



CURRICULUM VITAE

Gabriela Georgeta Marinoschi

Actual position :

- Senior researcher I, director of research, Gheorghe Mihoc-Caius Iacob Institute of Mathematical Statistics and Applied Mathematics of the Romanian Academy (ISMMA)
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Education :

- University of Bucharest, diploma in Mathematics, 1979
- University of Bucharest, certificate of specialization in Fluid Mechanics, 1980
- University of Bucharest, Ph. D. in Mathematics, 1989
- Thesis: Contribution to the study of wave propagation in fluids, advisor: Prof. Lazăr Dragoş

Scientific Committees and Academies :

- Corresponding member of the Romanian Academy, June 2017
- Executive scientific secretary of the Romanian National Committee of Mathematics, since 1994

Background profile / Field of specialization :

- Mathematics / Nonlinear PDEs, optimal control, fluid dynamics

Fields of current interests and keywords:

- Nonlinear partial differential equations
- Boundary value problems
- Parabolic equations
- Free boundary problems
- Semigroup and variational methods
- Optimal control, stabilization and inverse problems
- In particular, with applications in:
 - porous media (groundwater flows)
 - biological flows (population dynamics, chemotaxis, biology, medicine)
 - phase transitions
 - fluid dynamics and MHD flows

Publications :

- 4 books (see List of publications A)
- 11 invited chapters in peer-reviewed collective volumes (see List of publications B)
- co-editor of 8 volumes (see List of publications C)
- more than 90 papers published in peer reviewed journals (see List of publications D)
- over 70 papers presented at national and international scientific meetings
- about 30 technical reports and computer soft for operational hydrological events (1980-1990)

Language proficiency :

- English, Italian, French: very well
- German: fair

Professional positions held:

- Mathematician, Institute of Meteorology and Hydrology, Bucharest, 1980-1985
- Scientific researcher, Institute of Meteorology and Hydrology, Bucharest, 1985-1990
- Senior researcher II, Institute of Meteorology and Hydrology, Bucharest, 1990
- Scientific secretary, Romanian Academy, Section of Mathematical Sciences, December 1990 – September 2017 (part time)
- Senior researcher II (May 1991-February 1998), Institute of Applied Mathematics of the Romanian Academy
- Senior researcher I (February 1998-December 2001), Institute of Applied Mathematics of the Romanian Academy
- Senior researcher I (December 2001-present), Gheorghe Mihoc-Caius Iacob Institute of Statistical Mathematics and Applied Mathematics of the Romanian Academy (ISMMA) (former Institute of Applied Mathematics between 1991-2001)

Positions abroad :

- NATO research fellowship: University of Athens, Greece April-June 1994
- Researcher, Forschungszentrum Jülich, Germany, September-October 1994
- Visiting professor, Center of Optimal Control, and Discrete Mathematics, Central China Normal University, November-December 2003, May-June 2004
- Visiting professor CIRM-Fondazione Bruno-Kesler Italy, November 2008, November 2012

Visiting appointments abroad :

Visiting researcher:

- Forschungszentrum Jülich, Germany: July 1995, May 1997, November 1999, November 2000, October 2001
- Center of Atmosphere Physics and Climatology of the Academy of Athens, Greece: July 1996, August 1998, August 1999, September 2000
- Technical University of Athens: March 2000

- University of Trento, Department of Mathematics: April 2003, October 2003, April 2004, October 2004, April 2005, November 2005, March-April 2006, March 2007, October 2007, May 2008; October 2009, November 2011, November 2013, October 2014, October 2015, September 2016
- Institute for Analysis of Systems and Informatics, CNR, Rome, May 2014
- University of Pavia; May 2014, December 2014, March 2015, November 2015, April 2016

Visiting professor:

- University of Bologna: July 2005, September 2006, April 2008, April 2009, June 2009, October 2009, April-May 2010, November 2010, May 2011, November 2011, October 2012, May, October 2013, September 2014, September 2016
- University of Bari: May-June 2013, May 2015

