

Curriculum Vitae (updated 22/02/2023)

Personal Information

Surname/First name Bulai Iulia Martina
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Nationality Italian/Roumanian
Date of Birth 27/06/1988
Webpage <https://iuliamartinabulai.github.io>

Education

FEB 2017 **Ph.D. in Mathematics**, *University of Torino*.
Supervisor Prof. Ezio Venturino
2013 **Master of Science in Mathematics**, *University of Torino*.
Supervisor Prof. Elena Cordero
2011 **Bachelor's degree in Mathematics**, *University of Torino*.

Current position and previous positions

JAN 2022–present **Research Assistant Professor in Analysis, (Ricercatrice a tempo determinato di tipo B - SSD: MAT/05)**, *Department of Chemical, Physical, Mathematical and Natural Sciences, University of Sassari*.
AUG 2019–DEC 2021 **Research Assistant Professor in Numerical Analysis, (Ricercatrice a tempo determinato di tipo A - SSD: MAT/08)**, *Department of Mathematics, Informatics and Economics, University of Basilicata*.
MAR 2017–MAR 2019 **Post-Doc Research Fellow**, *Department of Information Engineering, University of Padova*,
Department of excellence (2018 - 2022).
Supervisor Prof. Morten Gram Pedersen
MAR 2019–JUL 2019 **Post-Doc Research Fellow**, *Department of Information Engineering, University of Padova*,
Department of excellence (2018 - 2022).
Supervisor Prof. Morten Gram Pedersen

Qualifications

JAN 2023–JAN 2033 Abilitazione Scientifica Nazionale per Professore di II fascia in MAT/08, (National Scientific Qualification for Associate Professor in Numerical Analysis)

Supervision

Undergraduate students:

2022 Martina Salvia, An epidemiological mathematical model assuming non well-mixed population, an application to Covid-19
2022 Stefania Allegretti, Modeling oncolytic virotherapy

Scholarships:

- 2022 Scientific advisor of a 5 months scholarship: "Studio di modelli epidemiologici caratterizzati da classi non omogenee con applicazione a Covid-19".

Commission of trust

- Scientific Journal Referee: Nonlinear Dynamics; Advances in Difference Equations; BioSystems; Mathematics and Computers in Simulation; Biometrical Journal; Applied Mathematics and Computation; Fractal and Fractional; IFAC-PapersOnLine; Mathematics; International Journal of Environmental Research and Public Health; Chaos, Solitons and Fractals; Applied Numerical Mathematics; Letters in Biomathematics; International Journal of Modeling, Simulation, and Scientific Computing; Letters in Biomathematics; Annali dell'Università di Ferrara; Symmetry; Mathematical Modelling and Numerical Simulation with Applications; Journal of Biological Systems; Plos One; Mathematics and Computers in Simulation; Dolomites Research Notes on Approximation
- Review Editor: Frontiers in Complex Systems, Multi and cross disciplinary complexity, 2022-present
- Editorial board: Mathematical Modelling and Numerical Simulation with Applications (MMNSA)
- Scientific evaluator: Admitted to the Register of Expert Peer Reviewers for Italian Scientific Evaluation (RePRISE)-1 project evaluated
- Council member: Council member of Complex System Society, 2020-2023
- Steering Committee: Member of the Steering Committee for Conference on Complex Systems, CCS, 2020-2023
- Program Committee: International Conference on Complex Networks and their Applications 2021 and 2022
- Program Committee: Conference on Complex Systems 2022 (CCS2022)

Teaching

- 2022/2023 Professor (titolare del corso) for bachelor in CTF (Chimica e Tecnologia Farmaceutica): Mathematics, 7CFU, 56h. University of Sassari.
- 2021/2022 Professor (titolare del corso) for bachelor in pharmacy: Mathematics (Matematica con elementi di informatica e statistica), 7CFU, 56h. University of Sassari.
- 2019/2020, 2020/2021 Professor (titolare del corso) for bachelor in mathematics: Complements of Scientific Computing (Complementi di calcolo scientifico), 6CFU, 56h. University of Basilicata.
- 2016/2017 Teaching assistant (professore a contratto) for bachelor in engineering: Analysis 1, 6CFU of 12 CFU, 50h. Politecnico di Torino.
- 2015/2016 Teaching assistant for bachelor in agrarian: Mathematics. University of Torino.
- 2009–2011 Private lessons at high school and secondary school students at Ludus in fabula, Almese.

