

PERSONAL INFORMATION	
Name and Surname	Christina Nikolakakou (Full name: Georgia Christina Nikolakakou)
Date of Birth	1977/02/28
Title/Place	Laboratory Teaching Staff, Department of Digital Systems, University of the Peloponnese, Greece
Telephone	0030 6974115162 / 0030 27310 82240
Email address	gnikolakak@uop.gr ; christina.nikolakakakou@gmail.com
Profile	Google Scholar , Scopus , Researchgate , Linkedin
EDUCATION	
Doctoral degree (PhD)	Mathematics
	<i>Department of Mathematics/ University of Patras</i>
	<i>Doctoral thesis entitled: Techniques for improving the efficiency of unconstrained optimization algorithms http://hdl.handle.net/10442/hedi/44723</i>
	<i>2018/07/16</i>
MSc degree	Computer Mathematics and Decision Making
	<i>Interdepartmental Program of Postgraduate Studies of the Department of Mathematics and the Department of Computer Engineering and Informatics</i>
	<i>Master's Thesis entitled: Automatic Slope Computation in Global Optimization of Non-Differentiable Functions Using Interval Analysis - Development in C- XSC Programming Language</i>
	<i>2001/12/17</i>
Degree	Mathematics, Department of Mathematics, University of Patras, Greece
	<i>Undergraduate thesis entitled: Global Optimization of Nonlinear Objective Functions Using Interval Analysis</i>
	<i>1999/10/05</i>
Languages	
Greek (Native) and English (C2)	
Scholarships & Awards	
November 2004 2004 Olympic & Paralympic Games Service Award Certificate of Honour – Officially recognized for outstanding contributions to the safe and successful conduct of the Athens 2004 Olympic and Paralympic Games. 01 October 1999 – 31 December 1999 Research Fellowship in the framework of the programme "1997: Computer Mathematics and" "Postgraduate Programme in "Computer Mathematics and Decision" (funded by ΕΠΕΑΕΚ program) 01 January 2000 – 30 June 2000 και 01 September 2000 – 30 June 2001 Research Fellowship in the framework of the programme «Α.020.002: Mathematics of Computers and Decision Making» (funded by ΕΠΕΑΕΚ program)	