Teaching experience :

- Assistant professor, University of Bucharest, Faculty of Mathematics, 1981-1984
- Assistant professor, University Politehnica of Bucharest, 1983-1984
- Professor, Central China Normal University: November-December 2003, May-June 2004
- Ph.D. advisor, since 2004, (O.M. no. 4629/7.09.2004) with ISMMA, between 2003-2013 and with the Simion Stoilow Institute of Mathematics, between 2013-present

Theses coordinated:

- Cornelia Ciutoreanu, Numerical methods for nonlinear diffusion equations, ISMMA, June 2010
- Roxana Sgarcea, Models of reaction-diffusion with chemotaxis, ISMMA, June 2012
- Felician Preda, Topological and Monotonicity Methods in the Study of Nonlinear Partial Differential Equations, ISMMA, October 2012
- Sergiu Lupu, Contributions to the study of orbit errors of GPS satellites due to non-gravitational perturbations, Simion Stoilow Institute of Mathematics, August 2014
- Ioana Boacă, Variational methods for diffusion-reaction problems and applications, Simion Stoilow Institute of Mathematics, January 2017

Jury member:

- Member of jury in about 20 Ph.D thesis and habilitation thesis in Romania
- Jury member (Examineur): Ph.D. thesis Diffusion and Age in Population Dynamics, by Caterina Cusulin, University of Trento 2006

Director of Project:

➤ International projects

- **EC contract No. EV5VCT 920214**, *Critical parameters governing the mobility and fate of pesticides in the soil/aquifer system*, with Forschungszentrum Jülich, **1994-1996**
- **Bilateral cooperation** *Analytical and numerical modelling of complex pollutant transport phenomena in surface waters*, with the Technical University of Athens, **1998-2000**
- **Bilateral agreement** between Romanian Academy and CNR, Italy, *Nonlinear partial differential equations (PDE) with applications in modeling cell growth, chemotaxis and phase transition*, **2014-2016**
- **Project LEA** ([Laboratoire Européen Associé Franco-Roumain](#)) between CNRS-France and Simion Stoilow Institute of Mathematics: *Analyse mathématique et control d'un modèle de sélection- mutation et division pour la modélisation de la leucémie chronique du ganglion*, with dr. Vuk Milisic, University Paris 13, **2014-2015**
- **Bilateral agreement** between Romanian Academy and CNR, Italy, *Control and stabilization problems for phase field and biological systems*, **2017-2019**

➤ National projects

- **RD- project of excellency**, Contract CEEEX-05-D11-25 / 2005-2007 (director of project)
- **RD- project of excellency**, Contract CEEEX-05-D11-36 / 2005-2008 (partner-responsible of project)
- **RD- project of excellency**, Contract 2-CEX-06-D11-97/ 2006-2008 (partner-responsible of project)
- **Advanced IDEAS Project**, PN-IDEI ID_70, 2008-2011 (director of project)

➤ About 10 Grants financed by

- Romanian Academy: 1996, 1997, 2003-2004, 2005-2006
- Ministry of Research : 1998, 1998-1999, 1999-2001, 2001-2002
- Ministry of Education and Research (CNCSIS): 2002, 2004 – 2005

➤ **Research contracts :**

- Annual several contracts concerning research and operative hydrological prognosis within the Institute of Meteorology and Hydrology, between 1981-1990
- Several contracts within IMA with the Institute of Meteorology and Hydrology, 1992-1994

Participant in other projects :

➤ **International projects :**

- **MIUR-PRIN Italy**, “Teoria Matematica delle Popolazioni: metodi, modelli, confronto con i dati”, led by Prof. M. Iannelli, 2007-2010
- **MIUR-PRIN Italy**, PRIN 2009 - 2009RNH97Z_001, “Interacting structures in population dynamics”, led by Prof. M. Iannelli, 2011-2013
- Member of the management committee of **COST MP0701**, Composites with novel functional and structural properties by nanoscale materials (NANO COMPOSITE MATERIALS - NCM), 2008-2012

