

Curriculum vitae

Numele și prenumele	KOHR MIRELA		
Data nașterii	20. 11. 1967		
Funcția didactică actuală	Profesor univ. dr.		
Instituția la care este titular	Facultatea de Matematică și Informatică, Departamentul de Matematică, Universitatea Babeș-Bolyai, Cluj-Napoca		
Adresa de corespondență	Facultatea de Matematică și Informatică, Universitatea Babeș-Bolyai, Str. M. Kogălniceanu, nr. 1, 400084 Cluj-Napoca		
E-mail	mkohr@math.ubbcluj.ro		
Telefon	0264-405327		
Studii	Data absolvirii	Instituția	
Facultatea de Matematică (1986-1991)	Iunie 1991	Facultatea de Matematică, Universitatea Babeș-Bolyai, Cluj-Napoca, Romania	
Doctorat în domeniul Matematică Teza de doctorat: <i>Metode Moderne ale Analizei Complexe și Analizei Numerice în Mecanica Fluidelor</i> , Universitatea Babeș-Bolyai, Cluj-Napoca, 1996. Conducător științific: Profesor univ.dr. P.T. Mocanu, Membru al Academiei Române.	1996	Universitatea Babeș-Bolyai, Cluj-Napoca	
Carierea didactică – Denumirea funcției didactice	Perioada	Calitatea Titular/asociat	Instituția de învățământ
Preparator	Octombrie 1991- Septembrie 1994	Titular	Facultatea de Matematică și Informatică, Universitatea Babeș-Bolyai, Cluj-Napoca
Asistent universitar	Octombrie 1994 -Septembrie 1997	Titular	Facultatea de Matematică și Informatică, Universitatea Babeș-Bolyai, Cluj-Napoca
Lector univ. Dr.	Octombrie 1997- Septembrie 2000	Titular	Facultatea de Matematică și Informatică, Universitatea Babeș-Bolyai, Cluj-Napoca
Conferențiar univ. Dr	Octombrie 2000- Septembrie 2006	Titular	Facultatea de Matematică și Informatică, Universitatea Babeș-Bolyai, Cluj-Napoca
Profesor univ. Dr.	Octombrie 2006 -	Titular	Facultatea de Matematică și Informatică, Universitatea Babeș-Bolyai, Cluj-Napoca

Publicații, alte rezultate ale activității didactice și de cercetare științifică	Număr
Cărți, monografii, materiale de studiu	5 (+ 1 monografie acceptată la Springer) +3 capitole carte
Articole în reviste cotate ISI	68 (+ 2 acceptate spre publicare)
Articole în proceedings	5 (2 ISI)
Alte articole	62
Participări la conferințe internaționale	Peste 60 (peste 20 invitate)
Participări la conferințe interne	5
Membri în comitete de organizare sau științifice ale unor conferințe	Mai mult de 10 internaționale
Brevete de invenție	-

1. Domenii de interes științific

Mecanica Fluidelor (76); Ecuatii cu Derivate Parțiale în conexiune cu Mecanica Fluidelor (35Q35):

Mecanica fluidelor vâscoase incompresibile (76D):

Dinamica fluidelor vâscoase incompresibile la numere Reynolds mici (76D07)

Mișcări fluide vâscoase incompresibile în medii poroase (76S)

Metode teoretice și computaționale în mecanica fluidelor (76M):

Probleme cu valori pe frontieră pentru sisteme eliptice cu aplicații în mecanica fluidelor

Teoria potențialului cu aplicații în mecanica fluidelor (31)

Metode integrale pe frontieră în mecanica fluidelor

Rezultate de existență, unicitate și dependență de date în spații Hölder, L^p , Sobolev sau Besov pentru probleme cu valori pe frontieră asociate ecuațiilor Stokes, Brinkman, Navier-Stokes, pe domenii Lyapunov, respectiv Lipschitz din \mathbf{R}^n sau ale varietăților Riemanniene compacte, cu aplicații în mecanica fluidelor.

Teoria potențialului pentru operatori pseudodiferențiali Brinkman pe domenii Lipschitz ale unor varietăți Riemanniene compacte. Probleme cu valori pe frontieră de tip Dirichlet-transmisie, Neumann-transmisie, Robin-transmisie și rezultate de existență și unicitate în spații L^p generale sau în spații Sobolev generale. Proprietăți ale operatorilor Fredholm asociați. Extensii la operatori pseudodiferențiali generali. Probleme neliniare la limită asociate sistemelor Stokes, Brinkman și Darcy-Forchheimer-Brinkman cu diverși termeni neliniari

Metode variaționale și de teoria potențialului în analiza unor probleme eliptice cu valori pe frontieră pe domenii cu regularitate scăzută din \mathbf{R}^n și de pe varietăți Riemann cu sau fără bord

Metoda soluțiilor fundamentale în mecanica fluidelor

Metoda element pe frontieră în mecanica fluidelor

Teoria fluidelor ideale compresibile (76N)

Analiză complexă:

Teoria geometrică a funcțiilor de una și mai multe variabile complexe (30C, 32H):

Clase speciale de funcții univalente

Lanțuri Loewner și ecuația diferențială generalizată a lui Loewner pentru aplicații de mai multe variabile complexe

Extinderea unor rezultate clasice din teoria geometrică a funcțiilor de o variabilă complexă la cazul n -dimensional complex

2. Limbi străine cunoscute

Engleză (scris, citit, vorbit)

Franceză (scris, citit, vorbit)

Rusă (citat)

3. Alte diplome și gradații

Premiul *G. Călugăreanu* pentru teza de doctorat în anul 1996.

Premiul de *Exceelență Științifică* pe anul 2004, acordat de Universitatea Babeș-Bolyai.

Premiul Universității Babeș-Bolyai pe anul 2004 pentru monografia **M. Kohr, I. Pop**, *Viscous Incompressible Flow for Low Reynolds Numbers*, WIT Press: Computational Mechanics Publications, Southampton (UK), 2004, 449 pp. ISBN: 1-85312-991-7.

Premiul Spiru Haret al Academiei Române pe anul 2004, acordat în anul 2006 pentru monografia: **M. Kohr, I. Pop**, *Viscous Incompressible Flow for Low Reynolds Numbers*, WIT Press: Computational Mechanics Publications, Southampton (UK), Boston, 2004, 448 pp. ISBN: 1-85312-991-7.

Premiul de *Exceelență Științifică* pe anul 2007, acordat de Universitatea Babeș-Bolyai.

Premiul pentru *Profesorul anului 2010*, acordat de Universitatea Babeș-Bolyai.

Diplomă de *Exceelență Științifică* pentru anul universitar 2013/2014 acordată de Facultatea de Matematică și Informatică, Universitatea Babeș-Bolyai

Nominalizare *Premiile Excellentia* Consiliul Studentilor Universitatea Babeș-Bolyai 2021

Premiul Excellentia Consiliul Studentilor Universitatea Babeș-Bolyai 2022

Premiul de *Exceelență Științifică/Cercetare* pe anul 2022, acordat de Universitatea Babeș-Bolyai (6.02.2023)

4. Alte funcții deținute

Membru în Consiliul Profesorat al Facultății de Matematică și Informatică, Universitatea Babeș-Bolyai, în perioada 2004-2012

Membru în Consiliul de Administrație al Departamentului de Matematică al Facultății de Matematică și Informatică, 2012-2016.

5. Membru în organizații științifice și profesionale

Expert evaluator CNCS (din 2008 -)

Societatea de Științe Matematice din România (din 1996)

EUROMECH (European Mechanical Society) (din 1996)

GAMM (German Society of Applied Mathematics and Mechanics) (din 1995)

Membru AMS (American Mathematical Society) (din 2006)

Fellow of Wessex Institute of Great Britain (din 2004)

Member of the Complex Variables and Potential Theory Group, International Society for Analysis, its Applications and Computation (ISAAC)

<http://mathisaac.org/c/serverisaac/groups/cvpt.html>

6. Brevete, invenții, aplicații soft -

7. Activitate didactică

Activitatea didactică s-a concretizat în următoarele cursuri și seminarii:

- ***Geometric Function Theory in Several Complex Variables/ Teoria geometrică a funcțiilor de mai multe variabile complexe*** (curs (opțional) și seminar în limba engleză, master-grupa de Matematici Avansate, Facultatea de Matematică și Informatică, Universitatea Babeș- Bolyai)
- ***Mathematical Methods in Fluid Mechanics/Metode matematice în mecanica fluidelor*** (curs și seminar în limba engleză, master-grupa de Matematici Avansate, Facultatea de Matematică și Informatică, Universitatea Babeș- Bolyai)
- ***Potential Theory and Elliptic Boundary Value Problems*** (curs și seminar în limba engleză, master-grupa de Matematici Avansate, Facultatea de Matematică și Informatică, Universitatea Babeș- Bolyai)
- ***Capitole speciale de analiză complexă /Special topics in complex analysis*** (curs și seminar în limba engleză, Școala Doctorală de Matematică și Informatică, Universitatea Babeș- Bolyai)
- ***Capitole speciale de mecanica fluidelor /Special topics in fluid mechanics*** (curs și seminar în limba engleză, Școala Doctorală de Matematică și Informatică, , Universitatea Babeș- Bolyai)
- **Capitole Speciale de Mecanica Fluidelor** (curs și seminar în limba engleză, master-grupa de Modele Matematice în Mecanică și Astronomie și grupa de Matematică Aplicată, Facultatea de Matematică și Informatică, Universitatea Babeș- Bolyai)
- **Capitole Speciale de Mecanica Fluidelor** (curs, master-grupa Matematică Aplicată, Facultatea de Matematică și

- Informatică, Universitatea Babeș- Bolyai)
- Mecanica Mediilor Continue (curs, master-grupa Matematică Aplicată, Facultatea de Matematică și Informatică, Universitatea Babeș- Bolyai)
 - Mecanică Teoretică (curs și seminar, anul II secția Matematică, anul II secția Matematică-Informatică, Facultatea de Matematică și Informatică, Universitatea Babeș-Bolyai)
 - Mecanică (curs și seminar, anul II secțiile Matematică, Matematică-Informatică, Matematică Aplicată, Universitatea Babeș-Bolyai)
 - Mecanică Teoretică (1) (curs și seminar, anul II secția Matematică, anul III secția Matematică-Informatică, Facultatea de Matematică și Informatică, Universitatea Babeș-Bolyai)
 - Mecanică Teoretică (2) (curs și seminar, anul secția III Matematică, anul IV secția Matematică-Informatică, Universitatea Babeș-Bolyai)
 - Hidrodinamică și Transfer de Căldură (curs și seminar, master-grupa de Mecanică și Astronomie, Facultatea de Matematică și Informatică, Universitatea Babeș-Bolyai)
 - Metode Integrabile pe Frontieră în Mecanica Fluidelor (curs și seminar, anul IV secția Matematică, Facultatea de Matematică și Informatică, Universitatea Babeș-Bolyai)
 - Mecanică Analitică (curs și seminar, anul II, secțiile Fizică și Fizică Tehnologică, Facultatea de Fizică, UBB)
 - Capitle Speciale de Matematică (curs și seminar, anul II Facultatea de Chimie, Universitatea Babeș-Bolyai)
 - Cartografie (seminar, anul I Facultatea de Geografie, Universitatea Babeș-Bolyai)

Manuale și monografii destinate studenților și tinerilor cercetători:

1. **M. Kohr**, *Capitole Speciale de Mecanică*, Presa Universitară Clujeană, 2005, 479 pag. ISBN: 973-610-386-2
2. **M. Kohr**, *Probleme Moderne în Mecanica Fluidelor Vâscoase* (2 vols), Presa Universitară Clujeană, Cluj-Napoca, 2000 (monografie): Vol.1, 255 pag. ISBN 973-595-077-4; Vol.2, 452 pag. ISBN 973-595-078-2.
3. A. Turcu, **M. Kohr-Ile**, *Culegere de Probleme de Mecanică Teoretică*, Lito Univ. Babeș-Bolyai, Cluj-Napoca, 1993, 342 pag.

