

## CURRICULUM VITAE

### RADU PRECUP

Corresponding member of the Romanian Academy, October 2021

**Actual position:** Senior researcher I, Institute of Advanced Studies in Science and Technology, Babeş-Bolyai University (STAR-UBB) & Tiberiu Popoviciu Institute of Numerical Analysis, Romanian Academy, Cluj-Napoca

#### Address:

Babeş-Bolyai University, Department of Mathematics

Str. Mihail Kogălniceanu, nr. 1

RO-400084 Cluj-Napoca, Romania

E-mail: r.precup@math.ubbcluj.ro

Web page: [www.researchgate.net/profile/Radu\\_Precup](http://www.researchgate.net/profile/Radu_Precup)

### EDUCATION

- 1975-1980, Faculty of Mathematics, Babeş-Bolyai University, Cluj-Napoca
- 1985, Ph.D. Babeş-Bolyai University, Cluj-Napoca
- 1990-1991 (9 months), Postdoctoral stage, Bourse du Gouvernement Français (BGF), University of Paris VI

### SPECIALITY

Nonlinear analysis, Ordinary differential equations, Partial differential equations, Mathematical modeling

### ACADEMIC POSITIONS

- 1987–1990, Assistant, Babeş-Bolyai University
- 1990–1994, Lecturer, Babeş-Bolyai University
- 1994–1998, Associate Professor, Babeş-Bolyai University
- 1998–2021, Professor, Babeş-Bolyai University
- 2021–present, CS I, Institute of Advanced Studies in Science and Technology, Babeş-Bolyai University, Cluj-Napoca & CS I, Tiberiu Popoviciu Institute of Numerical Analysis, Romanian Academy, Cluj-Napoca
- Visiting professor for short periods: University of Metz (2002, 2005, 2014, 2016, 2018), University of Perugia (2014, 2016, 2019), University of Torun (2013), University of Sfax (2013), University of Ruse (2015).

### CONFERENCES

- NATO Advanced Study Institute, 33rd session: Topological Methods in Differential Equations and Inclusions, July 11-22, 1994, Montreal, Canada (special talk);
- International Congress of Mathematicians, August 3-11, 1994, Zürich, Switzerland;
- Second World Congress of Nonlinear Analysts, July 10-17, 1996, Athens, Greece (invited talk);
- 4ème Colloque franco-roumain, 31 août-4 septembre, 1998, Metz, France (plenary invited talk);
- 3rd Hungarian-Romanian Joint Conference on Mathematics and Computer Science, June 6-12, 1999, Visegrád, Hungary;
- Third World Congress of Nonlinear Analysts, July 19-26, 2000, Catania, Italy (invited talk);