➤ **National projects :**

- Advanced IDEAS Project, PN-IDEI ID_404, 2007-2010
- Complex Advanced IDEAS Project, PCCE-55, Differential systems and applications, led by University of Craiova, 2008-2012
- PN-II-ID-PCE-2011-3-0027, Analysis and Control of Deterministic and Stochastic Diffusion Equations, 2011-2016, led by Romanian Academy, Iasi Branch, Inst. Mathematics Octav Mayer, Iasi
- PN-II-ID-PCE-2011-3-0045, Mathematical modeling of ductile rupture, 2011-2016, led by Inst. Mathematics S. Stoilow
- PN-III-P4-ID-PCE- 2016-0011, Analysis and control of Schrodinger stochastic equations and of some nonlinear diffusion models, 2017-2019, led by Romanian Academy, Iasi branch
- PN-III-P4-ID-PCE- 2016-0372, Stochastic analysis and nonlinear equations for fragmentation processes, 2017-2019, led by Inst. Mathematics S. Stoilow

Participation in international meetings as invited or plenary speaker:

- 7-ème Colloque Franco-Roumain de Mathématiques Appliquées, Craiova, Romania, August 30- September 3, 2004
- 8th International Symposium on Automatic Control and Computer Science, Iasi, Romania, October 22 - 23, 2004
- International Conference Inverse Problems, June 19-24, 2005, Cortona, Italia
- International workshop “Functional methods in biomathematics”, August 10-16, 2005 Galanesti, Romania
- Conférence Francophone sur la Modélisation Mathématique en Biologie et en Médecine, Craiova, July 12-14, 2006 (**plenary conference**)
- 8-ième Colloque Franco-Roumain de Mathématiques Appliquées, Chambéry, August 28 – September 1, 2006
- International Conference on Applied Analysis and Differential Equations, ICAADE, Iasi September 4-9, 2006 (**plenary conference**)
- Conference Matematica Oggi per l’Uomo e l’Ambiente, Montecatini March 26-29, 2007
- Evolution Equations: Direct and Inverse Problems, University of Bologna, September 18-20
- Direct, Inverse and Control Problems, University of Rome, La Sapienza, June 23-28
- 6th Congress of Romanian Mathematicians, Bucharest, June 28-July 4, 2007 (**plenary conference on sections**)
- Conference Mathematical Models for Complex Systems, Cortona, September 25-29, 2007
- 9-ième Colloque Franco-Roumain de Mathématiques Appliquées, Brasov, August 27 – September 2, 2008
- Exploratory Workshop "Differential Equations and Applications in Life Sciences", Iasi, September 3-7, 2008
- Direct, Inverse and Control Problems, Cortona, September 22-26 2008.
- Recent challenges in medical mathematics and cancerology : modeling and mathematical analysis", February 23-27, 2009, CIRM, Marseille, France
- The 5th International Conference "Dynamical Systems and Applications", Constanta, Romania, June 15-18, 2009 (**plenary conference**)

