## Europass Curriculum Vitae



### Personal information

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|---|---|
| Family name(s) / First name(s) | **PETRUSEL, Adrian** |
| Work Address(es) | Kogălniceanu Street, no. 1, 400084 Cluj-Napoca, Romania |
| Telephone(s) | +40.264.405.300 (office) |
| Fax(es) | +40.264.591.906 |
| E-mail | adrian.petrusel@ubbcluj.ro |
| Nationality | |
| Date of birth | |
| Gender | |

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| **Occupational field** **Research interests** | Professor of Mathematics, Babeş-Bolyai University Cluj-Napoca, Romania Nonlinear Analysis: Fixed Point Theory, Differential Equations, Multivalued Analysis |

### Work experience

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| Dates | 2025- |
| Occupation or position held | Acting Rector of Babeș-Bolyai University Cluj-Napoca, Romania |
| Main activities and responsibilities | Administrative activities |
| Name and address of employer | Babeş-Bolyai University Cluj-Napoca, Romania |
| Type of business or sector | Higher education |

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| Dates | 2020-2024 |
| Occupation or position held | Vice-Rector for RD&I - Babeş-Bolyai University Cluj-Napoca, Romania |
| Main activities and responsibilities | Administrative activities |
| Name and address of employer | Babeş-Bolyai University Cluj-Napoca, Romania |
| Type of business or sector | Higher education |

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|---|---|
| Dates | 2012-2020 |
| Occupation or position held | Dean of the Faculty of Mathematics and Computer Science |
| Main activities and responsibilities | Administrative activities |
| Name and address of employer | Babeş-Bolyai University Cluj-Napoca, Romania |
| Type of business or sector | Higher education |

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|---|---|
| Dates | Since October 2005 |
| Occupation or position held | PhD supervisor (15 Ph.D. students with confirmed degree, 3 Ph.D. students in coordnation) |
| Main activities and responsibilities | Research activity |
| Name and address of employer | Babeş-Bolyai University Cluj-Napoca, Romania |
| Type of business or sector | Higher education |

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|---|---|
| Dates | Since March 2003 |
| Occupation or position held | Full Professor |
| Main activities and responsibilities | Didactic and research activity |

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| Name and address of employer | Babeş-Bolyai University, Faculty of Mathematics and Computer Science |
| Type of business or sector | Higher education |
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| Dates | February 1998 – February 2003 |
| Occupation or position held | Associate Professor |
| Main activities and responsibilities | Didactic and research activity |
| Name and address of employer | Babeş-Bolyai University Cluj-Napoca, Romania |
| Type of business or sector | Higher education |
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| Dates | October 1994 - February 1998 |
| Occupation or position held | Lecturer |
| Main activities and responsibilities | Didactic and research activity |
| Name and address of employer | Babeş-Bolyai University Cluj-Napoca, Romania |
| Type of business or sector | Higher education |
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| Dates | October 1990 – September 1994 |
| Occupation or position held | Assistant Professor |
| Main activities and responsibilities | Didactic and research activity |
| Name and address of employer | Babeş-Bolyai University Cluj-Napoca, Faculty of Mathematics and Computer Science, Romania |
| Type of business or sector | Higher education |
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| Dates | November 1989 – September 1990 |
| Occupation or position held | Researcher |
| Main activities and responsibilities | Research activity |
| Name and address of employer | Institute for Computer Science |
| Type of business or sector | Research institute |
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| Dates | September 1986 – October1989 |
| Occupation or position held | Math Teacher |
| Main activities and responsibilities | Teaching |
| Name and address of employer | Secondary School no. 2, Gherla, Cluj County |
| Type of business or sector | Didactic activity |

**Education and training**

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| Dates | October 1990 – May 1994 |
| Title of qualification awarded | Pd.D. in Mathematics |
| Principal subjects/occupational skills covered | Doctoral studies in Mathematics |
| Name and type of organisation providing education and training | Babeş-Bolyai University, Faculty of Mathematics and Computer Science<br>Public institution |
| Level in national or international classification | Doctoral studies<br>ISECD Level 6 |
| | |
| Dates | September 1982– July 1986 |
| Title of qualification awarded | B.Sc. Degree Diploma |
| Principal subjects/occupational skills covered | Specialization Mathematics |
| Name and type of organisation providing education and training | Babeş-Bolyai University Cluj-Napoca, Faculty of Mathematics and Computer Science<br>Public Higher Education Institution |
| Level in national or international classification | Bachelor in Mathematics<br>ISECD Level 5 |

