNAAM 2016, Rhodes, Greece, September 23rd-29th, 2015; chaired a session; title of the talk: “An ecoepidemic model with control on the diseased predators”.
171. Terra Madre, Torino, September 22-26th, 2016; Ezio Venturino, Sara Bernardi poster title: “Un modello epidemiologico delle infestazioni di *Varroa* negli alveari” (An epidemiological model of *Varroa* infestations in beehives).
172. Il Nettare della Matematica, Torino, October 7th, 2016; title of the invited talk: “Epidemiological models of viral infections in *Varroa destructor* mite-infested *Apis mellifera* beehives”.
173. BIOMAT 2016, Tianjin, China, October 30th - November 5th, 2016; title of the invited one hour keynote talk: “An epidemiological model of viral infections in a *Varroa*-infested bee colony: the case of a bee-dependent mite population size”; chaired a session.
174. Franco-Italian Mathematical Ecology Days Workshop, November 16th-17th 2016, Torino. Coorganizer with Antoine Perasso and Iulia Martina Bulai.
175. Eighth Workshop Dynamical Systems Applied to Biology and Natural Sciences, DSABNS, Jan. 31st - Feb. 3rd, 2017 Colégio do Espírito Santo, Universidade de Évora, Portugal. Title of the plenary invited talk: “Control models for the Mosaic Virus disease in *Jatropha Curcas* plants”.
176. The Cape Verde International Days on Mathematics 2017, CVIM’2017, University of Cape Verde, Campus de Palmarejo, May 8th-11th, 2017; title of the talk: “A model for the biological control of an olive tree (*Olea europaea* L.) pest.”.

177. 2nd Franco-Italian Mathematical Ecology Days Workshop, May 15th-16th 2017, Torino. Coorganizer with Antoine Perasso.
178. Scientific Advancement in Control Measures for Vector-borne Diseases, SACMOVD Workshop in Lisbon, Portugal, May 25th-26th, 2017; title of the talk: “Modeling Dengue transmission with a Simple Human Mobility Among City and Villages”
179. CMMSE 2017, Rota, Spain, July 4th-8th, 2017; member of the scientific committee; opening plenary invited talk: “A Mathematical Model for the Propagation of Bovine Tuberculosis in Wild Animals”; title another talk: “A mathematical model for a diseased orange tree”; chaired one session, member of the scientific committee. Coorganizer of the special session in Bio-mathematics.
180. MPDE17, Capetown, South Africa, September 4th-8th, 2017; title of the talk: “Effects of herd shape in ecological predator-prey interactions”.
181. BIOMAT 2017, Moskow, Russia, October 30th - November 4th, 2017; title of the invited one-hour keynote talk: “Modeling the endophytic fungus *Epicoccum nigrum* action to fight the “olive knot” disease caused by *Pseudomonas savastanoi* pv. *savastanoi* (*Psv*) bacteria in *Olea europaea* L. trees”; chaired a session.
182. “Metodi e modelli matematici per la Biologia, la Medicina e l’Ambiente”, University of Naples, December 4th, 2017, title of the invited presentation: “Models for fostering biological harvests production”
183. COST FA 1405, Corinthia Beach Resort, St. Julians, Malta, January 24th-26th, 2018; title of the talk: “A three way trees-fungi-bacteria interactions (*Olea europaea*, *Epicoccum nigrum* and *Pseudomonas savastanoi* pv. *savastanoi* (*Psv*)) mathematical model for the “olive knot” disease eradication”.
184. Our species and its responsibilities - an ontology for the environmental crisis, Turin, February 1st-2nd, 2018; title of the talk: “Does mathematical modeling have something to say in the environmental crisis and its philosophical implications?”
185. Ninth Workshop Dynamical Systems Applied to Biology and Natural Sciences, DSABNS, Feb. 7th - 9th, 2018 Università di Torino, Italy, main organizer. First ESMTB-sponsored conferences in the framework