- 5ème Colloque franco-roumain, 28 août-1er septembre, 2000, Constanța;
- International Conference on Nonlinear Operators, Differential Equations and Applications, September 12-15, 2001, Cluj-Napoca;
- 5th Hungarian-Romanian Joint Conference on Mathematics and Computer Science, June 9-12, 2004, Debrecen, Hungary;
- International Conference on Nonlinear Operators, Differential Equations and Applications, August 24-27, 2004, Cluj-Napoca;
- 7ème Colloque franco-roumain, 30 août-3 septembre, 2004, Craiova (plenary invited lecture);
- International Conference on Mathematical Analysis and Applications, September 23-24, 2005, Craiova (invited talk);
- International Conference on Nonlinear Operators, Differential Equations and Applications, July 4-8, 2007, Cluj-Napoca;
- 7th Hungarian-Romanian Joint Conf. Math. Comput. Sc., July 3-6, 2008, Cluj-Napoca (plenary invited lecture);
- International Conference on Boundary Value Problems, September 16-19, 2008, Santiago de Compostela, Spain (invited talk);
- Romanian-German Symposium on Mathematics and Its Applications, May 14-17, 2009, Sibiu;
- 10ème Colloque Franco-Roumain de Mathématiques Appliquées, 26-31 août, 2010, Poitiers, France;
- International Conference on Nonlinear Operators, Differential Equations and Applications, July 5-8, 2011, Cluj-Napoca;
- International Conference on Fixed Point Theory and Its Applications (ICFPTA-2012), July 9-15, 2012, Cluj-Napoca;
- Summer School "Analytical and Computer Assisted Methods in Mathematical Models", September 9-23, 2012, Freudenstadt, Germany (lectures);
- International Workshop on Fixed Point Theory and Applications, October 11-13, 2012, Istanbul, Turkey;
- Workshop: Positive Solutions to Differential Equations, May 6-10, 2013, Torun, Poland (invited talks);
- Academic Days of Timisoara, Workshop on Geometry and PDEs, May 23-24, 2013, Timisoara;
- Faculty of Science, University of Sfax, June 19-26, 2013, Sfax, Tunisia;
- Anatolian Communications in Nonlinear Analysis, July 3-6, 2013, Bolu, Turkey (invited talk);
- Summer School "Analytical and Computer Assisted Methods in Mathematical Models", September 1-15, 2013, Hojduzoboszlo, Hungary (lectures);
- Dipartimento di Matematica e Informatica, Universita degli Studi di Perugia, February 12, 2014 Perugia, Italy;
- Workshop: Lectures in Nonlinear Analysis and Differential Equations, March 24-28, 2014, Cosenza, Italy (invited lectures);
- Workshop in Geometry and PDEs, June 6-7, 2014, Timisoara (invited talk);
- Minisymposium on Fixed Point Theory and Applications, June 1-7, 2014, Baia-Mare (invited talk);
- Workshop in Geometry and PDEs, May 29-31, 2015, Timisoara (invited talk);
- The Eighth Congress of Romanian Mathematicians, June 26-July 1, 2015, Iasi;
- International Conference on Nonlinear Operators, Differential Equations and Applications, July 14-17, 2015, Cluj-Napoca;
- Symposium on Nonlinear Analysis SNA2015, September 14-18, 2015, Torun, Poland (invited talk);
- Scientific Conference UR & US'15, October 9-10, 2015, Ruse, Bulgaria (invited talk);
- Workshop in Geometry and PDEs, June 10-11, 2016, Timisoara (keynote speaker).
- Workshop of Geometry and PDEs, June 13-14, 2017, Timisoara (keynote speaker);
- Scientific Conference UR & US'16, October, 2017, Ruse, Bulgaria (invited talk);

- International Symposium "Research and Education in an Innovation Era", May 17-20, 2018, Arad (invited speaker);
- International Conference on Mathematics and Computer Science, June 14-16, 2018, Brasov;
- International Conference on Nonlinear Analysis and Boundary Value Problems, September 4-7, 2018, Santiago de Compostela, Spain (main speaker);
- Workshop of Geometry and PDEs, October 12-13, 2018, Timisoara.56;
- International Symposium "Research and Education in an Innovation Era", 8th Edition, Arad, 23-25 May, 2019 (invited speaker);
- Workshop on Analysis, PDEs and Mechanics, Bucharest 30 May 2019;
- Italian-Romanian Colloquium of Differential Equations and Applications, Udine, 10-12 April, 2019 (invited speaker);
- Fixed Point Theory, Graph Theory and Optimization: Foundations and Integrative Approaches, Dhahran, Saudi Arabia, 18-19 December, 2019 (invited speaker);
- Zilele Academice Clujene 2021, 28 octombrie 2021;
- Analysis seminar, West Virginia University, Morgantown, 17 November 2021;
- Current Trends in Applied Mathematics, Iasi, 20 November 2021;
- Workshop: Geometric Function Theory in Several Complex Variables and Complex Banach Spaces, Cluj-Napoca, 1-3 December 2021.