- EEMMAS Conference, Taranto, Italy, June 29- July 3, 2009
- "A. Myller" Mathematical Seminar Centennial Conference, June 21-26, 2010, Iasi
- 10-ème Colloque Franco-Roumain, august 26-31 2010, Poitiers, France (**plenary conference**)
- "Diaspora în cercetarea stiintifica si învatamântul superior din România" Bucuresti, September 21-24 2010 (**plenary conference**)
- 8th Workshop on Mathematical Modelling of Environmental and Life Problems, Constanta, October 21-24, 2010
- 33th Caius Iacob Conference on Fluid Mechanics, Bucharest, Sept. 29-30, 2011
- Conference MIMMO-BIO, December 19-21 2011, Trento, Italy
- Conference MathProSpeM2012, April 16-21, 2012, Roma, Italy
- Workshop "Evolution Problems and Applications", July 13, 2012, Bari, Italy
- Conference PDEs, Inverse Problems and Control Theory, July 16-20, 2012, Bologna, Italy
- Conference ADMAT 2012, Cortona, September 17-21, 2012
- Conference PDEs and Stochastic Processes, The 5th Workshop Series on Mathematics, October 12-14, 2012, Pitești, Romania
- Conference Diff. Eq., Inverse Problems and Control Theory, Cortona, Italia, 16-22.06.2013
- AMS Conference, Nonlinear Evolution Equations, June 26-30, 2013, Alba Iulia
- Conference Faculty of Sciences - 150 years, 29.08-1.09.2013, Bucharest
- Diffuse Interface Models - DIMO2013, Levico Terme, Italia, 9.09-14.09.2013
- AIMS conference, Madrid, 7-11.07.2014
- 12e Colloque Franco-Roumain de Mathématiques Appliquées, Lyon, France, 25-30.08.2014
- PDE's, Inverse Problems and Control Theory, September 15-19, 2014, Bologna, Italy
- New advances in PDE's, Inverse Problems and Control Theory, Parma, July 6-11, 2015
- The 36th Conference Caius Iacob, Fluid Mechanics, Bucharest, November 29-30, 2015
- Session Analyse et Contrôle des EDP, XIII-ème Colloque Franco-Roumain de Mathématiques Pures et Appliquées, Iasi, 25-29.08.2016
- Partial Differential Equations and Applications, Bologna, May 22-26, 2017
- Atelier de travail en stochastique et interférences avec EDP, 13-14.09.2017, Bucarest

- Joint International Meeting of the German Mathematical Society and the Romanian Mathematical Society, 16-19.09.2017, Constanta

Invited conferences at foreign universities and institutes:

- Forschungszentrum Jülich, Germany: September 1994, May 1997, October 2001
- University of Trento: April 2003, April 2005
- Institute of Mathematics of the Chinese Academy of Sciences, Wuhan, China: November 2003
- Center of Optimal Control, and Discrete Mathematics, Central China Normal University: June 2004
- Department of Mathematics, University of Bologna: September 2004, July 2005, April 2008, May 2010, October 2013, September 2016
- Department of Mathematics, University of Bari, July 2012
- IMAR Monthly Conferences, January 9, 2013
- University of Bari (three conferences, May 2013)
- Department of Mathematics , University of Pavia, May 2014, March 2015, November 2015
- Department of Mathematics , University of Bari, May 2015

Other talks:

- 1st European Conference of Fluid Mechanics, Cambridge, UK, September 1991
- ECMI Workshop, Bucharest, July 1995
- ICIAM Congress, Hamburg, 1995
- 9th ECMI Congress, Lyngby, Denmark, July 1995
- The 29th ESGI (European Study Group in Industry) meeting, Oxford, UK, March 1996
- VIIth Conference on Nonlinear Analysis, Numerical Analysis, Applied Mathematics and Informatics, Constanta, May 1999
- 1st Workshop on Mathematical Modelling of Environmental Problems, Bucharest, Romania, July 2003
- 2nd Workshop on Mathematical Modelling of Environmental and Life Science Problems, Bucharest, Romania, July 2003
- GAMM Conference, Abano Terme, Italy, March 24-28, 2003
- NPDE2003, Alushta, Ukraine, September 15-21, 2003
- Conference “New Trends in Continuum Mechanics”, Constanta, Romania, September 8-12, 2003
- 4th Workshop on Mathematical Modelling of Environmental and Life Science Problems, Constanta, Romania, September 2005
- 5th Workshop on Mathematical Modelling of Environmental and Life Science Problems, Constanta, Romania, September 2006
- Conference “Colocvii Matematice”, Romanian Academy, November 2013
- Conference “Colocvii Matematice”, Romanian Academy, April 2016

Organization of scientific meetings :