Memberships of scientific societies and groups

- 2022–present Member of Approssimazione Numerica ed Analitica di dati e di Funzioni con Applicazioni SIMAI Subgroup, ANA&A

2021–present Member of Modellistica Socio-Epidemiologica UMI Subgroup, MSE
 2020–present Member of Mathematical Epidemiology SMB Subgroup
 2020–present Member of Mathematical Neuroscience SMB Subgroup
 2020–present Member of Mathematical Oncology SMB Subgroup
 2020–present Member of Teoria dell' Approssimazione e Applicazioni UMI Subgroup, T.A.A.
 2020–present Member of Unione Matematica Italiana, UMI
 2020–present Member of Società Italiana di Matematica Applicata e Industriale, SIMAI
 2019–present Member of Research Italian network on Approximation, RITA
 2019–present Member of European Women in Mathematics, EWM
 2019–present Member of Complex Systems Society, CCS
 2019 Member of Biophysical Society, BPS
 2016–present Member of Society for Mathematical Biology, SMB
 2016–present Member of Gruppo Nazionale per il Calcolo Scientifico, GNCS-IN δ AM
 2013–2015 Member of Gruppo Nazionale per l'Analisi Matematica, la Probabilità e le loro Applicazioni, GNAMPA-IN δ AM

Mobility

SEP 2021 University of Cagliari, Cagliari
 OCT 2020– Medical Image Processing Lab, The lab is jointly between École polytechnique fédérale de
 MAR 2021 Lausanne (EPFL) and the University of Geneva, Svizzera. OCT in presence and NOV-MAR
 in smart working.
 JAN 2017 Institute of Environmental Systems Research, Osnabrück
 AUG-SEP Institute of Environmental Systems Research, Osnabrück
 2016
 SEP-MAR Istituto Superiore Mario Boella (LACE), Torino
 2015
 FEB-MAR Numerical Harmonic Analysis Group (NuHAG), Vienna
 2014

Research areas of interest

- Graph signal processing applied to neuroimaging; Time-frequency analysis and applications
- Mathematical modeling with applications to real life problems, such as: cancer, Covid-19, electrical activity and Ca⁺ dynamics in endocrine cells, epidemiology, ecology, eco-epidemiologi, wastewater bioremediation
- Slow/fast bifurcation analysis; excitation waves

Major collaborations

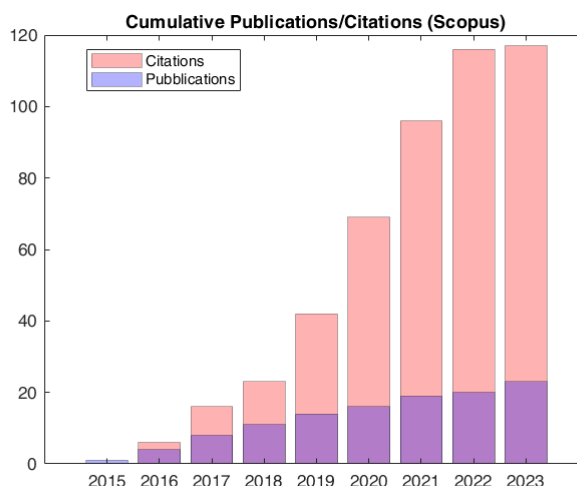
M. G. Pedersen, (Mathematical modelling of cellular processes, University of Padova, IT), E. Venturino, (Mathematical modelling, University of Torino, IT), S. Saliani (Harmonic analysis, University of Basilicata, IT) C. Berardo (Mathematical modelling, University of Helsinki, IT), E. Amico (Network neuroscience, EPFL, CH), P. Baptista and T. Gomes (Biology, Polytechnic Institute of Braganca, PT), H. Laurie (Mathematical ecology, University of Cape Town, South Africa), P. K. Tiwari (Mathematical modelling, Kolkata University, India), A. K. Misra (Mathematical modelling, Banaras Hindu University, India), R. Bertram (Biomathematics and Neuroscience, Florida State University, Florida), T. Vo (Dynamical systems, Monash University, Victoria), F. Montefusco (Control Systems Engineering, Parthenope University of Naples, IT), F. Spina and G. C.