#### EDITORIAL ACTIVITY

- *Studia Universitatis Babeş-Bolyai Mathematica* (Cluj), Editor-in-Chief;
- *Fixed Point Theory* (Cluj), Deputy Editor-in-Chief;
- *Fixed Point Theory and Algorithms for Sciences and Engineering* (Springer), Section Editor;
- *Carpathian Journal of Mathematics* (Baia Mare), Member of the Editorial Board;
- *Mathematics in Engineering, Science and Aerospace* (USA), Member of the Board;
- *Transylvanian Journal of Mathematics and Mechanics* (Romania), Member of the Board;
- *Discussiones Mathematicae Differential Inclusions, Control and Optimization* (Poland), Member of the Editorial Board.;
- *Journal of Inequalities and Special Functions* (Poland), Member of the Editorial Board.;
- *Mathematica* (Romanian Academy), Member of the Editorial Board.;
- *Proceedings of the Romanian Academy- Series A*, Member of the Editorial Board.

#### ORGANIZER

- International Conference on Nonlinear Operators, Differential Equations and Applications ICNODEA-Cluj, 2001, 2004, 2007, 2011 and 2015.
- Mini-symposium "Analyse non-linéaire", 8ième Colloque Franco-Roumain de Mathématiques Appliquées, Chambéry (France), 28 août-1er septembre 2006.
- Workshop (Babeş-Bolyai University - University Paris Sud), Méthodes variationnelles en micromagnétisme, Cluj-Napoca, 2008.
- Special session SS7: Methods of Nonlinear Analysis for Partial Differential Equations, IC-NPAA Congress: Mathematical Problems in Engineering, Aerospace and Sciences, Sao Jose dos Campos, Brazilia, 2010.
- Workshop on Nonlinear Analysis on the Occasion of the 65th Birthday of Patrizia Pucci, Cluj-Napoca, May 25-27, 2017.

## AWARDS

- Prizes of Babeş-Bolyai University: 2001 (for book); 2002, 2009, 2010, 2016 (research);
- Prizes of the Faculty of Mathematics and Computer Science, Cluj-Napoca: 2012 (didactic); 2015 (research)
- Crystal Prize "The Best Paper"-University of Ruse 2015.

## ADMINISTRATION

- Chairman of Chair of Differential Equations of Babeş-Bolyai University of Cluj (2003-2008)
- Director Department of Applied Mathematics of Babeş-Bolyai University of Cluj (2003-2008)
- Director Department of Mathematics of Babeş-Bolyai University of Cluj (2008-2012)
- Director Doctoral School of Mathematics and Computer Science of Babeş-Bolyai University of Cluj (2012-2015)
- Member of Mathematics Committee of CNATDCU (2006-2012)
- Member of the Senate of Babeş-Bolyai University of Cluj (2012-2016)
- Member of the Scientific Council of Babeş-Bolyai University (2017-2020)

## BOOKS AND MONOGRAPHS

1. *Methods in Nonlinear Integral Equations*, Kluwer Academic Publishers, 2002, 232 pp; Softcover reprint of the original 1st ed. 2002, Springer Netherlands, 2013.
2. *Theorems of Leray-Schauder Type and Applications* (with D. O'Regan), Gordon and Breach Science Publishers, Amsterdam, 2001, 216 pp.
3. *Linear and Semilinear Partial Differential Equations*, De Gruyter, Berlin, 2013, 294 pp.
4. *Ordinary Differential Equations*, De Gruyter, Berlin, 2018, 234 pp.
5. *Ecuatii cu derivate parțiale*, Transilvania Press, Cluj, 1997, 216 pp.
6. *Lecții de ecuații cu derivate parțiale*, Cluj University Press, Cluj, 2004, 286 pp.
7. *Ecuatii diferențiale*, Risoprint, Cluj, 2011, 189 pp.

## SCIENTIFIC ARTICLES

More than 180 papers in journals and volumes.

Citations: 2172 (Google Scholar).

h-index: 21, i10-index 62 (Google Scholar); h-index 14 (Scopus); h-index 14 (Web of Science).

Updated: January 2022