8. Activități de coordonare științifică și didactică

Începând din 1997 am condus în fiecare an universitar în medie 1 lucrare de licență și 1 de dizertație.

Conducător de doctorat din 2007 (Ordinul ministrului educației, cercetării și tineretului nr. 1.805/20.08.2007, anexa 1). Domeniul: Matematică. Școala Doctorală de Matematică și Informatică, Universitatea Babeș-Bolyai

Doctorand (2009-2012): Fericean Denisa - Gabriela; Titlul tezei de doctorat: *Tehnici de teoria potențialului și de teoria geometrică a funcțiilor în studiul unor probleme din mecanica fluidelor (Techniques of potential theory and geometric function theory in the study of some problems in fluid mechanics)*. Susținerea publică a tezei: 29 Noiembrie 2012, Universitatea Babeș-Bolyai.

Doctorand (2014-2019): Gutt Robert; Titlul tezei de doctorat: *Probleme cu valori pe frontieră mixte pentru sisteme neliniare din mecanica fluidelor și a mediilor poroase (Mixed boundary value problems for nonlinear systems in fluid mechanics and porous media)*; Susținerea publică a tezei: 31 Octombrie 2019, Universitatea Babeș-Bolyai.

Doctorand (2015-2022): Manu Andra (transfer în 2021 de la Prof. Univ. Dr. Gabriela Kohr); Titlul tezei de doctorat: *Contributions in the theory of univalent functions of one and several complex variables*. Susținerea publică a tezei: 16 Septembrie 2022, Universitatea Babeș-Bolyai.

Doctorand (2017-2024): Albișoru Florin; Titlul tezei de doctorat: *Contribuții în teoria problemelor eliptice cu valori pe frontieră și aplicații în mecanica fluidelor*. Susținerea publică a tezei: 13 Septembrie 2024, Universitatea Babeș-Bolyai.

Doctorand (2019-): Papuc Ioan; Titlul tezei de doctorat: *Contribuții în teoria matematică a mișcărilor fluide vâscoase*

Doctorand (2020-): Luca Eugenia; *Stokes and Hele-Shaw flow problems: Theoretical and Computational Approaches*

Doctorand (2021-): Grigoriuc Eduard Ștefan (transfer de la Prof. Univ. Dr. Gabriela Kohr): *Abordări moderne în teoria funcțiilor univalente în \mathbb{C} și \mathbb{C}^n*

Doctorand (2021-): Cristea Daria (transfer de la Prof. Univ. Dr. Gabriela Kohr): *Probleme extremale în teoria funcțiilor univalente în \mathbb{C} și \mathbb{C}^n*

Doctorand (2022-2025): Aron Mihai; Titlul tezei de doctorat: *Contribuții în teoria funcțiilor univalente și aplicații în mecanica fluidelor*

Doctorand (2023-2027): Anamaria Pastiu; Titlul tezei de doctorat: *Contribuții în teoria gometrică a funcțiilor în spații Banach complexe*

Doctorand (2023-2027): Andrei Gasparovici; Titlul tezei de doctorat: *Probleme cu valori pe frontieră pentru sisteme de tip Navier-Stokes anizotrope*

9. Membru în comitete de organizare sau științifice ale unor conferințe internaționale

- Am organizat (împreună cu G. Kohr) secțiunea *Geometric Function Theory* în cadrul Congresului Internațional ISAAC (International Congress of Analysis and Applications), Berlin 2001.
- Am participat la organizarea conferinței internaționale Romanian-Finish Seminar on Complex Analysis, Cluj-Napoca, August 2005.
- Am participat la organizarea conferinței International Conference on Complex Analysis dedicated on the 75th birthday of Professor Petru T. Mocanu, Cluj-Napoca, July 2006.
- Member in the Scientific Committee of the International Symposium on Geometric Function Theory and Applications (GFTA 2011), Cluj-Napoca, September 4-8, 2011
- Member in the Scientific Committee of the International Symposium on Geometric Function Theory and Applications (GFTA 2012), 27-31 August, 2012, Ohrid, Macedonia
- Member in the Organizing Committee of the ICAPM – 5th International Conference on Applications of Porous Media, August 25-28, 2013, Cluj-Napoca, Romania
- **Member in the Organizing Committee and in the Program Committee** of the 14th *International Conference on Integral Methods in Science and Engineering* (IMSE 2016), 25 - 29 July 2016, Padova, Italy
- Member in the Scientific Committee of the *First Romanian Itinerant Seminar on Mathematical Analysis and its Applications*, RISMAA-2018, Cluj-Napoca, April 20-21, 2018
- Member in the Scientific Committee of the *Second Romanian Itinerant Seminar on Mathematical Analysis and its Applications*, RISMAA-2019, Constanța, May 10-12, 2019
- **Organizer** (together with **Victor Nistor** (France) and **Mihai Putinar** (USA)) of the session *Integral Operators and Layer Potentials*, 9th Congress of Romanian Mathematicians, June 28-July 3, 2019, Galați, Romania.
- Member in the Scientific Committee of the *Third Romanian Itinerant Seminar on Mathematical Analysis and its Applications*, RISMAA-2020, Alba-Iulia, September 7-9, 2021; rescheduled (Covid-19): 10-12 September 2021
- Member in the Scientific Committee of the *Fourth Romanian Itinerant Seminar on Mathematical Analysis and its Applications*, Brașov, May 19-21, 2022
- **Member of the International Steering Committee** of the 16th *International Conference on Integral Methods in Science and Engineering* (IMSE 2020), 13 - 17 July 2020, St. Petesburg, Russia (new tentative dates 25-29 July 2022)
- **Organizer** (together with **Victor Nistor**, Metz, and **Pierre Bousquet**, Toulouse, France) of the special session *Analyse et Applications, XVeme colloque Franco-Roumain de mathématiques appliquées* (24-28 August 2020, Brașov, Romania, rescheduled), Toulouse, France, 29 August – 2 September 2022.
- **Main organizer of the Workshop dedicated to the memory of Professor Gabriela Kohr: Geometric Function Theory in Several Complex Variables and Complex Banach Spaces**
http://math.ubbcluj.ro/workshop_gk/
on the ZOOM platform, December 1-3, 2021, at the Faculty of Mathematics and Computer Science, Babeș-Bolyai University, Cluj-Napoca, Romania
- **Main organizer of the 2nd Workshop dedicated to the memory of Professor Gabriela Kohr: Geometric Function Theory in Several Complex Variables and Complex Banach Spaces**
http://math.ubbcluj.ro/workshop_gk/
on the ZOOM platform, December 1-3, 2022, at the Faculty of Mathematics and Computer Science, Babeș-Bolyai University, Cluj-Napoca, Romania
- Member in the Scientific Committee of the *Fifth Romanian Itinerant Seminar on Mathematical Analysis and its Applications*, Craiova, May 26-28, 2023.
- Organizer (together with Lucian Beznea, Cezar Joița, and Eugen Mihăilescu) of the session **Real and Complex Analysis, Potential Theory**, The Tenth Congress of Romanian Mathematicians, June 30 - July 5, 2023, Pitești, Romania.

- **Organizer** (together with **Victor Nistor** (Metz, France) of the session *Integral Operators and Applications*, 10th Congress of Romanian Mathematicians, June 30-July 5, 2023, Pitești, Romania.
- **Main organizer of the 3rd Workshop dedicated to the memory of Professor Gabriela Kohr: Geometric Function Theory in Several Complex Variables and Complex Banach Spaces**
http://math.ubbcluj.ro/workshop_gk/
 on the ZOOM platform, December 1-3, 2023, at the Faculty of Mathematics and Computer Science, Babeş-Bolyai University, Cluj-Napoca, Romania
- Member in the Scientific Committee of the *Sixth Romanian Itinerant Seminar on Mathematical Analysis and its Applications*, Cluj-Napoca, May 30-31, 2024.
- Member in the Scientific Committee of the conference *Aspect'24 "Asymptotic Analysis & Spectral Theory"*, September 23-27, 2024, Metz, France.

10. Membru în comitete de organizare sau științifice ale unor conferințe naționale

- Am participat la organizarea conferinței naționale a Societății de Științe Matematice din România, Cluj-Napoca, 1998.
- Am participat la organizarea conferinței naționale *Caius Iacob* de Mecanica Fluidelor, Cluj-Napoca, 1998.

11. Membru în comitetul de redacție sau referent la reviste ISI

Membru în comitetul de redacție al revistei *Studia* (Mathematica), Univ. Babeş-Bolyai, Cluj-Napoca (din 2010)
 Referent la: *Potential Analysis, Journal de Mathématiques Pures et Appliquées, Annali di Matematica Pura ed Applicata* (1923 -), *Bollettino dell'Unione Matematica Italiana, Journal of Engineering Mathematics, Journal of Mathematical Analysis and Applications, Analysis and Mathematical Physics, Mathematical Methods in the Applied Sciences, Complex Variables and Elliptic Equations, Results in Mathematics, Communications on Pure and Applied Analysis, ZAMM -Zeitschrift für Angewandte Mathematik und Mechanik, Engineering Analysis with Boundary Elements, International Journal for Numerical Methods in Fluids, Mathematical and Computer Modelling, Asymptotic Analysis, Arabian Journal for Science and Engineering, Rev. Roumaine Math. Pure Appl., Carpathian Journal of Mathematics, Numerical Algorithms, Fixed Point Theory, Applicable Analysis, Mathematische Nachrichten, Boundary Value Problems, Transport in Porous Media, Acta Applicandae Math., Chemical Engineering Science*

12. Membru în comitetul de redacție sau referent la reviste BDI

Membru în comitetul de redacție al revistei *Mathematica* (Cluj) (din 2016)
 Referent la: *International Journal of Applied Mechanics and Engineering, Journal of Inequalities in Pure and Applied Mathematics, International Journal of Physical Sciences, International Journal of Mathematics and Mathematical Sciences, Journal of Applied Mathematics, Mathematica (Cluj), Studia (Mathematica) Babeş-Bolyai University, Applications and Applied Mathematics: An International Journal (AAM)*
 Recenzent la *Mathematical Reviews* și *Zentralblatt für Mathematik* din 2000.