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| **References** | For details concerning my research activity see my personal web page: http://math.ubbcluj.ro/~petrusel/index-en.html<br>Google Scholar: https://scholar.google.com/citations?user=kOS-Q18AAAAJ&hl=en<br>UEFISCDI ID: **U-1700-028X-7457;** Web of Science ResearcherID: AAF-1150-2020 |
| **Personal and social skills/competences** | Capacity to organize activities and to adapt to multicultural environments, obtained via management experience and academic mobility abroad |
| **Mother tongue(s)/ Other language(s)** | Romanian/ English, French |

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| **Coordination of research and structural grants** | National grants: **Grant no. B03/2000, Grant no. A13/2001 (ANSTI grants) and Grant nr. 187/2005-2007 (CNCSIS), Support Center Horizon 2020/Europe – UBB by the Operational Program Competitiveness, 2020-2022, CNFIS-FDI-2021-0061 and CNFIS-FDI-2022-0179, Project PFE-550-UBB financed by the Ministry of Research Romania** |
| **Scientific activity** | Papers in Web of Science - Clarivate Analytics     over 200<br>Books, book chapters     over 16<br>Invited Conferences     over 50<br>Web of Science Citations     over 3600<br>H-index    (Web of Science)     30<br>H-index (SCOPUS)     32<br>Visiting Professor/Researcher: University of Seville, Spain; National Sun Yat-sen University, Kaohsiung; North Minzu University, Yinchuan; King Saud University, Riyadh; China Medical University, Taichung;<br>Member of the Academy of Romanian Scientists (since 2016)<br>Top 2% most cited scientists in the world (Scopus by Stanford-Elsevier --- 2024)<br>Editor in Chief of the journals Fixed Point Theory, Studia Univ. Babeș-Bolyai Math., Fixed Point Theory and Algorithms for Science and Engineering (Springer) and Applicable Nonlinear Analysis. |

**Prof. Adrian Olimpiu Petruşel, Ph.D.**               **August 29, 2025**

## A. List of the most relevant five publications

1. D. O' Regan, **Adrian Petrusel**: *Fixed point theorems for generalized contractions in ordered metric spaces*, JOURNAL OF MATHEMATICAL ANALYSIS AND APPLICATIONS   Volume: 341 (2008)  Issue: 2  Pages: 1241-1252 (**IF 1,612 - 2013**)
2. **Adrian Petrusel,** Gabriela  Petrusel: Coupled fractal dynamics via Meir–Keeler operators, CHAOS SOLITONS & FRACTALS 122 (2019), 206-212.
3. L.C. Ceng,  **Adrian Petrusel**; J.-C. Yao: *Iterative Approaches to Solving Equilibrium Problems and Fixed Point Problems of Infinitely Many Nonexpansive Mappings*, JOURNAL OF OPTIMIZATION THEORY AND APPLICATIONS   Volume: 143 (2009), 37-58.
4. G. Mot, **Adrian Petrusel**: *Fixed point theory for a new type of contractive multivalued operators*, NONLINEAR ANALYSIS-THEORY METHODS & APPLICATIONS   Volume: 70 (2009), 3371-3377.
5. **Adrian Petrusel,** I.A. Rus, M.-A. Serban: Fixed Points, *Fixed Sets and Iterated Multifunction Systems for Nonself Multivalued Operators*, SET-VALUED AND VARIATIONAL ANALYSIS   Volume: 23 (2015),  223-237.

## B. Membership in Scientific Committees of Mathematical Journals (selective list)

1. editor-in-chief la revista "Fixed Point Theory"
2. co-editor-in-chief for the journal " Fixed Point Theory and Algorithms in Science and Engineering" (Springer)
3. co-editor-in-chief for the journal "Studia Universitatis Babeş-Bolyai", Mathematica
4. member in the editorial board of "Journal of Function Spaces"
5. member in the editorial board of  "FILOMAT"
6. member in the editorial board of  "Applicable Analysis and Discrete Mathematics"
7. member in the editorial board of  "Miskolc Math. Notes"
8. member in the editorial board of  "The Journal of Nonlinear Sciences and its Applications"
9. member in the editorial board of „Journal of Nonlinear and Variational Analysis"
10. member in the editorial board of  "Linear and Nonlinear Analysis"
11. member in the editorial board of  "Applied Analysis and Optimization"
12. member in the editorial board of  "Mathematica" (Cluj)

## C. Membership in Professional Associations

1. American Mathematical Society
2. European Society of Mathematics
3. Working Group on Generalized Convexity / Monotonicity
4. Society for Mathematical Sciences of Romania
5. Academy of Romanian Scientists, Bucharest, Romania (full member since 2016)