Varese (environmental biotechnology, University of Torino, IT), F. Hilker (Modelling environmental and ecological systems, Osnabrück University, DE), M.C. De Bonis, C. Laurita, V. Sagaria (Numerical analysis, University of Basilicata, IT), A.S. Teixeira (Complex systems, University of Lisbon, PT).

Publications

Indicators related to scientific production: (updated on 22/02/2023)

- Total number of citations 131 (Scopus), 246 (Google scholar)
- H index 5 (Scopus), 8 (Google scholar)
- Publications 23 (Scopus), 31 (Google scholar)



Peer-reviewed journals

- JP23** I. M. Bulai, F. Montefusco, M.G. Pedersen, Stability analysis of a model of epidemic dynamics with nonlinear feedback producing recurrent infection waves. *Applied Mathematics Letters*, 2022.
- JP22** I.M. Bulai, M.C De Bonis, C. Laurita, V. Sagaria, MatLab Toolbox for the numerical solution of linear Volterra integral equations arising in metastatic tumor growth models. *Dolomites Research Notes on Approximation*, 2022.
- JP21** F. Montefusco, A. Procopio, I.M. Bulai, F. Amato, M.G. Pedersen and C. Cosentino, Interacting with COVID-19: How population behavior, feedback and memory shaped recurrent waves of the epidemic. *IEEE Control Systems Letters*, 2022.
- JP20** I.M. Bulai, M.C De Bonis, C. Laurita, V. Sagaria, Modeling metastatic tumor evolution, numerical resolution and growth prediction. *Mathematics and Computers in Simulation*, 2023.
- JP19** I.M. Bulai, E. Amico, How political choices shaped Covid connectivity: the Italian case study. *Plos One*, 2021.
- JP18** S. Allegretti, I. M. Bulai, R. Marino, M. A. Menandro and K. Parisi. Vaccination effect conjoint to fraction of avoided contacts on a Sars-Cov-2 mathematical model. *Mathematical Modelling and Numerical Simulation with Applications*, 2021.
- JP17** C. Berardo, I. M. Bulai, E. Venturino, Interactions Obtained from Basic Mechanistic Principles: Prey Herds and Predators. *Mathematics*, 2021.
- JP16** I. M. Bulai, A. C. Esteves, F. Lima, E. Venturino, A mathematical modeling approach to assess biological control of an orange tree disease. *Applied Mathematics Letters*, 2021.
- JP15** I. M. Bulai, S. Depickère, V. Hirata, E. Vargas Bernal, Influence of asymptomatic people on malaria transmission: a mathematical model for a low-transmission area case. *Journal of Biological Systems*, 2020.
- JP14** I. M. Bulai, F. Hilker, Eco-epidemiological interactions with predator interference and infection. *Theor Popul Biol*, 2019.