- of the year of Mathematical Biology. Title of the plenary invited talk: “Is disease eradication possible in India?”.
186. Convegno Nazionale GNCS, (National Meeting GNCS) Montecatini Terme, February 14th-16th, 2018.
 187. Workshop on Pollinators and Pollination Modeling February 26 - 28, 2018, The Fields Institute, Toronto, Canada. Title of the invited talk “Epidemiological models of viral infections in *Varroa destructor* mite-infested *Apis Mellifera* beehives”.
 188. COST FA1405 working meeting on modeling, Oslo, March 22, 2018: title of the talk: “Modeling trees-fungi-bacteria interactions for disease eradication: the case of (*Olea europaea*, *Epicoccum nigrum* and *Pseudomonas savastanoi* pv. *savastanoi* (*Psv*)) in Portugal.”
 189. Training school on “Optimal Control Theory and Mosquito Control Strategies: Mathematical Modelling in Epidemiology and Control”, University of Aveiro, April 19-21, 2018; taught an invited course on “A survey of optimal control problems in ecology”; titles of the lectures “Optimal Spraying in Biological Control of Pests and a survey of other possible optimal control problems in ecology”, “Models for wastewaters bioremediation”.
 190. Populations in epidemics and ecology: Modeling and numerical simulations, Bilbao May 16th-18th, 2018, title of the invited talk: “The role of vertical heterogeneity for planktonic ecosystems experiencing eutrophication”
 191. MB², 3rd edition of Mathematical Biology Modelling days of Besançon, title of the invited talk: “A laboratory-data-supported mathematical model for water purification”; chaired the epidemiology session.
 192. SIMAI 2018, Roma, July 2nd-6th, title of the talk: “Assessing the sensitivity of population ecosystems’ basins of attraction with respect to model parameters”
 193. CMMSE 2018, Rota, Spain, July 9th-13th; member of the scientific committee; organized and chaired the “Bio-Mathematics” session; title of the talk: “Introducing seasonality in an SIR-UV epidemic model: an application to dengue”
 194. EPB’2018: 2nd Portuguese Meeting in Biomathematics, Aveiro, Portugal, July 19th-20th, 2018, title of the opening plenary invited talk: “A

- model for light-attenuation-induced planktonic heterogeneity”; chaired two sessions.
195. COST ACTION CA16227 Workgroup Meeting: Aveiro, Portugal, July 19th, 2018; title of the invited talk: “A minimal dengue model with time-dependent mosquito reproduction rate”
 196. ECMTB 2018: Lisboa, Portugal, July 23rd-27th, 2018; title of the talk: “How does herd (and pack) gathering influence interacting population dynamics?”; chaired a session.
 197. Erice MathCompEpi, Erice, Italy August 28th - September 5th, 2018; title of the one hour invited talk: “Two case studies of population interactions: species hybridization and disease-fostered invasion”; title of the second talk: “Exploiting endophytic fungal communities to fight bacterial-induced plant diseases”.
 198. Meeting INFN BIOPHYS and PLEXNEX 2018, Arcidosso, Italy, September 10th-12th, 2018; title of the opening 45 minutes invited talk: “A model of plankton-oxygen dynamics under climatic changes: complex dynamics, regime shifts and long-term transients”.
 199. International Workshop on Numerical Mathematics and its Applications (NuMA), Torino, September 19th-21th, 2018; member of the Scientific Committee; chaired the plenary first session; gave a substitute talk entitled: “Fast Detection and Representation of Separatrices of Attraction Basins in Dynamical Systems”.
 200. International Forum on Industrial Biotechnology and Bioeconomy, Torino, September 27th-28th, 2018.
 201. COST ACTION CA16227 Managing Committee, Workshop and Scientific Meeting: Ohrid, Macedonia, October 1st-3rd, 2018; title of the invited talk: “The role of commuters in vector-borne disease transmission”.
 202. Problems in Discrete Dynamics: from Biochemical Systems to Rare Events, Networks, Clustering and Related Topics, IV Edition, Arcidosso, Italy, October 4th-6th, 2018; title of the opening 45 minutes invited talk: “Wastewater bioremediation using white rot fungi: a mathematical model”.
 203. BIOMAT 2018, Mohammedia, Morocco, October 29th - November 2nd 2018, title of the one-hour invited keynote talk: “Modelling the role of