- 1st Workshop on Mathematical Modelling of Environmental Problems, Bucharest, June 17-21, 2002 (main organizer)
- Vth Congress of Romanian Mathematicians (member of the organization committee), Pitesti, June 2003
- 2nd Workshop on Mathematical Modelling of Environmental and Life Problems, Bucharest, July 2003 (main organizer)
- 4th Workshop on Mathematical Modelling of Environmental and Life Problems, Constanta, September 2005 (member of the organization committee)
- International workshop “Functional methods in biomathematics”, August 10-16, 2005 Galanesti, Romania (member of the organization committee)
- Franco-Roumaine Conference de Biomathématique, Craiova, July 2006 (member in the scientific board)
- 8-ième Colloque Franco-Roumain de Mathématiques Appliquées, Chambéry, 28 aug-1 sept. 2006 (co-organizer of the minisymposium Biomathématiques)
- 5th Workshop on Mathematical Modelling of Environmental and Life Problems, Constanta, September 2006 (member of the organization committee)
- 6th Workshop on Mathematical Modelling of Environmental and Life Problems, Constanta, September 2006 (member of the organization committee)
- 6th Congress of Romanian Mathematicians, Bucharest, June 28-July 4, 2007 (member of the organization committee)
- 9-ième Colloque Franco-Roumain de Mathématiques Appliquées, Brasov, August 28 – Sept. 2, 2008 (co-organizer of the minisymposium Nonlinear PDE in applied sciences)
- International workshop “Differential Equations and Applications in Life Sciences”, September 3-7 2008, Iasi
- 7th Workshop on Mathematical Modelling of Environmental and Life Problems, Constanta, 2007 (member of the organization committee)
- 8th Workshop on Mathematical Modelling of Environmental and Life Problems, Constanta, October 21-24, 2010 (member of the organization committee)

- 7th Congress of Romanian Mathematicians, Bucharest, June 20-July 5, 2011 (member of the organization committee)
- 9th Workshop on Mathematical Modelling of Environmental and Life Problems, Constanta, 2012 (member of the organization committee)
- Conference Caius Iacob, Bucharest, October 10-12, 2013 (member of the organization committee)
- PDEs and Stochastic Processes, The 5th Workshop Series on Mathematics, October 12-14, 2012, Pitești, Romania (member of the organization committee)
- Special session Mathematical models in life and environment, AMS Conference, 26-30.06.2013, Alba Iulia
- 10th Workshop on Mathematical Modelling of Environmental and Life Problems, Constanta, October 16-19, 2014 (member of the organization committee)
- 8th Congress of Romanian Mathematicians, Bucharest, June 26-July 1, 2015 (member of the organization committee)
- Current Issues in PDEs and Stochastics, Bucharest, June 1, 2016
- Session Maths et Planète Terre, XIII-ème Colloque Franco-Roumain de Mathématiques Pures et Appliquées, Iasi, 25-29.08.2016
- 11th Workshop on Mathematical Modelling of Environmental and Life Problems, Constanta, October 12-16, 2016 (member of the scientific committee)
- Organization of about 50 meetings and conferences within the annual scientific programs of the Section of Mathematical Sciences (between 1991-2016)

Editorial activity :

- Scientific secretary of the editorial board of the Romanian Academy journal *Mathematical Reports*, 2000-2012
- Member of the editorial board of [Mathematical Reports](#), since 2013
- Member of the editorial board of [Revue Roumaine de Mathématiques Pures et Appliquées](#), since 2013
- Member of the editorial board of [Journal of Numerical Analysis and Approximation Theory](#), since 2013
- Reviewer for *Mathematical Reviews*, *Zentralblatt*
- Reviewer for international journals (e.g., *AIMS journals*, *Transport in Porous Media*, *NODEA*, *Abstract and Applied Analysis*, *Nonlinear Analysis*, *J. Math. Anal. Appl.*, *SIAM journals*, *Math. Methods. Appl. Sci.*, *Appl. Math. Comput.*, *Appl. Math. Modeling*, *J. Optimiz. Theory Appl.*, *Nonlinearity*)