- JP13** N. Britton, I. M. Bulai, S. Saussure, N. Holst, E. Venturino, Can aphids be controlled by fungus? A mathematical model. *Applied Mathematics and Nonlinear Sciences*, 2019.
- JP12** I. M. Bulai, M. G. Pedersen, Stopping waves: Geometric analysis of coupled bursters in an asymmetric excitation field. *Nonlinear Dynamics*, 2019.
- JP11** P. Baptista, I. M. Bulai, T. Gomes, E. Venturino, Modeling the interactions among phytopathogens and phyllosphere microorganisms for the biological disease control of *Olea europaea* L.. *Mathematical Biosciences*, 2018.
- JP10** P. K. Tiwari, I. M. Bulai, F. Bona, E. Venturino, A. K. Misra, Human population effects on the Ulsoor lake fish survival. *Journal of Biological Systems*, 2018.
- JP9** I. M. Bulai, M. G. Pedersen, Hopf bifurcation analysis of the fast subsystem of a polynomial phantom burster model. *Dolomites Research Notes on Approximation*, 2018.
- JP8** I. M. Bulai, F. Spina, G. C. Varese, E. Venturino, Waste-water bioremediation using white rot fungi: validation of a dynamical system with real data obtained in laboratory. *Mathematical Methods in the Applied Sciences*, 2018.
- JP7** P. K. Tiwari, I. M. Bulai, A. K. Misra and E. Venturino, Modelling the direct and indirect effects of pollutants on the survival of fish in water bodies. *Journal of Biological Systems*, 2017.
- JP6** I. M. Bulai, E. Venturino. Shape effects on herd behaviour in ecological interacting population models. *Mathematics and Computers in Simulation*, 2017.
- JP5** I. M. Bulai, E. Venturino. Two mathematical models for dissolved oxygen in a lake. *Journal of Mathematical Chemistry*, 2017.
- JP4** M. Berra, I. M. Bulai, E. Cordero and F. Nicola. Gabor Frames of Gaussian Beams for the Schrödinger equation. *Applied and Computational Harmonic Analysis*, 2017.
- JP3** M. Righero, I. M. Bulai, M. A. Francavilla, F. Vipiana, Mirko Bercigli, A. Mori, M. Bandinelli, G. Vecchi. Hierarchical bases preconditioner to enhance convergence of the CFIE with multiscale meshes. *IEEE Antennas and Wireless Propagation Letters*, 2016.
- JP2** I. M. Bulai, E. Venturino. Biodegradation of organic pollutants in a water body. *Journal of Mathematical Chemistry*, 2016.
- JP1** I. M. Bulai, R. Cavoretto, B. Chialva, D. Duma, E. Venturino. Comparing disease-control policies for interacting wild populations. *Nonlinear Dynamics*, 2015.

Book Chapters

- BC3** I. M. Bulai, Modeling COVID-19 Considering Asymptomatic Cases and Avoided Contacts. *Trends in Biomathematics: Modeling, Optimization and Computational Problems*, 2021.
- BC2** H. Laurie, E. Venturino, I. M. Bulai, Herding induced by encounter rate, with predator pressure influencing prey response. *Dynamical Systems in Biology and Natural Sciences (Springer-SIMAI series)*, 2019.
- BC1** P. Baptista, C. Berardo, I. M. Bulai, T. Gomes, E. Venturino, Modeling the endophytic fungus *Epicoccum nigrum* action to fight the “olive knot” disease caused by *Pseudomonas savastanoi* pv. *savastanoi* (Psv) bacteria in *Olea europaea* trees. *Trends in Biomathematics: Modeling, Optimization and Computational Problems*, 2018

Conference proceedings

- P7** F. Montefusco, I. M. Bulai, Exploiting Ultrasensitivity for Biomolecular Implementation of a Control System without Error Detection. To appear in *8th IFAC Conference on Foundations of Systems Biology in Engineering*, 2019.
- P6** I. M. Bulai, A.C. Esteves E. Venturino. A mathematical model for a diseased orange tree. *Proceedings of the 17th International Conference on Computational and Mathematical Methods in Science and Engineering*, 2017.
- P5** I. M. Bulai, E. Venturino. Competition between algae and fungi in a lake: a mathematical model. *Proceedings of the 16th International Conference on Computational and Mathematical Methods in Science and Engineering*, 2016.
- P4** I. M. Bulai, F. Spina, G. C. Varese, E. Venturino. Wastewater bioremediation using white rot fungi:

validation of a dynamical system. *Biomath Communications*, Vol 3, No 1, 2016.

