

KOHR Gabriela / PhD since 1996 / Professor since 2006

LIST OF PUBLICATIONS

Books in international publishers

1. I. Graham, **G. Kohr**, *Geometric Function Theory in One and Higher Dimensions*, Marcel Dekker Inc., New York, Basel, 2003, 530 pp.
ISBN 0-8247-0976-4.

Books in Romanian publishers

1. **G. Kohr**, *Basic Topics in Holomorphic Functions of Several Complex Variables*, Cluj University Press, 2003, 195 pp.
ISBN 973-610-223-8
2. **G. Kohr**, P. Liczberski, *Univalent Mappings of Several Complex Variables*, Cluj University Press, 1998, 334 pp.
ISBN 973-9354-29-7.

Textbooks

1. **G. Kohr**, P.T. Mocanu, *Special Chapters of Complex Analysis*, Cluj University Press, 2005, 267 pp. (in Romanian)
ISBN 973-610-387-0.

Relevant scientific papers (selective list)

ISI publications

1. H. Hamada, **G. Kohr**, M. Kohr, *Koebe one-quarter theorem in infinite dimensions*, [Journal of Functional Analysis](#), 290 (2026), 111237.
2. H. Hamada, **G. Kohr**, M. Kohr, *Subordination chains and solutions to the Loewner PDE in infinite dimensions*, [The Journal of Geometric Analysis](#), 36 (2026), 29.
3. H. Hamada, **G. Kohr**, M. Kohr, *Roper-Suffridge type extension operators for univalent mappings revisited*, [J. Math. Anal. Appl.](#), 552 (2025) 129763.
4. I. Graham, H. Hamada, **G. Kohr**, M. Kohr, *Loewner PDE in Infinite Dimensions*, [Computational Methods and Function Theory](#), 25 (2025), 151–171.
5. H. Hamada, **G. Kohr**, *The Loewner PDE, inverse Loewner chains and nonlinear resolvents of the Carathéodory family in infinite dimensions*, [Annali della Scuola Normale Superiore di Pisa, Classe di Scienze](#), Vol. XXIV (2023), No. 4, 2431–2475.
6. H. Hamada, **G. Kohr**, M. Kohr, *Fekete-Szegő problem for univalent mappings in one and higher dimensions*, [J. Math. Anal. Appl.](#), 516 (2022), 126526.
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*, [Stud. Univ. Babeş-Bolyai Math.](#), 67 (2022), No. 2, 219–236.
8. H. Hamada, M. Iancu, **G. Kohr**, *Runge pairs of Φ -like domains*, [Stud. Univ. Babeş-Bolyai Math.](#), 67 (2022), No. 2, 237–250.
9. 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](#), 2021, 11:115 (2021), 1–22.

10. H. Hamada, **G. Kohr**, *A rigidity theorem at the boundary for holomorphic mappings with values in finite dimensional bounded symmetric domains*, [Mathematische Nachrichten](#), 294 (2021), 2151–2159.
11. H. Hamada, M. Iancu, **G. Kohr**, *A survey on Loewner chains and related problems for bounded balanced pseudoconvex domains in \mathbb{C}^n* , [Mathematical Reports](#), 23 (73) (2021), 55–73.
12. H. Hamada, M. Iancu, **G. Kohr**, *A survey on Loewner chains, approximation results, and related problems for univalent mappings on the unit ball in \mathbb{C}^n* , [Rev. Roumaine Math. Pures Appl.](#), 66 (2021), 709–723.
13. I. Graham, H. Hamada, **G. Kohr**, *Loewner chains and nonlinear resolvents of the Carathéodory family on the unit ball in \mathbb{C}^n* , [J. Math. Anal. Appl.](#), 491 (2020), 124289.
14. H. Hamada, **G. Kohr**, *Support points for families of univalent mappings on bounded symmetric domains*, [Science China Math.](#), 63 (2020), 2379–2398; <https://doi.org/10.1007/s11425-019-1632-1>.
15. H. Hamada, M. Iancu, **G. Kohr**, *Spiralshapelike mappings in several complex variables*, [Annali di Matematica Pura ed Applicata](#), 199 (2020), 2181–2195; <https://doi.org/10.1007/s10231-020-00963-w>.
16. I. Graham, H. Hamada, **G. Kohr**, *A Schwarz lemma at the boundary on complex Hilbert balls and applications to starlike mappings*, [J. Analyse Math.](#), 140 (2020), 31–53.
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), 28 pp. doi.org/10.1007/s13324-019-00352-4.
18. I. Graham, H. Hamada, **G. Kohr**, *Loewner chains, Bloch mappings and Pfaltzgraff-Suffridge extension operators on bounded symmetric domains*, [Complex Variables and Elliptic Equations](#), 65 (2020), 57–73
19. H. Hamada, **G. Kohr**, *A boundary Schwarz lemma for mappings from the unit polydisc to irreducible bounded symmetric domains*, [Mathematische Nachrichten](#), 293 (2020), 1345–1351.
20. C.H. Chu, H. Hamada, T. Honda, **G. Kohr**, *Bloch space of a bounded symmetric domain and composition operators*, [Complex Analysis and Operator Theory](#), 13 (2019), 479–492.
21. H. Hamada, M. Iancu, **G. Kohr**, *Approximation of univalent mappings by automorphisms and quasiconformal diffeomorphisms in \mathbb{C}^n* , [J. Approx. Theory](#), 240 (2019), 129–144.
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26. F. Bracci, I. Graham, H. Hamada, **G. Kohr**, *Variation of Loewner chains, extreme and support points in the class S^0 in higher dimensions*, [Constructive Approx.](#), 43 (2016), 231–251.