- vector transmission of aphid bacterial endosymbionts and the protection against parasitoid wasps”; chaired a session.
204. Mathematical Models and Optimal Control for Population Dynamics, invited 45 minutes talk: “Modeling alien species invasions without explicitly accounting for space” November 20th, 2018; Faculty of Mathematics “Alexandru Ioan Cuza”, University of Iași, Romania.
 205. Workshop: Tools for modeling plant-microbe-insect interactions — Meeting of the COST Action FA1405, Torino, December 6th-7th, 2018; main organizer.
 206. Final COST FA1405 meeting “Phytobiomes and plant health: from basics to application”, Thessaloniki, Greece, January 23-25, 2019; title of the invited talk: “Testing hypotheses on vector transmission of aphid bacterial endosymbionts protecting against parasitoid wasps via mathematical models”.
 207. 10th Conference on Dynamical Systems Applied to Biology and Natural Sciences (DSABNS), Naples, Italy February 3rd-6th, 2019; title of the plenary 1 hour invited talk “The role of predation in epidemics propagation: the case of ladybirds and aphids”.
 208. International Conference on Political Decision Making and Mosquito Transmitted Diseases — Interdisciplinary Research, Complexity and Bio-mathematics, Valença, Portugal, April 4th-5th, 2019; title of the talk: “On regional control of vector-borne diseases: numerical issues”.
 209. CMMSE 19, Costa Ballena, Rota, Cadiz, Spain, July 1st - 4th, 2019; given starting plenary talk upon invitation: “Mathematics: a useful tool in farming and ecosystems management” Chaired the session in “Biomathematics”; additional talks: “A preliminary model for the Colorado potato beetle-Mychorriza interactions”; “Including the role of solitary herbivores’ predators in natural park management”.
 210. SMB Annual Meeting, Montréal, Canada, July 21st - 26th, 2019; invited talk to the Minisymposium “Mathematical modelling of bees”, entitled “Field-data-based viral epidemic models for varroa-affected bee colonies”
 211. Integral Equations: Recent Advances and Applications, Politecnico di Torino, Italy, September 23rd-24th, 2019.

- 212. BIOMAT 2019, Szeged, Hungary, October 21st-25th, 2019: title of the one-hour keynote invited talk: “A more realistic formulation of herd behavior for interacting populations”; chaired two sessions.
- 213. 11th Conference on Dynamical Systems Applied to Biology and Natural Sciences (DSABNS), Trento, Italy February 4th-7th, 2020; member of the international organizing committee; title of the invited talk “Dynamics of HSV-2 infection with a therapeutic vaccine”; given a substitute talk entitled “The influence of shape on interacting populations”.
- 214. Convegno Nazionale GNCS, (National Meeting GNCS) Montecatini Terme, February 11th-13th, 2020.
- 215. Modellistica e COVID-19 : giornata di studio organizzata dal Dipartimento di Matematica - Università di Trento e dall’Istituto per le Applicazioni del Calcolo del CNR, col patrocinio di UMI e SIMAI, title of the talk “Analysis of a Model for Coronavirus Spread”, June 22nd, 2020.

2.11 Membership in Professional Societies

- 1. SIAM,
- 2. SIMAI (Italian Society for Industrial and Applied Mathematics),
- 3. ESTMB (European Society of Theoretical and Mathematical Biology),
- 4. SMB (Society of Mathematical Biology)

2.12 Reprint requests

I have been asked reprints of my papers from: Nidab el Naeb (Universität Halle-Wittenberg, Germany), Sharma (Univ. of British Columbia, Edmonton, Canada), D. Elliott (Univ. of Tasmania, Hobart, Australia), P. Martin (Manchester, UK), J.P. Berrut (Univ. Losanna, Switzerland), Mohan Kumar (Reactor Research Center, Kalpakkam, India), Balasubramanian (University College of Wales, Penglais Aberystwyth, UK), L.M. Rodriguez (Centro Nacional de Investigaciones Cientificas, La Habana, Cuba), W. Maass (Universität Marburg, Germany), T.R. Sivakumar (Indian Institute of Technology, Madras, India), J. Kral (Matematicky Ustav Csav, Praga, Czechoslovakia), E.M. Lagare (Ibaraki University, Japan), M.P. Ramachandran (Indian Institute of Technology, Bombay, India), H. Brunner (Memorial Univ. of Newfoundland, Canada), K.E. Atkinson (Univ. of Iowa, USA), J. van