Administration, professional membership and offices held :

- Member of the Commission of Litigation of CNADTCU - Ministry of Education, 2016-2020
- Vicepresident of the Commission of Litigation of CNADTCU - Ministry of Education, 2012-2016
- Vicepresident of the Commission of Mathematics of CNADTCU – Ministry of Education and Research, 2011-2012
- Member of the leading board of the Excellence Research Programme CEEEX, 2005-2009
- Member of the Council of Mathematics Doctoral School, Faculty of Mathematics, Bucharest
- Responsible with administrative activities regarding the evaluation of the institutes of the Romanian Academy, 1999-2004
- Secretary of the Romanian Section of GAMM since 2001
- Scientific secretary of the Romanian National Committee of Mathematics, since 1994
- GAMM member since 1991

- Secretary of the Romanian Section of GAMM since 2001
- IFNA member 2007-2009
- Member of the Scientific Council of ISMMA
- Leader of the ISMMA team “PDEs in life and environmental sciences”

Awards :

- Spiru Haret Prize of the Romanian Academy in the domain of Mathematical Sciences, 1992
- Cultural Distinction of the Romanian Academy, 2002
- Chevalier of the National Order “For Merit”, 2004 (presidential award)

LIST OF PUBLICATIONS

A. Books (inverse chronological order)

1. A. Favini, G. Marinoschi, *Degenerate Nonlinear Diffusion Equations*, Lecture Notes in Mathematics 2049, Springer, Berlin, New York, 2012. (143 pages, ISBN 978-3-642-28284-3) DOI 10.1007/978-3-642-28285-0
2. G. Marinoschi, *Functional approach to nonlinear models of water flow in soils*, Mathematical Modelling Series: Theory and Applications, volume 21, Springer, 2006. (315 pages, ISBN-10: 1-4020-4879-3)
3. G. Marinoschi, *Analysis and Control of Basic Problems in the Theory of Water Infiltration in Soils*, Hubei Science and Technology Press, Wuhan, 2004. (233 pages, ISBN: 7-5352-3210-8)
4. G. Marinoschi, *Mathematical treatment of infiltration and dispersion problems*, Center of Optimal Control and Discrete Mathematics, Central China Normal University, Wuhan, 2003. (Lecture notes, 147 pages)

B. Articles or chapters in peer-reviewed collective volumes (chronological order)**(Thomson Reuters Web of Science journals marked by *)**