- P3** I. M. Bulai, E. Venturino. The Beddington-De Angelis and the HTII product response functions: application to polluted ecosystems biodegradation. *AIP Conference Proceedings*, AIP Conf. Proc. 1738, 390002 (2016).
- P2** I. M. Bulai, E. Venturino. A mathematical model for the biodegradation of organic pollutants in a lake. *Proceedings of the 15th International Conference on Computational and Mathematical Methods in Science and Engineering*, 2015.
- P1** I. M. Bulai, B. Chialva, D. Duma, E. Venturino. Do niches help in controlling disease spread in ecoepidemic models? *Proceedings of the 2013 International Conference on Computational and Mathematical Methods in Science and Engineering*, 2013.

Submitted/Work in progress

- S3** I. M. Bulai, A. S. Teixeira, Modeling a rehab-recovery-relapse cycle with community dependence via ODEs. Under review.
- S2** F. Montefusco, A. Procopio, I. M. Bulai, F. Amato and C Cosentino, Role of ultrasensitivity in biomolecular circuitry for achieving homeostasis. Under review.
- S1** I. M. Bulai, S. Saliani, Spectral graph wavelet packets frames. Under review.
- WP7** I.M. Bulai, M.C De Bonis, C. Laurita, Numerical solution of metastatic tumor growth models with treatment.
- WP6** I. M. Bulai, M. Salvia, Approximation of basins of stability for bi-stable dynamical system in control of olive tree disease.
- WP5** I. M. Bulai, S. Allegretti A mathematical model for oncolytic vaccinia virus dynamics.
- WP4** I. M. Bulai, J. Tabak-Sznajder, M. G. Pedersen, Bursting versus spiking: Systematic investigation of how patterns of electrical activity control local Ca^{2+} and hormone release.
- WP3** I. M. Bulai, T. Vo, R. Bertram, M. G. Pedersen, Burst of burst problem for a phantom bursting model.
- WP2** I. M. Bulai, I Ferri, P Castioni, Modeling a coupled info-epidemic system for misinformation and virus spreading during the Covid-19 pandemic
- WP1** I. M. Bulai, M. Salvia, An epidemiological mathematical model assuming non well-mixed population, an application to Covid-19

Other works

- I. M. Bulai, M. Righero, G. Vecchi, F. Vipiana, Algorithms for the generation of MR basis using interpolant gRWG and Algorithm for cell grouping strategy. *In cooperation with the research institute ISMB, LACE group.*

Invited presentations to national and international conferences

- JUN 2023 **Invited contributed talk** at Challenges and Advances in Numerical Analysis (CaNA), Cagliari-IT.
- JUL 2022 **Invited contributed talk** at Functional Analysis, Approximation Theory and Numerical Analysis, Matera-IT.
- JUN 2022 **Invited contributed talk** at Convegno e Assemblea GNCS 2022, Montecatini Terme-IT.
- JUN 2022 **Invited contributed talk** at Models in Population Dynamics, Ecology and Evolution, Torino-IT.
- SEP 2021 **Invited contributed talk** at 5th Dolomites Workshop on Constructive Approximation and Applications, 2021, Virtual.
- JUL 2021 **Invited contributed talk** at ECCOMAS Young Investigators 2021, Virtual.
- OCT 2020 **Invited contributed talk** at Virtual Advances in Differential Equations and Numerical Analysis, ADENA.

- MAY 2020 **Invited contributed talk** at Seminari Padovani di Analisi Numerica, SPAN2020, Padova–IT.
Postponed
- FEB 2020 **Invited contributed talk** at Convegno e Assemblea GNCS 2020, Montecatini Terme–IT.
- MAY 2018 **Invited contributed talk** and chair at Seminari Padovani di Analisi Numerica, SPAN2018, Padova–IT.
- FEB 2018 **Invited contributed talk** at Convegno e Assemblea GNCS 2018, Montecatini Terme–IT.
- DEC 2018 **Invited contributed talk** at International Workshop Modeling tools - Survey Meeting of the COST Action FA1405, Torino–IT.
- MAY 2017 **Invited contributed talk** at 2nd International Workshop Franco-Italian Mathematical Ecology Days, Torino – IT.