Turnhout (Plastics and Rubber Research Institute TNO, Delft, Holland), J. Belward (Univ. of Queensland, Brisbane, Australia), S. Sajban (Slovak Academy of Sciences, Bratislava, Czechoslovakia), M.Z. Nashed (Univ. of Delaware, USA), M. Calvo (Universidad de Zaragoza, Spain), C. Castillo-Chavez (Cornell Univ., USA), A. Bogomolny (Univ. of Iowa, USA), C. Vargas (Centro de Investigacion del IPN, Mexico City, Mexico), M.A. Golberg (Univ. Nevada, Las Vegas, USA), I. Podlubny (Technical University Kosice, Slovak Republic), B. Bertram (Michigan Technological University, Houghton, USA), J.R. Mingrone (Univ. of California Irvine, USA), N. Mohankumar (Indira Gandhi Centre for Atomic Research, India), W. Sproessig (Bergakademie Freiberg, Germany), A. Zitan (Universidad de Granada, Spain), R. Karim (Univ. Salahaddin, Arbil, Iraq), J. Gilewicz (CNRS Luminy, Marseille, France), A. Ronveaux (Univ. Namur, Belgium), J. Coleman (Durham Univ., UK), D.L. Grant (University College of Cape Breton, Nova Scotia, Canada), C.T.H. Baker (Univ. Manchester, UK), S. Yang (CECM, Vancouver, Canada), S. Migorski (Jagellonian Univ. Cracovia, Poland), V. Didenko (Odessa State Univ. Ukraine), A. Rathsfeld (Berlin, Germany), F.A. Potra (Univ. of Iowa, USA), I.H. Sloan (Univ. New South Wales, Sydney, Australia), J. Gao (Hong Kong Polytechnic Institute, China), S.A. Ashour (Cairo Univ., Egypt), B. Iricanin (Univ. Belgrado, Serbia), J. Swart (Univ. Natal, South Africa), H. Klein-Gebbinck, (Grand Prairie, Alberta, Canada), R. Ramos Jiliberto (Univ. Catolica de Chile, Santiago, Chile), ODINAFRICA (Mombasa, Kenya), T. Platt (Bedford Institute of Oceanography, Dartmouth, Nova Scotia, Canada), B. Pinel-Alloul (Univ. Montréal, Canada), G. Hartvigsen (SUNY College at Geneseo, NY, USA), J.A.N. Filipe (Univ. of Cambridge, UK), P. Bhattacharyya (Saha Institute of Nuclear Physics, India), N. Scarlato (Instituto Nacional de Investigación y Desarrollo Pesquero, Mar del Plata, Argentina), R. Veas (Univ. de Concepcion, Chile) A. Alegre Norza (IMARPE, Peru), S. Dupont (Univ. Catholique de Louvain, Belgium), Y. Xiao (IACR-Rothamsted, Harpenden, UK), P. Roggero (IVV-CNR, Torino), C. A. Rodrigues (Univ. do Vale do Itajai, Brasile), A. Mukhopadhyay (Chandannagar, India), Li Xiao (South China Agricultural University), V. Le Fouest (ISMER, Laboratoire de Modelisation Numerique, Rimouski, Canada), M. Shiddamallayya (Gulbarga University, Karnataka, India), P. W. Sy (Univ. of the Philippines, Quezon City, Philippines), M. Setyo Winarko (Sepuluh Institute of Technology, Java, Indonesia), H. Ricardo (CUNY), J. Morales (CIFPA "Agua del Pino" IFAPA, Spain), P. K. Jha (IIT Poway, Mumbai, India), P.T. Gama (Nelson Mandela Metropolitan University, Port Elizabeth, South Africa), R. Alavizadeh (Yazd, Iran), Abdur-Rahman (Imperial College London), A. Maiti (Presidency College, Kolkata, India), A. Vilcarromero (Campinas, Brasil), D. Mistro (UFMS,

