

CURRICULUM VITAE

LUCIAN COROIANU

Personal information

Name, Surname:	Lucian Coroianu		
Date of birth:		Sex:	Male
Nationality:			
Researcher unique identifier(s) (ORCID, Researcher ID etc.):	https://orcid.org/0000-0003-2690-2195 SCOPUS ID: 36018210600		
URL for personal website (if case):	-		

Education

Year	Faculty/department - University/institution - Country
2013 (dissertation defended)	Ph.D. Mathematics – Babeş-Bolyai University of Cluj-Napoca - Romania
2009 (dissertation defended)	Master-3 semesters Mathematics – University of Oradea - Romania
1999 (dissertation defended)	Postgraduate studies-2 semesters (so-called "Studii Aprofundate" in Romanian) Mathematics – Babeş-Bolyai University of Cluj-Napoca - Romania

Language proficiency

Romanian	Native language
Hungarian	Good verbal and written communications skills
English	Good verbal and written communications skills

Positions - current and previous

(Academic sector/research institutes/industrial sector/public sector/other)

Year	Job title – Employer – Country
1999-2003 and 2004-2009	Teacher of mathematics – "Colegiul Tehnic Mihai Viteazul" high school in Oradea – Romania
2003-2004	Teacher of mathematics – "Liceul cu program sportiv Bihorul" high school in Oradea – Romania
2009-2016	Assistant professor-University of Oradea-Romania
2016-2019	Lecturer - University of Oradea – Romania
2019-present	Associate professor - University of Oradea - Romania

Career breaks (if case)

Year	Reason
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Project management experience

(Academic sector/research institutes/industrial sector/public sector/other. Please list the most relevant.)

Year	Project title - Role – Funder – Budget – link to project webpage
2018-2020	Principal Investigator - Code: PN-III-P1-1.1-PD2016-1416 Title: "Approximation by max-product Kantorovich and by minimize operators. Variational methods in finding optimal Lipschitz constants and the Turán's inequality for quaternionic polynomials " Funder: CNCS-UEFISCDI Budget: 250 000 RON
2011-2016	Permanent team member - Code: PN-II-ID-PCE-2011-3-0861. Title: "Approximation by max-product operators and by distance methods in the theory of fuzzy numbers, applied to signal and image processing" Funder: CNCS-UEFISCDI Budget: 812 000 RON

Awards

Year	Description -
2014	"Adelina Georgescu" prize of the Romanian Society for Industrial and Applied Mathematics (ROMAI)
2013	Award from the Babeş-Bolyai University in the competition of Ph.D students sponsored by the project POSDRU/107/1.5/S/76841
2011-present	More than 25 papers awarded in the competitions: Web of Science articles (PRECISI)

Other relevant professional experiences

(e.g. institutional responsibilities, organisation of scientific meetings, membership in academic societies, review boards, advisory boards, committees and major research or innovation collaborations, other commissions of trust in public or private sector)

Year	Description - Role
2008-2016, 2023-present	Member of European Society for Fuzzy Logic and Technology (EUSFLAT)
2018-present	Area editor for the journal Fuzzy Sets and Systems

Relevant works

I will enoumerate some of the most relevant works published in the last 10 years.

Monographs

B. Bede, L. Coroianu, S.G. Gal, Approximation by max-product operators, Springer, 2016.

Papers

- 1) A.I. Ban, L. Coroianu, Simplifying the search for effective ranking of fuzzy numbers, IEEE

Transactions on Fuzzy Systems, **23**(2), 327-339, 2014.

- 2) L. Coroianu, Best Lipschitz constants of solutions of quadratic programs, Journal of Optimization Theory and Applications, **170**, 853-875, 2016.
- 3) L. Coroianu, R. Fullér, On the constrained OWA aggregation problem with single constraint, Fuzzy Sets and Systems **332**, 37-43, 2018.
- 4) L. Coroianu, L. Stefanini, Properties of fuzzy transform obtained from $L_{\{p\}}$ minimization and a connection with Zadeh's extension principle, Information Sciences, **478**, 331-354, 2029.
- 5) S.V. Oprea, A. Bâra, G.A. Ifrim, L. Coroianu, Day-ahead electricity consumption optimization algorithm for smart homes, Computers and Industrial Engineering, **135**, 382-401, 2019.
- 6) L. Coroianu, D. Costarelli, S.G. Gal, G. Vinti, Approximation by max-product sampling Kantorovich operators with generalized kernels, Analysis and Applications, **19**(2), 219-244, 2021.
- 7) L. Coroianu, S.G. Gal, On the inequalities of Turán, Bernstein and Erdős-Lax in quaternionic setting, Revista de la Real Academia de Ciencias Exactas, Fisicas y Naturales serie A. Matematicas, **115**, article no. 187, 2021.
- 8) U. Kadak. D. Costarelli, L. Coroianu, Neural network operators of generalized fractional integrals equipped with a vector-valued vector, Chaos, Solitons and Fractals, **177**, 114-272, 2023.
- 9) L. Coroianu, Bernstein inequalities in the setting of generalized polynomials, Journal of mathematical Analysis and applications, 538 (1) (2024), 128383.

08.08.2024.

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