International conference contributions and schools

- FEB 2023 **Participant** at Workshop Software for Approximation, SA2023, Torino–IT.
- JAN 2023 **Participant** at Approximation: Theory, Methods and Applications, ATMA2023, Padova–IT.
- SEP 2022 **Contributed talk** at GIMC SIMAI YOUNG 2022 Workshop, Pavia–IT.
- MAR 2022 **Poster** at SIAM Conference on Analysis of Partial Differential Equations (PD22), On-line.
- FEB 2022 **Participant** at Workshop Software for Approximation, SA2022, On-line.
- JAN 2022 **Participant** at Winter Workshop on Complex System, On-line.
- NOV-DEC 2021 **Contributed talk** at the 10th International Conference on Complex Networks and their Applications. On-line.
- NOV 2021 **Contributed talk** at Approximation: Theory, Methods and applications, ATMA2021, Reggio Calabria–IT.
- SEP 2021 **Contributed talk** at International Conference on Computational Harmonic Analysis, IC-CHA2021, On-line.
- AUG 2021 **Contributed talk** at 13th International Society for Analysis its Applications and Computations (ISAAC) Congress 2021, On-line.
- FEB 2021 **Contributed talk** at SMB Mathematical Epidemiology and Math Education Joint Workshop 2021, On-line.
- FEB 2021 **Participant** at Workshop Dynamical Systems Applied to Biology and Natural Sciences, DSABNS 2021, On-line.
- FEB 2021 **Participant** at Winter Workshop on Complex System, On-line.
- DEC 2020 **Poster** at Virtual Annual Conference on Complex Systems (ECCS or CCS).
- NOV 2020 **Contributed talk** at Virtual 20th International Symposium on Mathematical and Computational Biology, BIOMAT.
- AUG 2020 **Poster** at Virtual Annual Meeting of the Society for Mathematical Biology, SMB2020.
- JAN 2020 **Participant** at Winter Workshop on Complex System, Charmey–CH.
- JUL 2019 **Contributed talk** at Annual Meeting of the Society for Mathematical Biology, Montreal–CAN.
- MAY 2019 **Poster** at Quantitative Aspects of Membrane Fusion and Fission, BPS Thematic Meeting, Padova–IT.
- FEB 2019 **Poster** at Winter Workshop on Complex Systems, Zakopane–PL.
- OCT 2018 **Poster** at Nanoscale mathematical modeling of synaptic transmission, calcium dynamics, transduction and cell sensing, Pisa–IT.

- JUL 2018 **Contributed talk** and chair at Annual Meeting of the Society for Mathematical Biology and the Japanese Society for Mathematical Biology, Sydney–AU.
- JUN 2018 **Participant** at Joint CAMBAM/NSERC-CREATE in Complex Dynamics Summer School, McGill University, Montreal–CAN.
- FEB 2018 **Contributed talk** at Ninth Workshop Dynamical Systems Applied to Biology and Natural Sciences, DSABNS 2018, Torino – IT.
- JAN-FEB 2017 **Contributed talk** at Eight Workshop Dynamical Systems Applied to Biology and Natural Sciences, DSABNS 2017, Évora – PT.
- NOV 2016 **Contributed talk** at 1st International Workshop Franco-Italian Mathematical Ecology Days, Torino – IT.
- JUL 2016 **Contributed talk** at 16th International Conference Computational and Mathematical Methods in Science and Engineering, CMMSE2016, Rota – ES.
- JUN 2016 **Contributed talk** at International Conference on Mathematical Methods and Models in Biosciences and the School for Young Scientists, BIOMATH2016, Blagoevgrad–BU.
- JAN 2016 **Participant** at School on Physics Applications in Biology, (ICTP South American Institute for Fundamental Research), San Paolo–BR.
- JAN 2016 **Participant** at V Southern-Summer School on Mathematical Biology, (ICTP South American Institute for Fundamental Research), San Paolo–BR.
- DEC 2015 Poster at **Welcome home**, Turin – IT.
- SEP 2015 **Contributed talk** at 13th International Conference Of Numerical Analysis And Applied Mathematics, ICNAAM2015, Rhodes – GR.
- SEP 2015 **Participant** at CAMo: from molecules to modelling, Turin – IT.
- JUL 2015 **Contributed talk** at 15th International Conference Computational and Mathematical Methods in Science and Engineering, CMMSE2015, Rota – ES.
- OCT 2014 **Participant** at Computational Harmonic Analysis - with Applications to Signal and Image Processing School, (CIRM), Marsiglia – FR.
- JUN 2014 **Participant** at Strobl14: Modern time-frequency analysis, Strobl – AT.