1. S. Ion, G. Marinoschi, D. Marinescu, *Analytical and numerical approach to Richards' equation*. In: **Current topics in Continuum Mechanics** (Ed. L. Dragos), 103-140, Romanian Academy Publishing House, Bucharest, 2002. ISBN: 973-27-0919-7
2. G. Marinoschi, *Analytical method for solving an advection - diffusion problem in a n - layered medium*. In: **Mathematical Modelling of Environmental Problems** (Eds. G. Marinoschi, S. Ion), 57-82, Romanian Academy Publishing House, 2002. ISBN: 973-27-0934-0
3. G. Marinoschi, A. Morega, *A study of the evolution of moisture discontinuity in a stratified porous medium*, In: **Mathematical Modelling of Environmental and Life Sciences Problems** (Eds. S. Ion, G. Marinoschi, C. Popa), Romanian Academy Publishing House, pp. 69-80, 2004. ISBN: 973-27-1113-2
4. G. Marinoschi, *On a nonlinear boundary value problem related to infiltration in unsaturated media*, In: **New Trends in Continuum Mechanics** (Ed. M. Suliciu, Proceedings of the International Conference 8-12 September, 2003, Constanta), Theta Publishing, 175-184, 2005.
5. G. Marinoschi, *Well-posedness for a non-autonomous model of fast diffusion*, In: **Applied Analysis and Differential Equations** (Eds. Ovidiu Carja, Ioan I. Vrabie), 199- 216, World Sci. Publ., Hackensack, NJ, 2007. ISBN 978-981-270-594-5
6. G. Marinoschi, *Mathematical models of diffusion in nonhomogeneous porous media*, In: **Topics in Applied mathematics and Mathematical Physics** (Eds. Cecil Pompiliu Grünfeld, Stelian Ion, G. Marinoschi), 243-277, Romanian Academy Publishing House, Bucharest, 2008. ISBN: 978-973-27-1719-6
7. G. Marinoschi, *Nonlinear diffusion equations with discontinuous coefficients in porous media*, In: **Progress in Nonlinear Analysis Research** (Ed. Erik T. Hoffmann), 209-242, Nova Science Publishers, New York, 2008. Hard-copy ISBN: 978-1-60456-359-7; 2009 On-line ISBN: 978-1-60741-399-8
8. G. Marinoschi, *Identification of a singular coefficient in a parabolic degenerate equation with transport*, In: **Alexandru Myller Mathematical Seminar Centennial Conference**, Iasi (Romania), 21-26 June 2010 (Eds. V. Barbu, O. Carja), AIP Conference Proceedings* volume 1329, 191-205, 2011. ISBN: 978-0-7354-0884-5 DOI: [10.1063/1.3559170](https://doi.org/10.1063/1.3559170)
9. A. Favini, A. Lorenzi, G. Marinoschi, H. Tanabe, *Perturbation methods and identification problems for degenerate evolution systems*, In: **Advances in Mathematics, Invited Contributions at the**

- Seventh Congress of Romanian Mathematicians, Brasov, 2011** (Eds. L. Beznea, V. Brinzanescu, M. Iosifescu, G. Marinoschi, R. Purice, D. Timotin), Publishing House of the Romanian Academy, 145-156, 2013. [ISBN:978-973-27-2316-6](#)
10. G. Fragnelli, G. Marinoschi, R.M. Mininni, S. Romanelli, *A control approach for an identification problem associated to a strongly degenerate parabolic system with interior degeneracy*, In: **New Prospects in Direct, Inverse and Control Problems for Evolution Equations**, (Eds. A. Favini et al.), Springer INdAM Series, vol. 10, 121-139, 2014. [ISBN 978-3-319-11405-7](#)
11. G. Marinoschi, *A note on the feedback stabilization of a Cahn-Hilliard type system with a singular logarithmic potential*, In: **Solvability, Regularity, Optimal Control of Boundary Value Problems for PDEs** (Eds. A. Favini, P. Colli, E. Rocca, G. Schimperna, J. Sprekels), Springer, in press.

C. Volume editor

1. G. Marinoschi, S. Ion, *Proceedings of the First Workshop on Mathematical Modelling of Environmental Problems*, Romanian Academy Publishing House, 2002. (160 pages, ISBN: 973-27-0934-0).
2. S. Ion, G. Marinoschi, C. Popa, *Mathematical Modelling of Environmental and Life Sciences Problems, Proceedings of Workshops June 2003, Bucharest and May 2004, Constanta*, Romanian Academy Publishing House, 2004. (293 pages, ISBN: 973-27-1113-2).
3. S. Ion, G. Marinoschi, C. Popa, *Mathematical Modelling of Environmental and Life Sciences Problems, Proceedings of the Fourth Workshop September 2005, Constanta*, Romanian Academy Publishing House, 2006. (293 pages, ISBN: 973-27-1158-5).
4. S. Ion, G. Marinoschi, C. Popa, *Mathematical Modelling of Environmental and Life Sciences Problems, Proceedings of the Fifth Workshop September 2006, Constanta*, Romanian Academy Publishing House, 2008. (224 pages ISBN: 978-973-27-1641-0).
5. C. P. Grünfeld, S. Ion, G. Marinoschi, *Topics in Applied Mathematics and Mathematical Physics*, Romanian Academy Publishing House, 2008. (ISBN: 978-973-27-1719-6).
6. S. Ion, G. Marinoschi, C. Popa, *Mathematical Modelling of Environmental and Life Sciences Problems, Proceedings of the 6th Workshop, September 2007 and 7th Workshop, September 2008, Constanta*, Romanian Academy Publishing House, 2010. (281 pages ISBN: 978-973-27-1903-9).
7. L. Beznea, V. Brinzanescu, M. Iosifescu, G. Marinoschi, R. Purice, D. Timotin, *Advances in Mathematics, Invited Contributions at the Seventh Congress of Romanian Mathematicians, Brasov, 2011*, Publishing House of the Romanian Academy, 2013. ISBN:978-973-27-2316-6
8. S. Anița, N. Hritonenko, G. Marinoschi, A. Swiermiak, *Optimal Control, in Mathematical Modelling of Natural Phenomena*, 9, 4, Cambridge University Press, 2014. (ISSN: 0973-5348).