13. Membru în comitetul de redacție sau referent la reviste naționale

Membru în comitetul de redacție al revistei *Mathematica* (Cluj) (din 2016)
 Membru în comitetul de redacție al revistei *Studia* (Mathematica), Univ. Babeş-Bolyai, Cluj-Napoca (din 2010)
 Referent la: *Mathematica (Cluj), Studia (Mathematica) Babeş-Bolyai University, Carpathian Journal of Mathematics, Fixed Point Theory*

14. Editor de volume publicate în edituri internaționale

Editor of *Seminar on Mechanics*, Preprint 92(2), Babeş-Bolyai University, Cluj-Napoca, 1992.
 Editor of the special issue of *Studia* (Mathematica), Babeş-Bolyai University, No. 2, 2022, dedicated to the memory of *Professor Gabriela Kohr*.

15. Editor de volume publicate în edituri naționale –

16. Alte activități editoriale –

17. Articole publicate în reviste indexate ISI

1. I. Graham, H. Hamada, **G.Kohr, M. Kohr**, *Loewner PDE in Infinite Dimensions*, Computational Methods and Function Theory, <https://doi.org/10.1007/s40315-024-00536-5>, to appear, 2024.
2. **M. Kohr**, R. Precup, *Localization of energies in Navier-Stokes models with reaction terms*, Analysis and Applications, **22** (2024), 1053–1073, <https://doi.org/10.1142/S0219530524500118>.
3. **M. Kohr**, V. Nistor, W.L. Wendland, *The Stokes operator on manifolds with cylindrical ends*, Journal of Differential Equations, **407** (2024), 345–373, <https://doi.org/10.1016/j.jde.2024.06.017>.
4. H. Hamada, **G. Kohr, M. Kohr**, *Fekete-Szegő problem for univalent mappings in one and higher dimensions*, Journal of Mathematical Analysis and Applications, **516** (2022), no. 2, Paper No. 126526.
5. A.F. Albişoru, **M. Kohr**, I. Papuc, W.L. Wendland, *On some Robin-transmission problems for the Brinkman system and a Navier-Stokes type system*, Mathematical Methods in the Applied Sciences, DOI 10.1002/mma.10170, to appear, 2024.
6. **M. Kohr**, R. Precup, *Analysis of Navier-Stokes models for flows in bidisperse porous media*, Journal of Mathematical Fluid Mechanics, J. Math. Fluid Mech. (2023) **25**:38 doi.org/10.1007/s00021-023-00784-w.
7. I. Graham, H. Hamada, **G.Kohr, M. Kohr**, *g-Loewner chains, Bloch functions and extension operators into the family of locally biholomorphic mappings in infinite dimensional spaces*, Studia Univ. Babeş-Bolyai Math. **67**(2022), No. 2, 219-236.
8. **M. Kohr**, G. Şt. Sălăgean, *Professor Gabriela Kohr - a life for research. In memoriam*, Studia Univ. Babeş-Bolyai Math. **67**(2022), No. 2, 205-218.
9. H. Hamada, **G.Kohr, M. Kohr**, *Coefficient inequalities for biholomorphic mappings on the unit ball of a complex Banach space*, Mathematics 2022, **10**, 4832.
10. **M. Kohr**, S.E. Mikhailov, W.L. Wendland, *Non-homogeneous Dirichlet-transmission problems for the anisotropic Stokes and Navier-Stokes systems in Lipschitz domains with transversal interfaces*, Calculus of Variations and Partial Differential Equations, **61**:198 (2022), 47 pag., DOI: 10.1007/s00526-022-02279-4.
11. **M. Kohr**, S.E. Mikhailov, W.L. Wendland, *On some mixed-transmission problems for the anisotropic Stokes and Navier-Stokes systems in Lipschitz domains with transversal interfaces*, Journal of Mathematical Analysis and Applications, **516** (2022), no. 1, Paper No. 126464.
12. **M. Kohr**, S. Labrunie, H. Mohsen, V. Nistor, *Polynomial estimates for solutions of parametric elliptic equations on complete manifolds*, Studia Univ. Babeş-Bolyai Math. **67**(2022), No. 2, 369-382.
13. **M. Kohr**, V. Nistor, *Sobolev spaces and ∇ -differential operators on manifolds I: basic properties and weighted spaces*, Annals of Global Analysis and Geometry, **61** (2022), no. 4, 721–758.
14. H. Hamada, G. Kohr, **M. Kohr**, *The Fekete-Szegő problem for starlike mappings and nonlinear resolvents of the Carathéodory family on the unit balls of complex Banach spaces*, Analysis and Mathematical Physics, **11**:115 (2021), 1-22
15. **M. Kohr**, S.E. Mikhailov, W.L. Wendland, *Dirichlet and transmission problems for anisotropic Stokes and Navier-Stokes systems with L_∞ tensor coefficient under relaxed ellipticity condition*, Discrete and Continuous Dynamical Systems – Series A, **41** (2021), 4421-4460.
16. **M. Kohr**, S.E. Mikhailov, W.L. Wendland, *Layer potential theory for the anisotropic Stokes system with variable L_∞ symmetrically elliptic tensor coefficient*, Mathematical Methods in the Applied Sciences, **44** (2021), 9641–9674.
17. I. Graham, H. Hamada, G. Kohr, **M. Kohr**, *g-Loewner chains, Bloch functions and extension operators in complex Banach spaces*, Analysis and Mathematical Physics, **10**:5 (2020), 1-28, doi.org/10.1007/s13324-019-00352-4.
18. **M. Kohr**, S.E. Mikhailov, W.L. Wendland, *Potentials and transmission problems in weighted Sobolev spaces for anisotropic Stokes and Navier-Stokes systems with L_∞ strongly elliptic coefficient tensor*, Complex Variables and Elliptic Equations, **65** (2020), 109-140.
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vol.1, 255 pp. ISBN 973-595-077-4;
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Peste **250** de citări ale articolelor și cărților proprii. Dintre autorii care citează rezultatele proprii amintim: W. L. Wendland, V. Nistor, G. Kohr, I. Graham, H. Hamada, G. C. Hsiao, V. Maz'ya, V.A. Galaktionov, S.E. Mikhailov, R. Brown, I. Mitrea, M. Mitrea, P. Duren, M. Wright, Yu Qiao, D. Medková, W. Varnhorn, H. Power, R. Kress, S. Meyer, G. Mishuris, P. A. Krutitskii, M. Dalla Riva, F. Leydecker, M. Maischak, E.P. Stephan, Kian-Meng Lim, Hilong Li, J. Prakash, G.P. Raja Sekhar, M.K. Partha, P.V.S.N. Murthy, D. Choudhuri, H. H. Sherif, M. S. Faltas, E. I. Saad, S. A. Nazarov, A. Sequeira, M. Specovius-Neugebauer, J. H. Videman, K. Ito, Z. Qiao, B. Cichocki, M. L. Ekiel-Jeżewska, E.A. Ashmawy, M. Zabaranin, A. Cialdea, V. Leonessa, A. Malaspina, E.A. Ashmawy, E. Barta, G.N. Gatica, S. Meddahi, F. J. Sayas, L. R. Band, J. M. Oliver, S. L. Waters, D.S. Riley, J. J. Urrea, Jingang Xiong, Jiguang Bao, W. A. Barton, Z. Bao, T. Groșan, R. Trîmbițaș, I. Pop, D. Fericean, P. Liczberski, P. T. Mocanu, M. Cristea, F. Bracci, S. Schleißinger, M. D. Contreras, S. Diaz-Madriral, M. Abate, J. R. Muir, M. S. Liu, Yu-Can Zhu, Tai-Shun Liu, S. Feng, M. Elin, M. Iancu, T. Chirilă, etc.

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29. Participări la programe de cercetare finanțate din sursă internațională

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University of Toronto, Department of Mathematics, March-April 2000 (visiting professor), invited by Prof. I. Graham

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University of Toronto, Department of Mathematics, August 2003 (visiting professor), invited by Prof. I. Graham

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University of Toronto, Department of Mathematics, April-May 2005 (visiting professor), invited by Prof. I. Graham

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University of Stuttgart, Institute for Applied Analysis and Numerical Simulation, December 2006 (visiting professor), invited by Prof. W.L. Wendland.

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University of Toronto, Department of Mathematics, 18 August-4 Septembrie 2008 (research visit), invited by Prof. I. Graham

Free University of Berlin, Department of Mathematics, September 2008 (research visit), invited by Prof. H. Begehr

Institute for Applied Analysis and Numerical Simulation of the University of Stuttgart, December 2008 (research visit), invited by Professor W.L. Wendland

Universita degli Studi di Roma "Tor Vergata", Dipartimento di Matematica, March 16-20, 2009 (research visit; invited by Professor Filippo Bracci)

University of Toronto, Department of Mathematics, May 1 – May 30 2009 (research visit), invited by Prof. I. Graham

Institute for Applied Analysis and Numerical Simulation of the University of Stuttgart, July 2009 (research visit), invited by Professor W.L. Wendland

Institute for Applied Analysis and Numerical Simulation of the University of Stuttgart, August 2009 (research visit), invited by Professor W.L. Wendland

University of Toronto, Department of Mathematics, April 21 – May 20 2010 (research visit), invited by Prof. I. Graham

University of Padova, Department of Mathematics, June 19-25 2010 (research visit), invited by Prof. Massimo Lanza de Cristoforis

Institute for Applied Analysis and Numerical Simulation of the University of Stuttgart, July 1 – July 6 (research visit), invited by Professor W.L. Wendland

University of Toronto, Department of Mathematics, August 11-August 27, 2010 (research visit), invited by Prof. I. Graham

University of Toronto, Department of Mathematics, May 8-June 5, 2011, Visiting Professor (research visit), invited by Prof. I. Graham

University of Toronto, Department of Mathematics, April 23-May 14, 2012 (research visit), invited by Prof. I. Graham

Research visit to University of Padova, Department of Mathematics, June 18 - June 22 2012, invited by Prof. Massimo Lanza de Cristoforis

University of Toronto, Department of Mathematics, August 16 - August 29 2012, (research visit), invited by Prof. I. Graham

Research visit to the University of Padova, Department of Mathematics, November 8 - November 15 2012, invited by Prof. Massimo Lanza de Cristoforis

University of Toronto, Department of Mathematics, April 22 - May 13 2013, (research visit), invited by Prof. I. Graham

University of Toronto, Department of Mathematics, August 9 - August 24 2013, (research visit), invited by Prof. I. Graham

University of Wuerzburg, Department of Mathematics, November 11-November 16, 2013 (research visit), invited by Prof. Oliver Roth.