## D. Invited Researcher (2016-2025)

### I. Invited Conferences

1. International Workshop on Nonlinear and Variational Analysis, Kaohsiung Medical University, Kaohsiung, Taiwan, July 21-23, 2017.
2. International Workshop on Applied Analysis and Optimization, China Medical University, Taichung, Taiwan, 25-28 mai 2016.
3. International Workshop on Nonlinear Analysis and Optimization, dedicated to 60th anniversary of Aram Arutyunov, University of Porto, Porto, Portugalia, April 19-21, 2017.
4. 12th International Conference on Fixed Point Theory and its Applications, Newcastle, Australia, July 24-28, 2017.
5. Workshop on Nonsmooth and Variational Analysis, University of Vienna, ESI - Vienna, Austria, January 28 - February 1, 2019.
6. 13th International Conference on Fixed Point Theory and its Applications, Henan Normal University, XinXiang, P.R. China, July 9-14, 2019.
7. International Workshop on Nonlinear and Variational Analysis, Tianjin Politechnic University, Tianjin, P.R. China, July 15-17, 2019.
8. Conference on Ulam's Type Stability, Timisoara, Romania, October 8-13, 2018.
9. 2020-AMS Sectional Meeting at University of Texas at El Paso, Special session on "Fixed Point Theory and its Applications", September 12-13, 2020.
10. 10th International Workshop on Fixed Point Theory, Graph Theory and Their Applications, King Fahd University of Petroleum & Minerals, Dhahran, Saudi Arabia, December 14-15, 2020.
11. International Conference on Analysis and Its Applications - 2021, Nepal Math. Society & Katmandu University, April 9-11, 2021.

12. International Workshop on Nonlinear Anlysis, Fixed Point Theory and Applications, Technical Univ. of Cluj-Napoca, University Center Nord, Baia-Mare, May 19-20, 2021.
13. International Workshop on Digital Machine Learning, August 20-22, 2021, Chiang Mai University, Thailand.
14. International Conference on Functional Equations and Inequalities, September 12-18, 2021, Bedlewo, Poland.
15. International Workshop on Nonlinear Analysis and Applications, October 13-16, 2021, University of Nis, Serbia.
16. International Symposium on Fixed Point Theory and Applications, King Fahd University of Petroleum & Minerals, Dhahran, Saudi Arabia, December 13-14, 2021.
17. International Conference on Nonlinear Applied Analysis and Optimization, Banaras Hindu University Varanasi, India, December 21-23, 2021.
18. MiniSymposium on Fixed Point Theory, European Congress of Mathematics, Seville, Spain, July 15-19, 2024.
19. IWAAO - 2025 China Medical University, Taichung, Taiwan (dedicated to Professor Juan Enrique Martinez-Legaz on the occassion of his 75th birthday), February 12-14, 2025.

## II. International Visits (2016-2025)

1. 2016, May 1-30: National Sun Yat-sen University, Kaohsiung
2. 2017, September 25 - October 26: National Sun Yat-sen University, Kaohsiung
3. 2017, October 26-30: Institute of Fundamental and Frontier Studies, University of Electrical Science and Technology, Chengdu, P.R. China
4. 2018, August 28 – September 24: National Sun Yat-sen University, Kaohsiung
5. 2019, December 5-12: King Fahd University of Petroleum and Minerals, Dhahran, Saudi Arabia
6. 2021, November 20-26: Pompeu Fabra University Barcelona, Spain
7. 2022, April 25 – May 2: University of Malaga and University of Seville, Spain
8. 2022, July 5-8: University of Vienna, Austria
9. 2022, December 15 – January 15, 2023: National Sun Yat-sen University, Kaohsiung
10. 2023, December 13 - January 12, 2024: National Sun Yat-sen University, Kaohsiung and China Medical University, Taichung
11. 2025, January 31, 2025-March 1st, 2025 National Sun Yat-sen University, Kaohsiung and China Medical University, Taichung.

# E. Ph.D. Supervisor

Ph.D. Supervisor, since 2004. Ph.D. students: Monica Boriceanu (Bota) (2009), Petru Tunde Petra (2009), Liliana Guran (2010), Tania Lungu (2010), Ioana Tise (2010), Adriana Nicolae (2011), Darius Filip (2011), Vasile Lazar (2012), Ioan-Radu Petre (2012), Casian Butaci (2012), Oana Mleşniţe (2013), Cristina Urs (2013),Coroian Iulia (2016), Cristian Alexa (2018), Adrian Magdaş (2020).