Organization of scientific meetings

- NOV 2016 **Co-organizer** of 1st International Workshop Franco-Italian Mathematical Ecology Days, Turin – IT.
- SEP 2015 **Co-organizer** of CAMo: from molecules to modeling, Turin – IT.
- 2014 **Co-organizer** Researchers' Night in Torino, an European level popularization of science event.

Research funding

- FEB 2023 INdAM–GNCS research grant, as member: INdAM–GNCS Project 2023, 2023-2024, 6600 Euro
- JAN 2023 Fondazione Sardegna research grant, as member: Progetti di ricerca di base dipartimentali, 2023–2024, 73300 Euro
- DEC 2021 INdAM research grant, as PI: Finanziamento GNCS Giovani Ricercatori 2021–2022, 1500 Euro
- OCT 2020 INdAM research grant, as PI: Finanziamento GNCS Giovani Ricercatori 2020–2021, 1500 Euro

- 2020 RIL research grant, as PI: Ricerca di Interesse Locale 2020–2021, 958,87 Euro
- 2020 INdAM–GNCS research grant, as member: INdAM–GNCS Project 2020, 2020–2021, 6400 Euro
- JUL 2019–DEC 2021 Research grant: RTdA Attraction and International Mobility: AIM1852570–Num. Attività 1–Linea 1, Potenza–IT
- MAR–JUL 2019 Research grant: Assegno di ricerca di tipo A, Padova–IT
- OCT 2018 INdAM research grant, as PI: Finanziamento GNCS Giovani Ricercatori 2018–2019, 1200 Euro
- MAR 2017–MAR 2019 Research grant: Assegno di ricerca di tipo A, Padova–IT
- OCT 2016 INdAM research grant: Finanziamento GNCS Giovani Ricercatori 2016–2017, 1200 euro
- JUL–SEP 2016 Erasmus Traineeship grant, University of Osnabrück, Germany
- 2014–2017 Three–year Ph.D scholarship sponsored by the University of Torino

Awards, prizes and grants

- JUN 2021 Team first classified (me as PI) to the PROPOSAL GAMIFICATION DAY of the workshop Think tank on Scientific Computing and funding opportunities, Camerino 18–19 June 2021.
- 2020 SNSF grant: Travel Grant 2020, 200 CHF
- 2019 SMB grant: Landahl–Busenberg Travel Grants 2019, 500 USD
- JUL 2018 SMB grant: Landahl Travel Grants 2018, 750 USD
- JUN 2018 Financial support to participate at 2018 Joint CAMBAM/NSERC–CREATE in Complex Dynamics Summer School, Montreal–CAN
- JUN 2016 Best Student Presentation Award at BIOMATH 2016 and the School for Young Scientists, Blagoevgrad–BU
- JUN 2016 SMB grant: SMB Financial Aid Grant BIOMATH 2016
- JAN 2016 Financial support to participate at V Southern–Summer School on Mathematical Biology and School on Physics Applications in Biology, San Paolo–BR
- 2008–2013 Scholarship sponsored by Edisu

Languages written and spoken

Romanian	Mother tongue	
Italian	Advanced	<i>self-assessed european level C2.</i>
English	Advanced	<i>self-assessed european level C1.</i>
French	Basic	<i>self-assessed european level A2.</i>

Other skills

- Use of mathematical software Matlab, Maple, Xppaut, Calc, Latex, Mathematica, GeoGebra, GiD.
- B Italian driving licence, climbing, amateur dancing.