University of Toronto, Department of Mathematics, April 22 - May 13 2014 (research visit), invited by Prof. I. Graham

University of Toronto, Department of Mathematics, August 5 - August 21 2014 (research visit), invited by Prof. I. Graham

University of Toronto, Department of Mathematics, April 22 - May 14 2015 (research visit), invited by Prof. I. Graham

University of Toronto, Department of Mathematics, August 17 – August 29 2015 (research visit), invited by Prof. I. Graham

Brunel University London, Department of Mathematics, October 20 – October 30 2015 (research visit), invited by Prof. Sergey E. Mikhailov (supported by the Grant EP/M013545/1: "Mathematical Analysis of Boundary-Domain Integral Equations for Nonlinear PDEs" from the EPSRC, UK, Director Professor Sergey E. Mikhailov)

Brunel University London, Department of Mathematics, February 2 – February 13 2016 (research visit), invited by Prof. Sergey E. Mikhailov (supported by the Grant EP/M013545/1: "Mathematical Analysis of Boundary-Domain Integral Equations for Nonlinear PDEs" from the EPSRC, UK, Director Professor Sergey E. Mikhailov)

Brunel University London, Department of Mathematics, June 14 – June 18 2016 (research visit), invited by Prof. Sergey E. Mikhailov (partially supported by the Grant EP/M013545/1: "Mathematical Analysis of Boundary-Domain Integral Equations for Nonlinear PDEs" from the EPSRC, UK, Director Professor Sergey E. Mikhailov)

Brunel University London, Department of Mathematics, February 6 – February 19 2017 (research visit), invited by Prof. Sergey E. Mikhailov (supported by the Grant EP/M013545/1: "Mathematical Analysis of Boundary-Domain Integral Equations for Nonlinear PDEs" from the EPSRC, UK, Director Professor Sergey E. Mikhailov)

Brunel University London, Department of Mathematics, March 20 – March 27 2017 (research visit), invited by Prof. Sergey E. Mikhailov (supported by the Grant EP/M013545/1: "Mathematical Analysis of Boundary-Domain Integral Equations for Nonlinear PDEs" from the EPSRC, UK, Director Professor Sergey E. Mikhailov)

Brunel University London, Department of Mathematics, February 4 – February 14 2018 (research visit), invited by Prof. Sergey E. Mikhailov (supported by the Grant EP/M013545/1: "Mathematical Analysis of Boundary-Domain Integral Equations for Nonlinear PDEs" from the EPSRC, UK, Director Professor Sergey E. Mikhailov)

30. Participări la programe finanțate din sursă națională

Membru al următoarelor granturi:

Granturile Catedrei de Mecanică și Astronomie

Codul CNCSU: 16

Anul: 1995

Denumirea proiectului: METODE DE APROXIMARE ANALITICĂ ȘI NUMERICĂ ÎN HIDRODINAMICĂ ȘI TRANSFER DE CALDURĂ, Director de grant : Prof. dr. I. Pop

Codul CNCSU: 945

Anul: 1996

Denumirea proiectului: METODE DE APROXIMARE ANALITICĂ ȘI NUMERICĂ ÎN HIDRODINAMICĂ ȘI TRANSFER DE CALDURĂ, Director de grant : Prof. dr. I. Pop

Codul CNCSU: 302

Anul: 1997

Denumirea proiectului: METODE DE APROXIMARE ANALITICĂ ȘI NUMERICĂ ÎN HIDRODINAMICĂ ȘI TRANSFER DE CALDURĂ, Director de grant : Prof. dr. I. Pop

Codul CNCSU: 174

Anul: 1998

Denumirea proiectului: METODE ANALITICE ȘI NUMERICE ÎN MECANICA FLUIDELOR ȘI ÎN TEORIA SISTEMELOR DINAMICE, Director de grant : Prof. dr. I. Pop

COD CNCSU: 62

Anul: 1999, Tema nr. 103

Denumirea proiectului: METODE ANALITICE ASIMPTOTICE ȘI NUMERICE ÎN MECANICA FLUIDELOR, TEORIA TRANSFERULUI DE CĂLDURĂ, SISTEME DINAMICE ȘI TEORIA STABILITĂȚII, Director de grant : Prof. dr. I. Pop

Codul CNCSU: 262

Anul: 2000, Tema nr. 75

Denumirea proiectului: STUDIUL UNOR PROBLEME DIN MECANICA FLUIDELOR, TEORIA TRANSFERULUI DE CĂLDURĂ, SISTEMELOR DINAMICE ȘI TEORIA STABILITĂȚII, Director de grant : Prof. dr. I. Pop

Codul CNCSIS: 1059

Anul: 2001, Tema nr. 107

Denumirea proiectului: METODE ANALITICE ȘI NUMERICE ÎN MECANICA FLUIDELOR, TEORIA TRANSFERULUI DE CĂLDURĂ ȘI TEORIA SISTEMELOR DINAMICE CU APLICAȚII ÎN MECANICA CEREASCĂ

Codul CNCSIS: 51

Anul: 2002, Tema nr. 76

Denumirea proiectului: METODE ANALITICE ȘI NUMERICE ÎN MECANICA FLUIDELOR, TEORIA TRANSFERULUI DE CĂLDURĂ ȘI TEORIA SISTEMELOR DINAMICE CU APLICAȚII ÎN MECANICA CEREASCĂ, Director de grant : Prof. dr. I. Pop

Codul CNCSIS: 139

Anul: 2003, Tema nr: 58

Denumirea proiectului: METODE ANALITICE ȘI NUMERICE ÎN MECANICA FLUIDELOR, TEORIA TRANSFERULUI DE CĂLDURĂ ȘI TEORIA SISTEMELOR DINAMICE CU APLICAȚII ÎN MECANICA CEREASCĂ

Codul CNCSIS: 324

Anul: 2004, Tema nr. 41

Denumirea proiectului: MODELĂRI ANALITICE ȘI NUMERICE ÎN MECANICA FLUIDELOR, TEORIA TRANSFERULUI DE CĂLDURĂ CU APLICAȚII ÎN MECANICA CEREASCĂ, Director de grant : Prof. dr. I. Pop

Codul CNCSIS: 324

Anul: 2005, Tema nr. 61

Denumirea proiectului: MODELĂRI ANALITICE ȘI NUMERICE ÎN MECANICA FLUIDELOR, TEORIA TRANSFERULUI DE CĂLDURĂ CU APLICAȚII ÎN MECANICA CEREASCĂ, Director de grant : Prof. dr. I. Pop

Granturile Catedrei de Teoria Funcțiilor

Grant nr. 5010/1996, tema 950, cod CNCSU 350, cod program A17.2 : TEORIA GEOMETRICĂ A FUNCȚIILOR DE UNA SAU MAI MULTE VARIABLE COMPLEXE. Director de grant : Prof. dr. P.T. Mocanu

Grant nr. 7010/1997, tema 77/300: TEORIA GEOMETRICĂ A FUNCȚIILOR DE UNA SAU MAI MULTE VARIABLE COMPLEXE. Director de grant : Prof. dr. P.T. Mocanu

Grant nr. 16/1998, cod CNCSU 171, tema 50: INEGALITĂȚI ȘI SUBORDONĂRI DIFERENȚIALE. OPERATORI INTEGRALI, CONVEXITATE ȘI STELARITATE. APLICAȚII. Director de grant : Prof. dr. P.T. Mocanu

Cod CNCSIS 63, tema 19, an 1999: INEGALITĂȚI ȘI SUBORDONĂRI DIFERENȚIALE. OPERATORI INTEGRALI, CONVEXITATE ȘI STELARITATE. APLICAȚII. Director de grant : Prof. dr. P.T. Mocanu

Cod CNCSIS 310, tema 86, an 2000: INEGALITĂȚI ȘI SUBORDONĂRI DIFERENȚIALE. OPERATORI INTEGRALI, CONVEXITATE ȘI STELARITATE. APLICAȚII. Director de grant : Prof. dr. P.T. Mocanu

Grant tip A cod CNCSIS **1472** (2007-2008): **PROBLEME MODERNE ÎN TEORIA FUNCȚIILOR UNIVALENTE DE UNA ȘI MAI MULTE VARIABLE COMPLEXE. APLICAȚII.** Director de grant: Prof. dr. Gabriela Kohr

Grant CNCSIS PN-II-ID cod **524** (2007-2010): **LANȚURI LOEWNER ȘI SUBORDONĂRI DIFERENȚIALE PENTRU FUNCȚII DE UNA ȘI MAI MULTE VARIABLE COMPLEXE. EXTINDERI CVASICONFORME ȘI APLICAȚII ÎN MECANICA FLUIDELOR.** Director de grant: Prof. dr. Gabriela Kohr

Grant PN-II-ID-PCE-2011-3-0899 (2011-2016): **Geometric and analytic aspects of biholomorphic mappings in C^n and complex Banach spaces.** Director de grant: Prof. dr. Gabriela Kohr

31. Coordonări de programe finanțate din sursă internațională

Visiting Researcher within the grant EP/M013545/1 (2015-2018): "*Mathematical Analysis of Boundary-Domain Integral Equations for Nonlinear PDEs*" from the EPSRC, UK. **Director Professor Sergey E. Mikhailov**, Brunel University London (UK)

32. Coordonări de programe finanțate din sursă națională

Director al următoarelor granturi de cercetare

I. Grant de tip AT (2001-2002): **METODE MATEMATICE ÎN MECANICA FLUIDELOR VÂSCOASE ȘI MECANICA CEREASCĂ**

Cod CNCSIS **190** Tema **7/2001**: Modele matematice în mecanica fluidelor vâscoase. Aplicații

Valoare fază (unică): 24.000 mii lei

Cod CNCSIS **7** Tema **27/2002**: Metode analitice și numerice în mecanica fluidelor vâscoase

Valoare fază (unică): 30.000 mii lei

II. Grant tip A cod CNCSIS **336** (2004-2006): **MODELE MATEMATICE ÎN MECANICA FLUIDELOR VÂSCOASE, TEORIA TRANSFERULUI DE CĂLDURĂ ȘI MECANICA CEREASCĂ. APLICAȚII**

Tema **28/2004**: Probleme de mișcare și strat limită studiate prin metode integrale pe frontieră

Valoare fază (unică): 95000 mii lei

Tema **42/2005**: Metode numerice și aproximative în studiul unor probleme din mecanica fluidelor

vâscoase, teoria stratului limită și dinamica spațială

Valoare fază (unică): 11730 RON

Tema **33/2006**: Valoare fază (unică): 14720 RON

III. Grant tip A cod CNCSIS **1470** (2007-2008): **PROBLEME MODERNE DE MIȘCARE ȘI TRANSFER DE CĂLDURĂ ÎN FLUIDE VÂSCOASE ȘI MEDII POROASE. APLICAȚII**