PUBLICATIONS	
<i>Publications in peer-reviewed scientific journals [peer -reviewed]:</i>	
2025	Nikolakakou, C.D. Redundancy and delimitation of the Pareto front. Operational Research, 25, 87 (2025). https://doi.org/10.1007/s12351-025-00966-6
2023	Tsarpopoulou, D.G., Nikolakakou, C.D. and Androulakis, G.S. (2023) A Class of Algorithms for Solving LP Problems by Prioritizing the Constraints. American Journal of Operations Research, 13, 177-205. https://doi.org/10.4236/ajor.2023.136010
2021	C.D. Nikolakakou , A.N. Papanikolaou, E.I. Nikolopoulou, T.N. Grapsa, G.S. Androulakis, Guiding iterative optimization methods to a predefined kind of optima for unconstrained optimization problems, International Journal of Mathematical Modelling and Numerical Optimization 11 (1) (2021) 71-101. doi: 10.1504/ijmmno.2021.10033322 .
2015	C. D. Nikolakakou , T. N. Grapsa, I. A. Nikas, G. S. Androulakis, A sequential approach for unconstrained optimization via a partitioning technique, International Journal of Computer Mathematics 92 (4) (2015) 722–741. doi: 10.1080/00207160.2014.907403 .
CONFERENCES	
<i>Research papers in peer-reviewed conference proceedings and in Book of Abstracts of peer-reviewed conferences</i>	
2022	Dimitris G. Tsarpopoulou, Eirini I. Nikolopoulou, Christina D. Nikolakakou and George S. Androulakis, “A combination of a Proximity technique and Weighted average for LP Problems”, In the Proceedings of the 26th Panhellenic Conference on Informatics (PCI 2022), November 25-27, Athens, Greece, 2022, Association for Computing Machinery, New York, NY, USA, pp. 181–186, ISBN: 9781450398541. https://doi.org/10.1145/3575879
2021	Dimitris G. Tsarpopoulou, Christina D. Nikolakakou and George S. Androulakis, “Solving LP problems using the ranking of the ratio of constraints’ coefficients”, In the Proceedings of the 25th Panhellenic Conference on Informatics (PCI 2021), November 26-28, Volos, Greece, 2021, Association for Computing Machinery, New York, NY, USA, pp. 130–133, ISBN: 978-1-4503-9555-7. https://doi.org/10.1145/3503823.3503848
2020	Dimitris G. Tsarpopoulou, Christina D. Nikolakakou and George S. Androulakis, “The sign of the slope of the objective function on identifying binding constraints in LP Problems”, In the Proceedings of the 24th Panhellenic Conference on Informatics (PCI 2020), pp. 260-263, November 20-22, Athens, Greece (Digital Conference), 2020, ACM New York, NY, USA © 2020, ISBN: 978-1-4503-3551-5, https://doi.org/10.1145/3437120.3437320
2018	Kourtesopoulou A., Androulakis G., Nikolakakou C. , Grapsa T. & Polimeneas G., “Αξιολόγηση ηγετικών ικανοτήτων και ομαδικού πνεύματος στον επαγγελματικό αθλητισμό μέσω της θεωρίας απόκρισης ερωτήματος”, Πρακτικά 19ου Συνεδρίου Διοίκησης Αθλητισμού & Αναψυχής, Νοέμβριος 16-18, Πάτρα, Ελλάδα, 2018
2015	Christina D. Nikolakakou , Theodoula N. Grapsa and George S. Androulakis, “An incorporation of trust region methods on LexOpt algorithm for unconstrained optimization”, In the Proceedings of the 19th Panhellenic Conference on Informatics (PCI 2015), pp. 25-30, October 1-3, Athens, Greece, 2015, ACM New York, NY, USA © 2015, ISBN: 978-1-4503-3551-5, DOI 10.1145/2801948.2802003).
2012	Christina D. Nikolakakou , Theodoula N. Grapsa and George S. Androulakis, “A relaxation lexicographic optimization method for the unconstrained optimization problem”, In: Book of Abstracts of the 5th Conference on Numerical Analysis (NumAn2012) Recent Approaches to Numerical Analysis: Theory, Methods and Applications, pp. 35, September 5 – 8, Ioannina, Greece, 2012.
2011	Christina D. Nikolakakou , Theodoula N. Grapsa and George S. Androulakis, “Integrating Taylor's expansion on the lexicographic approach for unconstrained optimization”. In the Proceedings of the 1st International Symposium & 10th Balkan Conference on Operational Research, pp. 354-361, September 22-25, Thessaloniki, Greece, 2011
2010	Christina D. Nikolakakou , Theodoula N. Grapsa and George S. Androulakis, “Integrating Taylor's expansion on the lexicographic approach for unconstrained optimization”, In: Book of Abstracts of the 24th European Conference on Operational Research, pp. 192, July 11-14, Lisbon, Portugal, 2010.

2009	Christina D. Nikolakakou , Theodoula N. Grapsa, Ioannis A. Nikas, George S. Androulakis, “A lexicographic approach on unconstrained optimization”. In: Book of Abstracts of the 23rd European Conference on Operational Research, pp. 90, July 5-8, Bonn, Germany, 2009.
Chapters in a peer-reviewed edited volume:	
2025	Christina D Nikolakakou , Theodoula N Grapsa and George S Androulakis, Studying the Performance of LexOpt Algorithm for Unconstrained Optimization, Mathematical Analysis, Optimization, Approximation and Applications, Edited by: Panos M Pardalos (University of Florida, USA) and Themistocles M Rassias (National Technical University of Athens, Greece), Series on Computers and Operations Research: Volume 12, (chapter 28) World Scientific, ISBN 978-981-12-9299-6 (https://doi.org/10.1142/13833)
2020	Kourtesopoulou, A., Nikolakakou C. , Moustakarias N., Grapsa T., “Evaluating Quality In Tourism Destination Websites of Peloponnese. In Cultural and Tourism Innovation in the Digital Era”, (chapter 24) Springer, Cham, Feb. 2020 (DOI: 10.1007/978-3-030-36342-0_24).
Chairwoman/ Co- Chairwoman at Conferences	
2020	24th Panhellenic Conference on Informatics (PCI 2020), November 20-22, Athens, Greece (Online), 2020, Session: Algorithms, Data Structures and Scientific Computation co-chairwoman
Book Translation	
2023	Translated into Greek: “Essential Mathematics for Economic Analysis” (6th ed.), Authors: Knut Sydsæter, Peter Hammond, Arne Strøm, Andrés Carvajal (Pearson, 2022), Greek Edition: Kritiki Publications (ISBN: 978-960-586-462-0), Editorial Supervision: Theologos Pantelidis, Kleanthis Sirakoulis, Konstantinos Giannoutakis, Translation Team: Elias Camouzis, Christina Nikolakakou