

Curriculum Vitae

Personal information

First name/Surname **Claudia Zaharia**
Address Department of Mathematics
West University of Timisoara
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E-mail claudia.zaharia@e-uvt.ro, czaharia@math.uvt.ro
Nationality Romanian
Date of birth 23.09.1985

Education and training

Dates 2010 – 2013
Title of qualification awarded PhD - Mathematics
Thesis: *Fixed point theory and Ulam – Hyers stability in probabilistic structures*
Name and type of organisation providing education and training West University of Timisoara, Doctoral School of Mathematics
Dates 2008 – 2010
Title of qualification awarded M.Sc. - Applied Statistics and Computer Science
Thesis: *Classical and Evolutionary Algorithms for Data Clustering*
Name and type of organisation providing education and training West University of Timisoara, Faculty of Mathematics and Computer Science
Dates 2004 – 2008
Title of qualification awarded B.Sc. - Mathematics
Thesis: *Generalized contractions and fixed points*
Name and type of organisation providing education and training West University of Timisoara, Faculty of Mathematics and Computer Science

Employment

Occupation or position held Teaching Assistant (since 2014), Junior Teaching Assistant (2008-2014)
Employer West University of Timisoara, Romania
Main activities and responsibilities Seminars and laboratories
(Numerical Analysis, Probability Theory, Stochastic Processes, Fixed Point Theory, Numerical Simulation, Financial Data Mining, C Programming, Mathematical Software)

Research activity

Fields of interest Probabilistic Analysis, Nonlinear Analysis, Stability of Functional Equations, Statistics, Data Mining
Publications 13 research papers, 1 book (see Annex 1)
ResearcherID: K-4609-2013
Hirsch index according to ISI WoS: 3 (see Annex 2)
Membership in grants/projects - scholarship for doctoral studies (2010 – 2013) - strategic grant POSDRU/CPP107/DMI1.5/S/78421, Project ID 78421 (2010), co-financed by the European Social Fund – Investing in People, within the Sectoral Operational Programme Human Resources Development 2007 – 2013

- member of the project HURO/1001/264/2.2.3 "Cross-Border Research on Functional Analysis and Differential Equations", 2012
- member of the project MIS 1411 "Sustaining Excellence in Mathematical Education", Romania - Republic of Serbia IPA Cross-border Cooperation Programme, 2013 – 2014

Research visits	University of Szeged, Hungary (March 2012)
Additional information	<p>Organiser of the Workshop on Iterative Approximation of Fixed Points (IAFP) in the framework of the International Symposium on Symbolic and Numeric Algorithms for Scientific Computing (SYNASC), Timisoara, 2014, 2015</p> <p>Member of the Editorial Board of Journal of Nonlinear Science and Applications (ISI indexed journal)</p> <p>Reviewer for Abstract and Applied Analysis, Iranian Journal of Fuzzy Systems, Annals of the "Al. I. Cuza" University Iași – Mathematics, Journal of Nonlinear Science and Applications, Le Matematiche, Arab Journal of Mathematical Sciences, Mathematical Reviews, Zentralblatt MATH</p> <p>Member of the Romanian Mathematical Society (2010 - present)</p>

September 14, 2015

Annex 1: List of publications

1. Publications in ISI – indexed journals

- C. Zaharia, N. Ćirović - A Probabilistic Fixed Point Result Using Altering Distance Functions, *Journal of Function Spaces* Volume 2015 (2015), Article ID 919202
- L. Pârvulescu, M. Pîrvu, L. G. Moroşan, C. Zaharia - Plasticity in fecundity highlights the females' importance in the spiny-cheek crayfish invasion mechanism, *Zoology* (2015), <http://dx.doi.org/10.1016/j.zool.2015.08.003>
- M. Pîrvu, C. Zaharia, A. Satmari, L. Pârvulescu - Spatial ecology of *Hydropsyche incognita* (Trichoptera: Hydropsychidae) in the Carpathians, *European Journal of Entomology* 112, No.1 (2015), 106-113
- D. Miheţ, C. Zaharia - A note on the definition of a generalized fuzzy normed space, *Fuzzy Sets and Systems* 238 (2014), 129-134
- L. Pârvulescu, C. Zaharia - Distribution and ecological preferences of noble crayfish in the Carpathian Danube basin: biogeographical insights into the species history, *Hydrobiologia* 726, No. 1 (2014), 53-63
- C. Zaharia, D. Miheţ - On the probabilistic stability of some functional equations, *Carpathian Journal of Mathematics* 29, No. 1 (2013), 125-132
- C. Zaharia, D. Miheţ - On a problem of Schwaiger in random normed spaces, *Aequationes Mathematicae* 86, No. 1 (2013), 99-105
- C. Zaharia - On the probabilistic stability of the monomial functional equation, *Journal of Nonlinear Science and Applications* 6 (2013), 51-59
- L. Pârvulescu, C. Zaharia, A. Satmari, L. Drăguţ - Is the distribution pattern of the stone crayfish in the Carpathians related to karstic refugia from Pleistocene glaciations?, *Freshwater Science* 32, No. 4 (2013), 1410-1419
- L. Pârvulescu, C. Zaharia - Current limitations of the stone crayfish distribution in Romania: Implications for its conservation status, *Limnologica* 43 (2013), 143-150
- D. Miheţ, C. Zaharia - Probabilistic (quasi)metric versions for a stability result of Baker, *Abstract and Applied Analysis* Volume 2012, (2012), Article ID 269701