Tema **6/2007**: Valoare fază (unică): 41400 RON

Tema **33/2008**: Valoare fază (unică): 45425 RON

IV. Grant UEFISCSU-CNCSIS PN-II-ID cod **525** (2007-2010): **STUDIUL UNOR MIȘCĂRI FLUIDE VÂSCOASE ÎN MEDII POROASE CU APLICAȚII ÎN BIOLOGIE ȘI MEDICINĂ**

Valoare totală: 160665,30 RON

V. Grant PN-II-ID-PCE-2011-3-0994 (2011-2016): **Probleme cu Valori pe Frontieră pentru Sisteme Eliptice pe Domenii Nenetede cu Aplicații în Mecanica Fluidelor (BOUNDARY VALUE PROBLEMS FOR ELLIPTIC SYSTEMS ON NON-SMOOTH DOMAINS WITH APPLICATIONS IN FLUID MECHANICS)**

Valoare totală: 467599 lei

VI. Grant GSCE-30259/22.01.2015 pentru susținerea cercetării de excepție, 2015 (perioada de derulare 23.01.2015 – 22.01.2016), Universitatea Babeș-Bolyai: **Analiza unor probleme neliniare cu valori pe frontieră. O abordare din perspectiva teoriei potențialului**

Valoare totală: 5000 lei

VII. Granturi: AGC35124/31.10.2018, AGC35125/31.10.2018, AGC35126/31.10.2018, AGC35127/31.10.2018 pentru susținerea competitivității în cercetare în Universitatea Babeș-Bolyai (perioada de derulare 1.10.2018 – 30.09.2019).

VIII. Granturi: AGC33670/25.09.2019, AGC33549/19.09.2019 pentru susținerea competitivității în cercetare în Universitatea Babeș-Bolyai (perioada de derulare 1.10.2019 – 30.09.2020).

IX. Granturi: AGC33651/21.07.2022, AGC33652/21.07.2022, AGC33653/21.07.2022, AGC33654/21.07.2022, AGC33655/21.07.2022, AGC33656/21.07.2022.

X. Granturi: AGC32703/09.06.2023, AGC32704/09.06.2023, AGC32705/09.06.2023, AGC32706/09.06.2023.

XI. Granturi: AGC32187/14.05.2024

Grant PN-III-P4-PCE-2021-0993, cod PCE 69/2022 (membru).

33. Vizite didactice și de cercetare internaționale

Free University of Berlin, Department of Mathematics, June 1996, invited by Prof. H. Begehr;
Wuerzburg University, Department of Mathematics, June 1996, invited by Prof. S. Ruscheweyh

International Banach Center, Warsaw, April 1997, invited by Prof. J. Lawrynowicz

Tokyo Denki University, Department of Mathematics, Tokyo, Japan, March-April 1999 (visiting professor), invited by Prof. K. Tsurumi

University of Toronto, Department of Mathematics, July-August 1999 (visiting professor), invited by Prof. I. Graham

University of Toronto, Department of Mathematics, March-April 2000 (visiting professor), invited by Prof. I. Graham

University of Toronto, Department of Mathematics, April-May 2001 (visiting professor), invited by Prof. I. Graham

University of Toronto, Department of Mathematics, May 2002 (visiting professor), invited by Prof. I. Graham

University of Toronto, Department of Mathematics, August 2003 (visiting professor), invited by Prof. I. Graham

University of Toronto, Department of Mathematics, April-May 2004 (visiting professor), invited by Prof. I. Graham

University of Toronto, Department of Mathematics, April-May 2005 (visiting professor), invited by Prof. I. Graham

University of Stuttgart, Institute for Applied Analysis and Numerical Simulation, November 2005 (visiting professor), invited by Prof. W.L. Wendland.

University of Toronto, Department of Mathematics, August 2006 (visiting professor), invited by Prof. I. Graham

University of Stuttgart, Institute for Applied Analysis and Numerical Simulation, December 2006 (visiting professor), invited by Prof. W.L. Wendland.

University of Toronto, Department of Mathematics, April-May 2007 (visiting professor), invited by Prof. I. Graham

University of Stuttgart, Institute for Applied Analysis and Numerical Simulation, March 2008 (visiting professor), invited by Professor W.L. Wendland.

University of Toronto, Department of Mathematics, 29 April- 27 May 2008 (research visit), invited by Prof. I. Graham

University of Toronto, Department of Mathematics, 18 August-4 Septembrie 2008 (research visit), invited by Prof. I. Graham

Free University of Berlin, Department of Mathematics, September 2008 (research visit), invited by Prof. H. Begehr

Institute for Applied Analysis and Numerical Simulation of the University of Stuttgart, December 2008 (research visit), invited by Professor W.L. Wendland

Universita degli Studi di Roma "Tor Vergata", Dipartimento di Matematica, March 16-20, 2009 (research visit; invited by Professor Filippo Bracci)

University of Toronto, Department of Mathematics, May 1 – May 30 2009 (research visit), invited by Prof. I. Graham

Institute for Applied Analysis and Numerical Simulation of the University of Stuttgart, July 2009 (research visit), invited by Professor W.L. Wendland
Institute for Applied Analysis and Numerical Simulation of the University of Stuttgart, August 2009 (research visit), invited by Professor W.L. Wendland
University of Toronto, Department of Mathematics, April 21 – May 20 2010 (research visit), invited by Prof. I. Graham

University of Padova, Department of Mathematics, June 19-25 2010 (research visit), invited by Prof. Massimo Lanza de Cristoforis

Institute for Applied Analysis and Numerical Simulation of the University of Stuttgart, July 1 – July 6, 2010 (research visit), invited by Professor W.L. Wendland

University of Toronto, Department of Mathematics, August 11-August 27, 2010 (research visit), invited by Prof. I. Graham
University of Toronto, Department of Mathematics, May 8-June 5, 2011, Visiting Professor (research visit), invited by Prof. I. Graham

University of Toronto, Department of Mathematics, April 23-May 14, 2012 (research visit), invited by Prof. I. Graham
Research visit to University of Padova, Department of Mathematics, June 18 - June 22 2012, invited by Prof. Massimo Lanza de Cristoforis

University of Toronto, Department of Mathematics, August 16 - August 29 2012, (research visit), invited by Prof. I. Graham
Research visit to the University of Padova, Department of Mathematics, November 8 - November 15 2012, invited by Prof. Massimo Lanza de Cristoforis

University of Toronto, Department of Mathematics, April 22 - May 13 2013, (research visit), invited by Prof. I. Graham

University of Toronto, Department of Mathematics, August 9 - August 24 2013, (research visit), invited by Prof. I. Graham

University of Wuerzburg, Department of Mathematics, November 11-November 16, 2013 (research visit), invited by Prof. Oliver Roth.

University of Toronto, Department of Mathematics, April 22 - May 13 2014 (research visit), invited by Prof. I. Graham

Research visit to the University of Padova, Department of Mathematics, June 23 – June 27 2014, invited by Prof. Massimo Lanza de Cristoforis
University of Toronto, Department of Mathematics, August 5 - August 21 2014 (research visit), invited by Prof. I. Graham

University of Toronto, Department of Mathematics, April 22 - May 14 2015 (research visit), invited by Prof. I. Graham

University of Stuttgart and University of Wuerzburg, May 28 – May 31 2015 (research visit), invited by Prof. W.L. Wendland and Prof. O. Roth

University of Padova, Department of Mathematics, June 21 – June 24 2015 (research visit), invited by Prof. Massimo Lanza de Cristoforis

University of Toronto, Department of Mathematics, August 17 – August 29 2015 (research visit), invited by Prof. I. Graham

University of Padova, Department of Mathematics, August 30 – September 2 2015 (research visit), invited by Prof. Massimo Lanza de Cristoforis

Brunel University London, Department of Mathematics, October 20 – October 30 2015 (research visit), invited by Prof. Sergey E. Mikhailov (supported by the Grant EP/M013545/1: "Mathematical Analysis of Boundary-Domain Integral Equations for Nonlinear PDEs" from the EPSRC, UK, Director Professor Sergey E. Mikhailov)

Brunel University London, Department of Mathematics, February 2 – February 13 2016 (research visit), invited by Prof. Sergey E. Mikhailov (supported by the Grant EP/M013545/1: "Mathematical Analysis of Boundary-Domain Integral Equations for Nonlinear PDEs" from the EPSRC, UK, Director Professor Sergey E. Mikhailov)

University of Toronto, Department of Mathematics, April 22 - May 11 2016 (research visit), invited by Prof. I. Graham

Brunel University London, Department of Mathematics, June 14 – June 18 2016 (research visit), invited by Prof. Sergey E. Mikhailov (partially supported by the Grant EP/M013545/1: "Mathematical Analysis of Boundary-Domain Integral Equations for Nonlinear PDEs" from the EPSRC, UK, Director Professor Sergey E. Mikhailov)

University of Padova, Department of Mathematics, July 25 – August 4 2016 (research visit), invited by Prof. Massimo Lanza de Cristoforis

University of Toronto, Department of Mathematics, August 13 – August 26 2016 (research visit), invited by Prof. I. Graham

University of Padova, Department of Mathematics, November 27 2016 – December 3 2016 (research visit), invited by Prof. Massimo Lanza de Cristoforis

Brunel University London, Department of Mathematics, February 6 – February 19 2017 (research visit), invited by Prof. Sergey E. Mikhailov (supported by the Grant EP/M013545/1: "Mathematical Analysis of Boundary-Domain Integral Equations for Nonlinear PDEs" from the EPSRC, UK, Director Professor Sergey E. Mikhailov)

Brunel University London, Department of Mathematics, March 20 – March 27 2017 (research visit), invited by Prof. Sergey E. Mikhailov (supported by the Grant EP/M013545/1: "Mathematical Analysis of Boundary-Domain Integral Equations for Nonlinear PDEs" from the EPSRC, UK, Director Professor Sergey E. Mikhailov)

University of Toronto, Department of Mathematics, April 25 – May 13 2017 (research visit), invited by Prof. I. Graham

University of Padova, Department of Mathematics, June 11 2017 – June 17 2017 (research visit), invited by Prof. Massimo Lanza de Cristoforis

University of Toronto, Department of Mathematics, August 1 – August 15 2017 (research visit), invited by Prof. I. Graham

University of Padova, Department of Mathematics, September 11 2017 – September 17 2017 (research visit), invited by Prof. Massimo Lanza de Cristoforis

Brunel University London, Department of Mathematics, February 4 – February 14 2018 (research visit), invited by Prof. Sergey E. Mikhailov (supported by the Grant EP/M013545/1: "Mathematical Analysis of Boundary-Domain Integral Equations for Nonlinear PDEs" from the EPSRC, UK, Director Professor Sergey E. Mikhailov)