# F. Other Activities

### Editor of International Volumes/Proceedings
1) Editor of the volume: Fixed Point Theory and its Applications, Yokohama Publishers, Yokohama, Japan, 2010.
2) Editor od spome special issues of Abstract and Applied Analysis (2013-2014):
i) E. Karapinar, W.S. Du, P. Kumam, A. Petrusel, S. Romaguera (Editors): Existence and uniqueness of fixed points in various abstract spaces and related results, Special issue- Abstract and Applied Analysis, Hindawi, 2015.
ii) J.C. Yao, A. Latif, C. Li, A. Petrusel (Editors): Variational Analysis, Optimization and Fixed Point Theory, Special issue-Abstract and Applied Analysis, Hindawi, 2014.
3) Editor of a special issue of "Optimization"- **Special Issue:** International Workshop on Nonlinear and Variational Analysis 2019.

### Books or Chapter Books
1. A. Petrusel: Multifunctions and Applications, Cluj University Press, Cluj-Napoca, 2002, 215 pp.
2. A. Petrusel: Operator Inclusions, House of the Book of Science Cluj-Napoca, 2002, 165 pp.
3. I. A. Rus, A. Petrusel, G. Petrusel: Fixed Point Theory 1950-2000 : Romanian Contributions, House of the Book of Science, Cluj-Napoca, 2002, 325 pp.
4. A. Petrusel, G. Mot : Multivalued Analysis and Mathematical Economics, House of the Book of Science, Cluj-Napoca, 2004, 148 pp.
5. G. Mot, A. Petrusel, G. Petrusel: Topics in Nonlinear Analysis and Applications to Mathematical Economics, House of the Book of Science, Cluj-Napoca, 2007, 154 pp.
6. I. A. Rus, A. Petrusel, G. Petrusel: Fixed Point Theory, Cluj University Press, 2008, 515 pp.
7. Adrian Petruşel, I.A. Rus: A class of functional-differential equations with applications to a bilocal problem, in: Topics in Mathematical Analysis and Applicaions (Themistocles M. Rassias, L. Toth-Eds.), Springer 2014, pp.609-632.
8. V. Berinde, A. Petruşel, I.A. Rus, M.A. Şerban: The retraction-displacement condition in the theory of fixed point equation with a convergent iterative algorithm, in: Mathematical Analysis, Approxima-tion Theory and Their Applications (Th.M. Rassias, V. Gupta-Eds), Springer 2016, pp. 75-106.

9. A. Petruşel, I.A. Rus, M.A. Şerban: Fixed point structures, invariant operators, invariant partitions, and applications to Caratheodory integral equations, *Contributions in Mathematics and Engineering*, Springer Verlag, 2016, 497-515.

10. A. Petrusel, G. Petrusel: Coupled fixed points and coupled coincidence points via fixed point theory, Mathematical Analysis and Applications: Selected Topics (M. Ruzhansky, H. Dutta, R.P. Agarwal - Eds.), Wiley, 2018, 661-708.

11. A. Petrusel, I.A. Rus: Ulam Stability of Zero Point Equations, in: Ulam type Stability, J. Brzdek, D. Popa, Th. M. Rassias (eds.), pp 345-364, https://doi.org/10.1007/978-3-030-28972-0_16.

12. A. Petrusel, I.A. Rus: The relevance of a metric condition on a pair of operators in common fixed point theory. Advances in Metric Fixed Point Theory and Applications (Yeol Je Cho, Mohamed Jleli, Mohammad Mursaleen, Bessem Samet, Calogero Vetro - Eds.), Springer, Singapore, 2021, 1--21.

13. A. Petrusel, I.A. Rus: Introduction to Halanay lemma, via weakly Picard operator theory, Approximation Theory and Analytic Inequalities (Th.M. Rassias - Ed.), Cham, Springer. 2021, 379--390.

14. A. Petrusel, G. Petruşel, Fixed point theory in graph metric spaces, Approximation and Computation in Science and Engineering, 679--691, Springer Optim. Appl., 180, Springer, Cham, 2022.

15. M. Moga, A. Petrusel: Large contractions and surjectivity in Banach spaces, Springer Proc. Math. Stat., 419, Springer, Singapore, 2023, 3-12.

16. A. Petrusel, G. Petrusel, J.-C. Yao: Fixed point theory for multi-valued Feng-Liu operators in vector-valued metric spaces. Recent Developments in Fixed Point Theory, Springer 2024.

August 29, 2025                                                                                                    Prof. Adrian Petrusel, Ph.D.