

Europass Curriculum Vitae



Personal information

Family name(s) / First name(s) **PETRUŞEL, Adrian**

Work Address(es) **[Redacted]**

Telephone(s) +40.264.405.300 (office)

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Nationality Romanian

Date of birth **[Redacted]**

Gender Male

Occupational field Research interests

Professor of Mathematics, Babeş-Bolyai University Cluj-Napoca, Romania
Nonlinear Analysis: Fixed Point Theory, Differential Equations, Multivalued Analysis

Work experience

Dates	2020-
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
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
Dates	Since October 2005
Occupation or position held	PhD supervisor (15 Ph.D. students with confirmed degree, 3 Ph.D. students in coordination)
Main activities and responsibilities	Research activity
Name and address of employer	Babeş-Bolyai University Cluj-Napoca, Romania
Type of business or sector	Higher education
Dates	Since March 2003
Occupation or position held	Full Professor
Main activities and responsibilities	Didactic and research activity
Name and address of employer	Babeş-Bolyai University, Faculty of Mathematics and Computer Science
Type of business or sector	Higher education
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
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
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
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
Dates	September 1986 – October 1989
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	
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 Public institution
Level in national or international classification	Doctoral studies 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 Public Higher Education Institution
Level in national or international classification	Bachelor in Mathematics ISECD Level 5
References	
	For details concerning my research activity see my personal web page: http://math.ubbcluj.ro/~petrusel/index-en.html Google Scholar: https://scholar.google.com/citations?user=kOS-Q18AAAAJ&hl=en 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
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

Scientific activity

Papers in Web of Science - Clarivate Analytics	over 190
Books, book chapters	over 15
Invited Conferences	over 50
Web of Science Citations	over 3300
H-index (Web of Science)	28
H-index (SCOPUS)	28

Visiting Professor/Researcher: University of Seville, Spain; National Sun Yat-sen University Kaohsiung, Taiwan; North Minzu University Yinchuan, China; King Saud University, Riyadh, Saudi Arabia.

Member of the Academy of Romanian Scientists (since 2016)

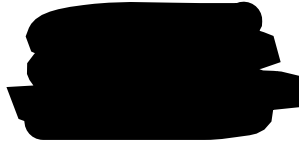
Top 2% most cited scientists in the world (Scopus by Stanford-Elsevier --- 2020-2022)

Member in international research grants: 1) On solution methods for equilibrium and optimization problems on manifolds (between : 2015 – 2019) at National Sun Yat-sen University Kaohsiung, Taiwan, and 2) On solution methods for variational inclusions and related problems in semi-inner product spaces (between 2022-2023) at Research Center for Interneural Computing, China Medical University, Taichung, Taiwan.

Editor in Chief of the journals Fixed Point Theory, Studia Univ. Babeş-Bolyai Math. and Fixed Point Theory and Algorithms for Science and Engineering (Springer)

Prof. Adrian Olimpiu Petruşel, Ph.D.

November 2024



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 (2016-2020)

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"
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 (2016-2022)

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, Portugal, 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 Analysis, 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.

II. International Visits (2016-2024)

- 1 2016, 1-30 mai: National Sun Yat-sen University, Kaohsiung, Taiwan
- 2 2016, 15-20 septembrie: Hangzhou Dianzi University, Hangzhou, P.R. China
- 3 2016, 20-22 septembrie Normal Shanghai University, Shanghai, P.R. China.
- 4 2017, 28 septembrie-26 octombrie: National Sun Yat-sen University, Kaohsiung, Taiwan
- 5 2017, 26-30 octombrie: Institute of Fundamental and Frontier Studies, University of Electrical Science and Technology, Chengdu, P.R. China, Octombrie 201
- 6 2018, 28 august-24 septembrie: National Sun Yat-sen University, Kaohsiung, Taiwan
- 7 2019, 5-12 decembrie: King Fahd University of Petroleum and Minerals, Dhahran, Saudi Arabia
- 8 2021, 20-26 noiembrie: Pompeu Fabra University Barcelona, Spain
- 9 2022, 25 aprilie-2 mai: University of Malaga și University of Seville, Spain
- 10 2022, 5-8 iulie: University of Vienna, Austria
- 11 2022, 15 decembrie-15 ianuarie 2023 National Sun Yat-sen University, Kaohsiung, Taiwan
- 12 2023, 13 decembrie-12 ianuarie 2024 National Sun Yat-sen University, Kaohsiung, Taiwan

E. Membership in International Ph.D. Defense Committees (2019-2023)

M. RADHAKRISHNAN: *FIXED POINT THEOREMS FOR CERTAIN NONEXPANSIVE TYPE MAPS AND CHARACTERIZATIONS FOR k-STRONGLY CONVEX BANACH SPACES*, University of Madras, India (2019).

YASIR ARFAT: *ITERATIVE CONSTRUCTION FOR SPLIT INVERSE PROBLEMS WITH APPLICATIONS*, KING MONGKUT'S UNIVERSITY OF TECHNOLOGY THONBURI, BANGKOK, Thailand (2021)

F. 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 Mleşnițe (2013), Cristina Urs (2013), Coroian Iulia (2016), Cristian Alexa (2018), Adrian Magdaş (2020).

G. Other Activities

Editor of International Volumes/Proceedings

1) Volumul: *Fixed Point Theory and its Applications*, Yokohama Publishers, Yokohama, Japan, 2010.

2) Editor al unor numere speciale ale revistei *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 al unui număr special al revistei "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 Petrușel, I.A. Rus: A class of functional-differential equations with applications to a bilocal problem, in: Topics in Mathematical Analysis and Applications (Themistocles M. Rassias, L. Toth-Eds.), Springer 2014, pp.609-632.
8. V. Berinde, A. Petrușel, I.A. Rus, M.A. Șerban: The retraction-displacement condition in the theory of fixed point equation with a convergent iterative algorithm, in: Mathematical Analysis, Approximation Theory and Their Applications (Th.M. Rassias, V. Gupta-Eds), Springer 2016, pp. 75-106.
9. A. Petrușel, I.A. Rus, M.A. Șerban: 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. Petrușel, Fixed point theory in graph metric spaces, Approximation and Computation in Science and Engineering, 679--691, Springer Optim. Appl., 180, Springer, Cham, 2022.

H-index: Web of Science: 28, Scopus: 28.

November 5, 2024

Petrușel Adrian Olimpiu