University of Toronto, Department of Mathematics, April 27 – May 16 2018 (research visit), invited by Prof. I. Graham

University of Padova, Department of Mathematics, July 6 2018 – July 13 2018 (research visit), invited by Prof. Massimo Lanza de Cristoforis

Brunel University London, Department of Mathematics, August 8 – August 18 2018 (research visit), invited by Prof. Sergey E. Mikhailov (partially supported by the Grant EP/M013545/1: "Mathematical Analysis of Boundary-Domain Integral Equations for Nonlinear PDEs" from the EPSRC, UK, Director Professor Sergey E. Mikhailov)

Department of Mathematics, School of Science, Tokyo Institute of Technology, Japan, September 2 - 4, 2018 (research visit), invited by Prof. Tomoki Kawahira

University of Padova, Department of Mathematics, September 10 2018 – September 20 2018 (research visit), invited by Prof. Massimo Lanza de Cristoforis

Brunel University London, Department of Mathematics, February 11 – February 21 2019 (research visit), invited by Prof. Sergey E. Mikhailov

University of Toronto, Department of Mathematics, May 7 – May 28 2019 (research visit)

Brunel University London, Department of Mathematics, August 7 – August 23 2019 (research visit), invited by Prof. Sergey E. Mikhailov

Brunel University London, Department of Mathematics, February 2 – February 15 2020 (research visit), invited by Prof. Sergey E. Mikhailov

University of Padova, Department of Mathematics August 23 2021 – August 31 2021 (research visit), invited by Prof. Massimo Lanza de Cristoforis

University of Padova, Department of Mathematics April 26 2022 - May 03 2022 (research visit), invited by Prof. Massimo Lanza de Cristoforis

University of Padova, Department of Mathematics July 30 2022 - August 06 2022 (research visit), invited by Prof. Massimo Lanza de Cristoforis

University of Padova, Department of Mathematics February 12 2023 - February 19 2023 (research visit), invited by Prof. Massimo Lanza de Cristoforis

University of Padova, Department of Mathematics June 19 2023 - June 23 2023 (research visit), invited by Prof. Massimo Lanza de Cristoforis

University of Padova, Department of Mathematics February 14 2024 - February 21 2024 (research visit), invited by Prof. Massimo Lanza de Cristoforis

University of Padova, Department of Mathematics June 20 2024 - June 29 2024 (research visit), invited by Prof. Massimo Lanza de Cristoforis

Université de Lorraine – Metz, Institut Elie Cartan de Lorraine, September 22 2024 – October 18 2024 (research visit), invited by Prof. Victor Nistor

34. Conferințe și seminarii invitate internaționale

1. Boundary Elements – Theory and Applications BETA 2007 Hannover, May 22-24, **invited talk:**
M. Kohr, W.L. Wendland, *Boundary integral equations for a three-dimensional Brinkman flow problem*
2. ICIAM 07 (6th International Congress of Industrial and Applied Mathematics), Zurich, 16 July- 20 July 2007;
Invited lecture: M. Kohr, *Boundary- integral method for Stokes flow past porous bodies*
3. International Conference on Theory and Applications in Mathematics and Informatics (ICTAMI), Alba-Iulia, 30 August - 2 September, 2007; **Invited speaker:** M. Kohr, W. Wendland, *Boundary integral equations for a*

Brinkman flow problem

4. M. Kohr, *Boundary value problems for the Stokes resolvent equations in bounded and exterior domains in \mathbf{R}^n* , **seminar talk**; Institut für Angewandte Analysis und Numerische Simulation, Stuttgart University, Germany, November 03, 2005
5. M. Kohr, *Stokes flow past a porous body*, **seminar talk**; Institut für Angewandte Analysis und Numerische Simulation, Stuttgart University, Germany, 14 December 2006
6. M. Kohr, *Applications of potential theory to the study of some boundary value problems for Stokes and Brinkman Equations*, **seminar talk**; Department of Mathematics, University of Toronto, 20 May 2008
7. 2008 One and Several Complex Variables Conference, Lexington (Kentucky, USA), 8-11 May 2008; **Invited talk: M. Kohr, G. Kohr**, *Spirallikeness and asymptotic spirallikeness in several complex variables*
8. M. Kohr, *Applications of potential theory to the study of some boundary value problems for Stokes and Brinkman Equations*, **seminar talk**; Department of Mathematics, University of Toronto, 20 May 2008
9. M. Kohr, *Boundary integral method for Stokes flow past porous bodies*, **seminar talk**; Department of Mathematics, Free University of Berlin, October 1, 2008.
10. M. Kohr, *Applications of potential theory to transmission problems for Brinkman operators on Lipschitz domains in Riemannian manifolds*, **seminar talk**; Department of Mathematics, University of Toronto, May 2009
11. International Conference on Microfluidics and Complex Flows ECM 09, Tunis, November 5-6, 2009, **Invited speaker (plenary lecture): M. Kohr**, *Transmission problems for Stokes and Brinkman operators on arbitrary Lipschitz domains. Applications to porous media flow problems*
12. Mini-courses in Mathematical Analysis 2010, Padova, June 21-25; **Invited talk: M. Kohr**, *Boundary value problems for Brinkman operators on Lipschitz domains. Applications*
13. Workshop on Interfaces in Multiphase Flow, Stuttgart, July 1st - July 2nd, 2010; **Invited speaker (plenary lecture): M. Kohr**, *Boundary value problems for Brinkman operators on Lipschitz domains – Applications*
14. NTHCA10 New Trends in Harmonic and Complex Analysis, June 29 - July 3, 2010, Bremen, Germany; **Invited talk: M. Kohr**, *Boundary value problems for Brinkman operators on Lipschitz domains. Applications*
15. Mini-courses in Mathematical Analysis 2011, Padova, June 13-17, 2011; **Invited talk: M. Kohr**, *Potential analysis for some pseudodifferential matrix type operators in Lipschitz domains on Riemannian manifolds*
16. International Conference on Theory and Applications in Mathematics and Informatics (ICTAMI 2011), July 21-24, 2011, Alba-Iulia; **Invited parallel sections lecture: M. Kohr**, *Transmission problems for pseudodifferential Brinkman operators on Lipschitz domains in compact Riemannian manifolds*
17. International Symposium on Geometric Function Theory and Applications (GFTA 2011), Cluj-Napoca, September 4-8, 2011; **Invited speaker: M. Kohr**, *Potential analysis for elliptic boundary value problems in compact Riemannian manifolds*
18. International SimTech Symposium Partial Differential Equations: Theory, Applications, Simulations, University of Stuttgart, October 6 - 7, 2011; **Invited speaker: M. Kohr**, *Potential analysis for transmission problems associated to some pseudodifferential matrix operators in arbitrary Lipschitz domains*
19. Harmonic and Complex Analysis and its Applications, Puerto de la Cruz, Tenerife, Canary Islands, Spain, March 5 - 9, 2012; **Invited parallel section lecture: M. Kohr**, *Potential analysis for elliptic boundary value problems on Lipschitz domains in Riemannian manifolds*
20. Mini-courses in Mathematical Analysis 2012, Padova, June 18-12, 2012; **Invited talk: M. Kohr**, *Potential analysis for elliptic boundary value problems on Lipschitz domains*
21. International Conference on Complex Analysis and Related Topics. The 13th Romanian-Finnish Seminar, June

- 26-30, 2012, Ploiești (Romania); **lecture: M. Kohr**, *Potential analysis for elliptic boundary value problems on Lipschitz domains*
22. Tenth Advanced Course in Operator Theory and Complex Analysis, Sevilla, June 9th -13th, 2013; **talk: M. Kohr**, *Poisson problems for semilinear elliptic systems in Lipschitz domains*
 23. 9th International ISAAC Congress, Krakow, August 5-9, 2013; **lecture: M. Kohr**, *Poisson problems for semilinear Brinkman systems in Lipschitz domains*
 24. 5th International Conference on Application of Porous Media, Cluj-Napoca, August 25-28, 2013; **Plenary speaker M. Kohr**, *Poisson problems for semilinear elliptic systems on Lipschitz domains. Applications*
 25. 9th International Symposium on Geometric Function Theory and Applications, Işık University, Istanbul (Turkey), August 26-30, 2013; **lecture: M. Kohr**, *Poisson problems for semilinear elliptic systems in Lipschitz domains. Applications*
 26. Mini-courses in Mathematical Analysis 2014, Padova, June 23-27, 2014; **Invited talk: M. Kohr**, *Boundary value problems of Robin-transmission type for the nonlinear Darcy-Forchheimer-Brinkman and Navier-Stokes systems. Applications*
 27. 25th International Workshop of Operator Theory and its Applications (IWOTA 2014), Amsterdam, July 14-18, 2014; **Invited talk** in the Section *Partial differential operators and potential method* (organized by Roland Duduchava and Vladimir Rabinovich): **M. Kohr**, *Boundary value problems of Robin-transmission type for the nonlinear Darcy-Forchheimer-Brinkman and Navier-Stokes systems. Applications*
 28. 10th International Symposium on Geometric Function Theory and Applications, Oradea, August 25-28, 2014; contributed talk: **M. Kohr**, *Boundary value problems of Robin-transmission type for some nonlinear elliptic systems in Lipschitz domains*
 29. **Seminar talk**, Institute for Applied Analysis and Numerical Simulation, Stuttgart University, May 28, 2015; **M. Kohr**, *Transmission problems for the Navier-Stokes and Darcy-Forchheimer-Brinkman systems in weighted Sobolev spaces on exterior Lipschitz domains in \mathbf{R}^3* ;
 30. Mini-courses in Mathematical Analysis 2015, Padova, June 22-26, 2015; **Invited talk: M. Kohr**, *Boundary value problems of transmission type for the Stokes and Darcy-Forchheimer-Brinkman systems in weighted Sobolev spaces on Lipschitz domains in \mathbf{R}^3*
 31. The Eighth Congress of Romanian Mathematicians, June 26 - July 1, 2015, Iași, **Invited talk** in the section *Mechanics, Numerical Analysis, Mathematical Models in Science*; **M. Kohr**, *Boundary value problems of transmission type for the Navier-Stokes and Darcy-Forchheimer-Brinkman systems in weighted Sobolev spaces*
 32. Tenth UK Conference on Boundary Integral Methods (UKBIM 2015), 13-14 July 2015, Brighton, UK; **communication: M. Kohr**, *Transmission problems for the Stokes and Darcy-Forchheimer-Brinkman systems in weighted Sobolev spaces on Lipschitz domains*
 33. International Conference on Nonlinear Operators, Differential Equations and Applications (ICNODEA), July 14-17, 2015, Cluj-Napoca, Romania; **Invited speaker: M. Kohr**, *Transmission problems for the Navier-Stokes and Darcy-Forchheimer-Brinkman systems in weighted Sobolev spaces on Lipschitz domains*
 34. Mathematics of Finite Elements and Applications (MAFELAP 2016), Brunel University London, UK, June 14 - 17, 2016; **Invited speaker** in the mini-symposium *Boundary-Domain Integral Equations* organised by Sergey Mikhailov and David Natroshvili; **M. Kohr**, *Boundary value problems for a nonlinear Brinkman system with variable coefficients in Sobolev and Besov spaces on Lipschitz domains*
 35. International Conference on Complex Analysis and Related Topics. The 14th Romanian-Finnish Seminar, June 20 – 24, 2016, Bucharest, Romania; **M. Kohr**, *Boundary value problems for nonlinear Brinkman systems in Lipschitz domains* (contributed talk)