D. Articles in peer-reviewed publications (chronological order)**(Thomson Web of Science journals marked by *)**

1. G. Marinoschi, *Minimax principle for an electrically conducting fluid flow along a channel*, **Studii si Cercetari Matematice**, 34, 2, 147-157, 1982.
2. G. Marinoschi, *Contribution to the study of a conducting fluid flow in a MGH generator*, **Studii si Cercetari Matematice**, 34, 6, 536-547, 1982.
3. G. Marinoschi, *The influence of an isolated low obstacle upon an airstream*, **Meteorology and Hydrology**, 21, 1, 15-19, 1991.
4. G. Marinoschi, *On the propagation of small perturbations into a mixture of fluids*, **Meteorology and Hydrology**, 21, 2, 25-29, 1991.
5. G. Marinoschi, A. Georgescu, *Models of asymptotic approximation governing the atmospheric motion over a low obstacle*, **Studii si Cercetari Matematice**, 44, 3, 237-252, 1992.
6. G. Marinoschi, *Uniqueness and existence theorems concerning the propagation of small perturbations in an electrically conducting plasma*, **Rev. Roumaine Math. Pures Appl.** 37, 7, 625-636, 1992.
7. G. Marinoschi, *On a problem of eigenvalues and eigenvectors concerning the small wave propagation in a conducting plasma*, **Rev. Roumaine Phys.** 37, 5, 481-486, 1992.
8. G. Marinoschi, *Solution for the two-dimensional pollutant dispersion produced by an accident in a river*, **Rev. Roumaine Sci. Tech. - Méc. Appl.** 38, 6, 637-641, 1993.
9. G. Marinoschi, *A perturbation method for the solution of convection-diffusion problems with variable velocity*, **Rev. Roumaine Math. Pures Appl.** 39, 2, 147-153, 1994.
10. G. Marinoschi, M. Simota, R. Mic, *Pollution simulations for Danube ,according to mathematical models of dispersion in various hypotheses*, **Proc. XVIIth Conference of the Danube Countries, Band I/Vol. II**, Budapest, 817-822, 1994.
11. G. Marinoschi, *Solution for a radioactive pollutant one-dimensional dispersion in a river*, **Romanian Journal of Hydrology and Water Resources**, 1, 1, 25-28, 1994.
12. G. Marinoschi, M. Simota, R. Mic, *The study of the pollutant transport on the Danube*, **Romanian Journal of Hydrology and Water Resources**, 2, 1-2, 55-59, 1995.
13. G. Marinoschi, U. Jaekel, H. Vereecken, *Some considerations about the effective macrodispersion coefficient*, **Revue Roumaine Sci. Tech. - Mec. Appl.** 40, 4, 503-518, 1995.

14. G. Marinoschi, *An analytical approach of the solutions of nonadiabatic motion in radiative magnetogasdynamics*, **Acta Mechanica***, 114, 1-4, 71-81, 1996.
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