Brasil), L. Rodrigues (UFMS, Brasil), C. Vargas de Leon (Chilpo, Mexico), Zhijin Liu (Hubei, China), J. Helsing (Lund, Sweden), A. Navarro (Sevilla, Spain), R. Bravo (Alcala, Spain), K. Kujawa (Koscian, Poland), Yashkamal (Baroda, India), J. Damirchi (Iran), J. Zhang (China), K.B. Agnihotri (Roorkee, India), A. Ssematimba (Utrecht, Holland), J. Saldaña (Girona, Spain), D. Mukherjee (Kolkata, India), M. Sarasua (Lleida, Spain), M. Bonkowski (Koeln, Germany), D. Silva Dávila (Lima, Peru), R. Khosh-siar (Gent, Belgium), Marcos Marvá (Alcalà de Henares, Spain), C. Boëte (Marseille, France), D. Mukherjee (Kolkata, India), D. Janovska (Praha, Rep. Ceca), Sufyan Abaas (USM, Malasya), A. Hoyle (Strathclyde Univ., Glasgow, UK), S. Tuna (Tech. Univ. Istanbul, Turkey), A. Tahossein (Heidelberg, Germany), J. Correira (Evora, Portugal), A. Naimzada (Milano Bicocca), S. Rahman (SSHS, West Bengal, India), R.K. Naji (Bagdad, Iraq), F. Rocha (Lisbon), P. Rodrigues (lisbon), P. Roy (Jadavpur Univ. Kolkata), E. Delgado-Eckert (Basel), S. Jana (Shibpur, India), T. Asferg (Aarhus, Denmark), A. Maitri (Presidency Univ, Kolkata), E. Ahmed (Mansoura, Egypt), J. P. Tripathi (IIT Mandi, India), M. Valeix (Oxford, UK), M. Radin (Rochester, NY, USA), A. Rane (IIT Mumbai, India), P. Lurz (Newcastle, UK), E. González-Olivares (Valparaiso, Chile), S. Shi (Tokyo, Japan), R. Nisbet (Santa Barbara, Cal, USA), Ekaterina Kutafina (Universiteit Hasselt, Belgio), N. Zavalishin (Moscow, Russia), M. Souza (Niterói, RJ, Brazil), F. Hilker (Osnabrueck, Germany), M. Marvà (Alcalà, Spain), M. Materassi (CNR Sesto Fiorentino, Italy), S. Miri (Tlemcen, Algeria), Nicolás O. Mega (Universidade Federal do Rio Grande do Sul, Porto Alegre, RS, Brasil), E.Ahmed (Mansoura Univ., Egypt), A. Misra (Benares Hindy Univ, India), A. Perasso (Bordeaux, France), N. Holst (Aarhus, Denmark), C. Banerjee (B.E.S.U, SHIBPUR Kolkata, India), P. Mandal (IIT Kanpur, India), M. Banerjee (IIT Kanpur, India), A.A. Mbengue (Bordeaux, France), Susmita Paul (NIT Agartala, India), V. Ratti (Guelph, Canada), D. Wallace (Dartmouth, US), N. Bairagi (Jadavpur Univ. Kolkata, India), P. Singhal (R.K. Goel IT, Ghaziabad, India), V.K. Singh (R.K. Goel IT, Ghaziabad, India), S.A.A. Ahmed (Mansoura Univ, Egypt), A. Yazdani (K.N.Toosi University of Technology, Iran), Jyoti Gupta, (SOMAS, Jiwaji university Gwalior M.P. India), R. Congar (Univ. de Rouen and CARE), Francesc Peters, (Institut de Ciències del Mar - CSIC Barcelona, Catalunya, Spain) Cécile Carrère (Univ Pierre et Marie Curie, France)

2.13 Other professional activities

- Regular referee activity for many international Journals.

- Member of several National Committees for Mathematics
- Member of some University Committees
- Member of several Departmental Committees
- Member of several local and international PhD defense Committees
- Referee several international PhD Theses
- Advisor of many theses at the Master level