36. The 11th AIMS Conference on Dynamical Systems, Differential Equations and Applications, Orlando, Florida, USA, July 1-5, 2016; **Invited speaker** in the special session "Theory and applications of boundary-domain integral and pseudodifferential operators" organized by Prof. Sergey E. Mikhailov; **M. Kohr**, *Boundary value problems for nonlinear Brinkman and Navier-Stokes equations with variable coefficients in Lipschitz domains*
37. 14th International Conference on Integral Methods in Science and Engineering (IMSE 2016), 25 - 29 July 2016, Padova, Italy; **M. Kohr**, *Boundary value problems for nonlinear Brinkman systems in Lipschitz domains* (conference talk); **Member in the Organizing Committee and in the Program Committee**
38. 13^{ème} Colloque Franco-Roumain en Mathématiques Appliquées, 25-29 August, Iași, 2016; **Plenary speaker: M. Kohr**, *Boundary value problems for nonlinear Brinkman and Navier-Stokes equations with variable coefficients in Lipschitz domains*
39. International Conference on Complex Dynamics: Iterations, Foliations and Evolutions, Oslo (Norway), June 19 - 23, 2017; **G. Kohr**, joint lecture with **M. Kohr**
40. 11th Congress of International Society for Analysis, its Applications and Computations (ISAAC), Växjö, Sweden, August 14-18, 2017; **Invited talk** in the Session "Theory and Applications of Boundary-Domain Integral and Pseudodifferential Operators" organised by Sergey E. Mikhailov and David Natroshvili; **M. Kohr**, *Boundary-domain integral equations for variable coefficient Brinkman systems on Lipschitz domains*
41. XIXth International Conference on Analytic Functions and Related Topics (AF&RT'18), Rzeszów (Poland), 25–29 June 2018; **Invited speaker: M. Kohr**, *Boundary value problems for nonlinear Brinkman systems in Lipschitz domains*
42. 15th International Conference on Integral Methods in Science and Engineering (IMSE 2018), 16 - 20 July 2018, Brighton, UK; **Invited talk** in the mini-symposium "Boundary-Domain Integral Equations" organised by Sergey E. Mikhailov; **M. Kohr**, *Layer potentials and Poisson problems for the Stokes system with nonsmooth coefficients in Sobolev and Besov spaces*
43. International Workshop on Conformal Dynamics and Loewner Theory, 5-7 September 2018, Tohoku University, Sendai (Japan); **Plenary speaker: M. Kohr**, *Layer potentials and Poisson problems for elliptic systems in Lipschitz domains. Applications*
44. Conference on Analytic Low-Dimensional Dynamics: a celebration of Misha Lyubich's 60th birthday, May 27 - June 7, 2019, The Fields Institute for Research in Mathematical Sciences, Toronto (Canada); **invited**.
45. 9th Congress of Romanian Mathematicians, June 28-July 3, 2019, Galați, Romania; Co-organizer (together with **Victor Nistor**, France, and **Mihai Putinar**, USA) of the Special Session *Integral Operators and Layer Potentials*; **Invited speaker** in the same session: **M. Kohr**, *Layer potentials and boundary value problems for the Stokes system with L^∞ -coefficients*
46. 12th International ISAAC Congress, University of Aveiro, Aveiro, Portugal, July 29 – August 2, 2019; **Invited talk** in the Session *Theory and Applications of Boundary-Domain Integral and Pseudodifferential Operators* organised by Sergey E. Mikhailov and David Natroshvili; **M. Kohr**, *Layer potentials and exterior boundary problems in weighted Sobolev spaces for the Stokes system with L^∞ elliptic coefficient tensor*
47. International Workshop on Harmonic Analysis and Operator Theory, 26--29 August 2019, Istanbul; Contributed speaker, **M. Kohr**, *Layer potentials and boundary value problems for the Stokes system with L^∞ coefficients*
48. Online Mini-courses in Mathematical Analysis 2020, 14 – 17 September 2020, Padova
49. **Fields Program on Analytic Function Spaces: Mini-course and Workshop on Dirichlet Spaces, July 13-16, 2021, The Fields Institute (Toronto): G. Kohr, M. Kohr**, *Extremal results, approximation properties, and*

- related problems associated with the Loewner differential equation in \mathbf{C}^n* , Contributed talk.
<http://www.fields.utoronto.ca/talks/Contributed-Talk-Extremal-results-approximation-properties-and-related-problems-associated>
50. 13th International ISAAC Congress, Ghent University, Belgium, August 2 – August 6, 2021; **Invited talk** in the Session *Complex Variables and Potential Theory*, organizers: Tahir Aliyev Azeroglu, Massimo Lanza de Cristoforis, Anatoly Golberg, Sergey Plaksa: **G. Kohr, M. Kohr**, Extremal results and related problems associated with the Loewner differential equation in \mathbf{C}^n .
 51. 16th International Symposium on Geometric Function Theory and Applications (GFTA 2021), *Dedicated to the memory of Professor Gabriela Kohr*, 15-18 October 2021, Sibiu, Romania; **Invited speaker**.
 52. 19th Söllerhaus Workshop Fast Boundary Element Methods in Industrial Applications dedicated to the 85th birthday of Professor Wolfgang L. Wendland, 17-20.10.2021, Söllerhaus (Kleinwalsertal), Austria: **M. Kohr**, Layer potentials for the anisotropic Stokes system and applications (**Invited talk**).
 53. **Workshop dedicated to the memory of Professor Gabriela Kohr:**
Geometric Function Theory in Several Complex Variables and Complex Banach Spaces
http://math.ubbcluj.ro/workshop_gk/
 on the ZOOM platform (the link will be sent by email), December 1-3, 2021, at the Faculty of Mathematics and Computer Science, Babeş-Bolyai University, Cluj-Napoca, Romania; **Main organizer**.
 54. XVeme colloque Franco-Roumain de mathématiques appliquées, 29 August – 2 September 2022, Toulouse, France, **organizer** (together with **Victor Nistor**, Metz, and **Pierre Bousquet**, Toulouse, France) of the special session *Analyse et Applications*.
 55. Conference Aspect'22: Asymptotic Analysis & Spectral Theory, 26-30 September 2022, Oldenburg, Germany; **Invited speaker: M. Kohr**, *Boundary value problems and spectral theory on manifolds with boundary and cylindrical ends*.
 56. 14th Joint Conference on Mathematics and Computer Science Cluj-Napoca, November 24-27, 2022, **Plenary talk: G. Kohr, M. Kohr**, *Extremal results and related problems associated with the Loewner differential equation in \mathbf{C}^n* .
 57. **2nd Edition of the Workshop dedicated to the memory of Professor Gabriela Kohr:**
Geometric Function Theory in Several Complex Variables and Complex Banach Spaces
http://math.ubbcluj.ro/workshop_gk/
 on the ZOOM platform (the link will be sent by email), December 1-3, 2022, at the Faculty of Mathematics and Computer Science, Babeş-Bolyai University, Cluj-Napoca, Romania; **Main organizer**.
 58. Mini-courses in Mathematical Analysis, Padova, June 19-23, 2023. **Invited talk: M. Kohr**, *The Stokes operator on manifolds with cylindrical ends*.
 59. The Tenth Congress of Romanian Mathematicians, June 30 - July 5, 2023, Piteşti, Romania. **Invited speaker** in the Section “**Ordinary and Partial Differential Equations, Controlled Differential Systems**”. **M. Kohr**, *The Stokes operator on manifolds with cylindrical ends*.
 60. Summer School in Geometric Analysis, Bruxelles, 28th August - 1st September, 2023. **Invited scientific talk: M. Kohr**, *On some elliptic operators on manifolds with cylindrical ends*. **Dedicated to the memory of Professor Gabriela Kohr**
 61. **3rd Edition of the Workshop dedicated to the memory of Professor Gabriela Kohr:**
Geometric Function Theory in Several Complex Variables and Complex Banach Spaces
http://math.ubbcluj.ro/workshop_gk/
 on the ZOOM platform (the link will be sent by email), December 1-3, 2023, at the Faculty of Mathematics and Computer Science, Babeş-Bolyai University, Cluj-Napoca, Romania; **Main organizer**.
 62. Mini-courses in Mathematical Analysis, Padova, June 24-28, 2024. **Invited talk: M. Kohr**, *Boundary value problems for the Stokes system on manifolds with straight cylindrical ends*.

63. The 29th International Conference in Operator Theory, Timișoara, July 1 - July 5, 2024. **Invited speaker. M. Kohr**, *On some elliptic operators on manifolds with cylindrical ends*.

64. Conference "Perturbations, Asymptotics, and related Tools", Matera (Italy), September 3-6, 2024. **Plenary speaker. M. Kohr**, *On some elliptic operators on manifolds with cylindrical ends*

Conference "Asymptotic Analysis and Spectral Theory 2024", Metz (France), 23-27 September 2024. **Invited speaker M. Kohr**, *On some elliptic operators on manifolds with cylindrical ends*

35. Alte informații

Colaborări cu matematicieni din țară și străinătate

W.L. Wendland, Institut für Angewandte Analysis und Numerische Simulation, Universität Stuttgart, Germany

G. Kohr, Facultatea de Matematică și Informatică, Universitatea Babeș-Bolyai, Cluj-Napoca

I. Graham, Department of Mathematics, University of Toronto, Toronto, Canada

M. Lanza de Cristoforis, Dipartimento di Matematica "Tullio Levi-Civita", Università degli Studi di Padova, Italy

S. E. Mikhailov, Department of Mathematics, Brunel University London, UK

H. Hamada, Faculty of Science and Engineering Kyushu Sangyo University, Fukuoka, Japan

V. Nistor, Université de Lorraine - Metz, France

N. Grosse, Freiburg University, Germany

D. Medková, Mathematical Institute of the Academy of Sciences of the Czech Republic, Prague

G.P. Raja Sekhar, Department of Mathematics, Indian Institute of Technology, Kharagpur, India