2. Publications in journals indexed in other international databases

- C. Zaharia - Remarks on homogeneity in the stability theorem for monomial functional equations, *Annals of the West University of Timișoara, Mathematics and Computer Science Series* 47 (2009), 187-199
- D. Miheţ, C. Zaharia - The probabilistic stability for the Gamma functional equation, *Journal of Science and Arts* No. 3 (20) (2012), 297-302

3. Books

- C. Zaharia –Statistical hypothesis testing with Mathematica and Maple, Ed. Eubeea, 2010, ISBN: 978-973-673-181-5 (in Romanian)

Annex 2: List of citations

The paper [C. Zaharia - *On the probabilistic stability of the monomial functional equation*, *Journal of Nonlinear Science and Applications* 6 (2013), 51-59] is cited in:

1. Y. H. Lee, S. M. Jung – A general theorem on the stability of a class of functional equations including monomial equations, *Journal of Inequalities and Applications* (2015), 2015:269
2. H. H. Alsulami, H. M. Kenari, D. O'Regan, R. Saadati – Multi-C*-ternary algebras and applications, *Journal of Inequalities and Applications* (2015), 2015:223
3. A. A. N. Abdou, Y. J. Cho, R. Saadati – Distance type and common fixed point theorems in Menger probabilistic metric type spaces, *Applied Mathematics and Computation* 265 (2015), 1145-1154
4. Y. H. Lee, S. M. Jung – A general uniqueness theorem concerning the stability of monomial functional equations in fuzzy spaces, *Journal of Inequalities and Applications* (2015) 2015:66
5. Y. J. Cho, R. Saadati, Y. O. Yang - Random C*-ternary algebras and application, *Journal of Inequalities and Applications* (2015), 2015:26
6. C. Park – Proper CQ-ternary algebras, *Journal of Nonlinear Science and Applications* 7 (2014), 278-287

The paper [D. Miheţ, C. Zaharia - *Probabilistic (quasi)metric versions for a stability result of Baker*, *Abstract and Applied Analysis Volume 2012*, (2012), Article ID 269701] is cited in:

7. J. Brzdęk, K. Ciepliński, Z. Leśniak – On Ulam's type stability of the linear equation and related issues, *Discrete Dynamics in Nature and Society Volume 2014* (2014), Article ID 536791
8. J. R. Lee – Stability of functional equations in matrix random normed spaces: A fixed point approach, *Results in Mathematics* 66 (2014), 99-112
9. I. S. Chang, Y. H. Lee – Approximate quadratic-additive mappings in fuzzy normed spaces, *Discrete Dynamics in Nature and Society Volume 2014* (2014), Article ID 494781

The paper [C. Zaharia, D. Miheţ - *On the probabilistic stability of some functional equations*, *Carpathian Journal of Mathematics* 29, No. 1 (2013), 125-132] is cited in:

10. D. Miheţ, R. Saadati – On the stability of some functional equations in Menger φ -normed spaces, *Mathematica Slovaca* 64 (2014), 209-228

The paper [D. Miheţ, C. Zaharia - *The probabilistic stability for the Gamma functional equation*, *Journal of Science and Arts No. 3* (20) (2012), 297-302] is cited in:

11. J. Brzdęk, K. Ciepliński, Z. Leśniak – On Ulam's type stability of the linear equation and related issues, *Discrete Dynamics in Nature and Society Volume 2014* (2014), Article ID 536791

The paper [D. Miheţ, C. Zaharia - *A note on the definition of a generalized fuzzy normed space*, *Fuzzy Sets and Systems* 238 (2014), 129-134] is cited in:

12. D. Miheţ, R. Saadati – On the stability of some functional equations in Menger φ -normed spaces, *Mathematica Slovaca* 64 (2014), 209-228

The paper [L. Pârvulescu, C. Zaharia - *Current limitations of the stone crayfish distribution in Romania: Implications for its conservation status*, *Limnologica* 43 (2013), 143-150] is cited in:

13. C. Chucholl, A. Schrimpf – The decline of endangered stone crayfish (*Austropotamobius torrentium*) in southern Germany is related to the spread of invasive alien species and land-use change, *Aquatic Conservation: Marine and Freshwater Ecosystems* (2015), online first, doi: 10.1002/aqc.2568
14. T. Erős, E. H. Campbell Grant – Unifying research on the fragmentation of terrestrial and aquatic habitats: patches, connectivity and the matrix in riverscapes, *Freshwater Biology* 60 (2015), 1487-1501
15. A. Kouba, A. Petrussek, P. Kozák – Continental-wide distribution of crayfish species in Europe: update and maps, *Knowledge and Management of Aquatic Ecosystems* 413 (2014), Article Number: 05
16. K. Římalová, K. Douda, M. Štambergová – Species-specific pattern of crayfish distribution within a river network relates to habitat degradation: implications for conservation, *Biodiversity and Conservation* 23 (2014), 3301-3317

The paper [L. Pârvulescu, C. Zaharia, A. Satmari, L. Drăguţ - *Is the distribution pattern of the stone crayfish in the Carpathians related to karstic refugia from Pleistocene glaciations?*, *Freshwater Science* 32, No. 4 (2013), 1410-1419] is cited in:

17. D. Copilaş-Ciocianu, A. Petrussek – The southwestern Carpathians as an ancient centre of diversity of freshwater gammarid amphipods: insights from the *Gammarus fossarum* species complex, *Molecular Ecology* 24(15) (2015), 3980-3992

18. S. A. Welsh, Z. J. Loughman - Physical habitat and water quality correlates of crayfish distributions in a mined watershed, *Hydrobiologia* 745 (2015), 85-96
19. N. S. Whiterod, O. F. Sweeney, M. P. Hammer – Assessing the status of a disjunct population of the endangered crayfish *Euastacus bispinosus* in a karst rising-spring habitat in southern Australia, *Aquatic Conservation: Marine and Freshwater Ecosystems* (2014), online first, doi: 10.1002/aqc.2478
20. A. Kouba, A. Petrusek, P. Kozák – Continental-wide distribution of crayfish species in Europe: update and maps, *Knowledge and Management of Aquatic Ecosystems* 413 (2014), Article Number: 05
21. A. Schrimpf, K. Theissingner, J. Dahlem, I. Maguire, L. Pârvulescu, H. K. Schulz, R. Schulz – Phylogeography of noble crayfish (*Astacus astacus*) reveals multiple refugia, *Freshwater Biology* 59 (4) (2014), 761-776
22. B. Helms, Z. J. Loughman, B. L. Brown, J. Stoeckel – Recent advances in crayfish biology, ecology, and conservation, *Freshwater Science* 32(4) (2013), 1273-1275

The paper [L. Pârvulescu, C. Zaharia - Distribution and ecological preferences of noble crayfish in the Carpathian Danube basin: biogeographical insights into the species history, *Hydrobiologia* 726, No. 1 (2014), 53-63] is cited in:

23. V. Simić, I. Maguire, M. Rajković, A. Petrović – Conservation strategy for the endangered crayfish species of the family Astacidae: the ESHIPPO crayfish model, *Hydrobiologia* (2015), doi: 10.1007/s10750-015-2295-0
24. S. A. Welsh, Z. J. Loughman - Physical habitat and water quality correlates of crayfish distributions in a mined watershed, *Hydrobiologia* 745 (2015), 85-96
25. A. Kouba, A. Petrusek, P. Kozák – Continental-wide distribution of crayfish species in Europe: update and maps, *Knowledge and Management of Aquatic Ecosystems* 413 (2014), Article Number: 05