J.R. Blake, School of Mathematics, University of Birmingham, Birmingham, UK

R. Precup, Facultatea de Matematică și Informatică, Universitatea Babeș-Bolyai, Cluj-Napoca

C. Pinte, Facultatea de Matematică și Informatică, Universitatea Babeș-Bolyai, Cluj-Napoca

T. Groșan, Facultatea de Matematică și Informatică, Universitatea Babeș-Bolyai, Cluj-Napoca

P. Curt, Facultatea de Științe Economice și Gestiunea Afacerilor, Universitatea Babeș-Bolyai, Cluj-Napoca

P.T. Mocanu, Facultatea de Matematică și Informatică, Universitatea Babeș-Bolyai, Cluj-Napoca

I. Pop, Facultatea de Matematică și Informatică, Universitatea Babeș-Bolyai, Cluj-Napoca

M. Lupu, Facultatea de Matematică și Informatică, Universitatea Transilvania, Brașov

Membru în comisii de doctorat; comisii de concurs

1. Conducător de doctorat al tezei d-lui Gutt Robert, Universitatea Babeș-Bolyai, Cluj-Napoca, susținerea publică a teze de doctorat: 31 Octombrie 2019; Titlul tezei de doctorat: *Probleme cu valori pe frontieră mixte pentru sisteme neliniare din mecanica fluidelor și a mediilor poroase (Mixed boundary value problems for nonlinear systems in fluid mechanics and porous media)*
2. Conducător de doctorat al tezei d-nei Denisa Gabriela Fericean, Universitatea Babeș-Bolyai, Cluj-Napoca, susținerea publică a tezei de doctorat: 29 noiembrie 2012; Titlul tezei de doctorat: *Tehnici de teoria potențialului și de teoria geometrică a funcțiilor în studiul unor probleme din mecanica fluidelor*
3. Președinte comisie de doctorat a tezei d-nei Liana I. Cioban, Universitatea Babeș-Bolyai, Cluj-Napoca, 2012
4. Președinte comisie de doctorat a tezei d-nei Oana Ruxandra Tuns (Bode), Universitatea Babeș-Bolyai, Cluj-Napoca, 2012
5. Membru în comisia de doctorat a d-lui Viorel Adrian, Universitatea Babeș-Bolyai, Cluj-Napoca, 2011
6. Membru în comisia de doctorat a d-nei Petcu O. Olivia Ana (căs. Florea), Universitatea "Transilvania" din Brașov, 2010
7. Membru în comisia de doctorat a d-lui Ghiba Ionel-Dumitrel, Universitatea "Al. I. Cuza" din Iași, 2010
8. Membru în comisia de doctorat a d-nei Bercea (căs. Revnic) Cornelia, Universitatea Babeș-Bolyai, Cluj-Napoca, 2008
9. Membru în comisia de doctorat a d-nei Cîmpean Dalia Sabina, Universitatea Babeș-Bolyai, Cluj-Napoca, 2007
10. Membru în comisia de doctorat a d-lui Groșan Teodor Silviu, Universitatea Babeș-Bolyai, Cluj-Napoca, 2002
11. Membru în comisia de doctorat a d-nei Anghel Mihaela (căs. Jaradat), Univ. Babeș-Bolyai, Cluj-Napoca, 2002
12. Membru în comisia de evaluare a unor proiecte post-doc, în cadrul programului "Tineri cercetători de succes – dezvoltare profesională în context interdisciplinar și internațional", Universitatea Babeș-Bolyai, Cluj-Napoca 2014

13. Membru în comisia de concurs pentru un post de profesor la Universitatea Sapiientia, Facultatea de Științe Economice Și Umaniste din Miercurea Ciuc, ianuarie 2015
14. Membru în comisia de concurs pentru un post de conferențiar la Universitatea Transilvania Brașov, 09. 2016.
15. În anul 2017 am întocmit documentele necesare acordului de cooperare în cadrul programului Erasmus cu **Universitatea din Padova**. Această universitate de prestigiu din Italia figurează din anul 2017 în lista universităților partenere cu Universitatea Babeș-Bolyai.
16. Membru în comisia de concurs pentru un post de profesor la Facultatea de Matematică, Universitatea “Alexandru Ioan Cuza” din Iași, 28.01.2020
17. **Membru (examinator) în comisia de evaluare a tezei de doctorat:** H. Mohsen, *Uniform estimates for sign-changing transmission problems: Links with boundary triples and uncertainty quantification*, PhD advisers Prof. Victor Nistor and Prof. Simon Labrunie, Institut Élie-Cartan de Lorraine, University Lorraine, France, 2 December, 2022.
18. **Membru în comisia de abilitare** a conf. dr. Maria Jivulescu, Universitatea Politehnica Timisoara, 23.01.2023, Universitatea Tehnică, Cluj-Napoca.
19. **Membru în comisia de abilitare** a conf. dr. Dalia-Sabina Cîmpean-Kelemen, Universitatea Tehnică, Cluj-Napoca, 26.05.2023, Universitatea Tehnică, Cluj-Napoca.
20. **Membru în comisia de evaluare a tezei de doctorat:** Szatmari (căs. Gavriș) Eszter, *Noi rezultate în teoria geometrică a funcțiilor de o variabilă complexă*, Universitatea Babeș-Bolyai, Cluj-Napoca, 8.09.2023.
21. **Membru în comisia de concurs pentru un post de profesor** la Facultatea de Matematică, Universitatea “Alexandru Ioan Cuza” din Iași, 31.01.2024.
22. **Membru în comisia de concurs/contestații pentru un post de lector** la Facultatea de Matematică și Informatică, Universitatea Babeș-Bolyai, Cluj-Napoca, 6.02.2024.
23. **Membru în comisia de concurs pentru un post de profesor** la Universitatea Tehnică Cluj-Napoca, 1.07.2024.
24. **Membru/membru supleant în comisia de soluționare a contestațiilor** privind teza de abilitare a conf.dr. Inoan Daniela Ioana, Universitatea Tehnică din Cluj-Napoca, 12.07.2024.
25. **Membru in comisia pentru susținerea tezei de doctorat:** Roberto Paoli, *Dynamics of resonances and chaos in space sciences* Universitatea “Alexandru Ioan Cuza” din Iași, 25.09.2024.

Membru în comitete de organizare sau științifice ale unor conferințe internaționale

- Member in the Scientific Comitty of the International Symposium on Geometric Function Theory and Applications (GFTA 2011), Cluj-Napoca, September 4-8, 2011
- Member in the Scientific Comitty of the International Symposium on Geometric Function Theory and Applications (GFTA 2012), Ohrid, Macedonia, August 27-31, 2012
- **Member in the Organizing Committee and in the Program Committee** of the *14th International Conference on Integral Methods in Science and Engineering* (IMSE 2016), 25 - 29 July 2016, Padova, Italy
- Member in the Scientific Committee of the *First Romanian Itinerant Seminar on Mathematical Analysis and its Applications*, RISMAA-2018, Cluj-Napoca, April 20-21, 2018
- Member in the Scientific Committee of the *Second Romanian Itinerant Seminar on Mathematical Analysis and its Applications*, RISMAA-2019, Constanța, May 10-12, 2019
- **Organizer** (together with **Victor Nistor** (France) and **Mihai Putinar** (USA)) of the special session *Integral Operators and Layer Potentials*, 9th Congress of Romanian Mathematicians, June 28-July 3, 2019, Galați, Romania.
- Member in the Scientific Committee of the *Third Romanian Itinerant Seminar on Mathematical Analysis and its Applications*, RISMAA-2020, Alba-Iulia, September 10-12, 2021 (delayed due to Covid 19)
- **Member of the International Steering Committee** of the *16th International Conference on Integral Methods in Science and Engineering* (IMSE 2020), 13 - 17 July 2020, St. Petesburg, Russia (new tentative dates 25-29 July 2022)
- Member in the Scientific Committee of the *Fourth Romanian Itinerant Seminar on Mathematical Analysis and its Applications*, Brașov, May 19-21, 2022
- **Organizer** (together with **Victor Nistor**, Metz, and **Pierre Bousquet**, Toulouse, France) of the special session *Analyse et Applications, XVeme colloque Franco-Roumain de mathématiques appliquées*, 29 August – 2 September 2022, Toulouse, France.
- **Main organizer of the Workshop dedicated to the memory of Professor Gabriela Kohr:**

Geometric Function Theory in Several Complex Variables and Complex Banach Spaces

http://math.ubbcluj.ro/workshop_gk/

on the ZOOM platform, December 1-3, 2021, at the Faculty of Mathematics and Computer Science, Babeş-Bolyai University, Cluj-Napoca, Romania.

- **2nd Edition of the Workshop dedicated to the memory of Professor Gabriela Kohr:**

Geometric Function Theory in Several Complex Variables and Complex Banach Spaces

http://math.ubbcluj.ro/workshop_gk/

on the ZOOM platform, December 1-3, 2022, at the Faculty of Mathematics and Computer Science, Babeş-Bolyai University, Cluj-Napoca, Romania; **Main organizer.**

- Member in the Scientific Committee of the *Fifth Romanian Itinerant Seminar on Mathematical Analysis and its Applications*, Craiova, May 26-28, 2023.
 - Organizer (together with Lucian Beznea, Cezar Joița, and Eugen Mihăilescu) of the session **Real and Complex Analysis, Potential Theory**, The Tenth Congress of Romanian Mathematicians, June 30 - July 5, 2023, Pitești, Romania.
 - **Organizer** (together with **Victor Nistor** (Metz, France) of the session *Integral Operators and Applications*, 10th Congress of Romanian Mathematicians, June 30-July 5, 2023, Pitești, Romania.
 - **3rd Edition of the Workshop dedicated to the memory of Professor Gabriela Kohr:**
- Geometric Function Theory in Several Complex Variables and Complex Banach Spaces**
- http://math.ubbcluj.ro/workshop_gk/
- on the ZOOM platform, December 1-3, 2023, at the Faculty of Mathematics and Computer Science, Babeş-Bolyai University, Cluj-Napoca, Romania; **Main organizer.**
- Member in the Scientific Committee of the *Sixth Romanian Itinerant Seminar on Mathematical Analysis and its Applications*, Cluj-Napoca, May 30-31, 2024.
 - Member in the Scientific Committee of the conference *Aspect'24 "Asymptotic Analysis & Spectral Theory"*, September 23-27, 2024, Metz, France.

Coordonator sau membru al unor grupuri de cercetare

1. **Coordonator** al grupului de cercetare de **Mecanică și Astronomie**, Facultatea de Matematică și Informatică, Universitatea Babeş-Bolyai (de la 1.10. 2012)
2. **Coordonator** al grupului de cercetare de **Analiză Complexă**, “**Prof. dr. Gabriela Kohr**” Facultatea de Matematică și Informatică, Universitatea Babeş-Bolyai (din 2021).
3. **Membru** al centrului de cercetare **de Analiză Aplicată**, Facultatea de Matematică și Informatică, Universitatea Babeş-Bolyai (Director Prof. Dr. Radu Precup)

Data:
28.08.2024

Semnătura:
Prof. Dr. Mirela Kohr