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28. C.H. Chu, H. Hamada, T. Honda, **G. Kohr**, *Distortion of locally biholomorphic Bloch mappings on bounded symmetric domains*, [J. Math. Anal. Appl.](#), 441 (2016), 830–843.
29. H. Hamada, M. Iancu, **G. Kohr**, *Convergence results for families of univalent mappings on the unit ball in \mathbb{C}^n* , [Ann. Acad. Sci. Fenn. Math.](#), 41 (2016), 601–616.
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33. M. Chuaqui, H. Hamada, R. Hernández, **G. Kohr**, *Pluriharmonic mappings and linearly connected domains in \mathbb{C}^n* , [Israel J. Math.](#), 200 (2014), 489–506.
34. I. Graham, H. Hamada, T. Honda, **G. Kohr**, K.H. Shon, *Growth, distortion and coefficient bounds for Carathéodory families in \mathbb{C}^n and complex Banach spaces*, [J. Math. Anal. Appl.](#), 416 (2014), 449–469.
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36. I. Graham, H. Hamada, **G. Kohr**, M. Kohr, *Asymptotically spirallike mappings in reflexive complex Banach spaces*, [Complex Analysis and Operator Theory](#), 7 (2013), 1909–1927.
37. H. Hamada, **G. Kohr**, J. R. Muir Jr., *Extensions of L^d -Loewner chains to higher dimensions*, [J. Anal. Math.](#), 120 (2013), 357–392.
38. H. Hamada, T. Honda, **G. Kohr**, *Growth and distortion theorems for linearly invariant families on homogeneous unit balls in \mathbb{C}^n* , [J. Math. Anal. Appl.](#), 407 (2013), 398–412.
39. L. Arosio, F. Bracci, H. Hamada, **G. Kohr**, *An abstract approach to Loewner’s chains*, [J. Anal. Math.](#), 119 (2013), 89–114.
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42. H. Hamada, T. Honda, **G. Kohr**, *Trace-order and a distortion theorem for linearly invariant families on the unit ball of a finite dimensional JB^* -triple*, [J. Math. Anal. Appl.](#), 396 (2012) 829–843.
43. I. Graham, H. Hamada, **G. Kohr**, M. Kohr, *Extreme points, support points and the Loewner variation in several complex variables*, [Sci. China Math.](#), 55(7) (2012), 1353–1366.
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46. I. Graham, H. Hamada, **G. Kohr**, *On subordination chains with normalization given by a time-dependent linear operator*, [Complex Analysis and Operator Theory](#), 5 (2011), 787–797.
47. P. Duren, H. Hamada, **G. Kohr**, *Two-point distortion theorems for univalent harmonic and pluriharmonic mappings*, [Trans. Amer. Math. Soc.](#), 363 (2011), 6197–6218.
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51. **G. Kohr**, M. Kohr, *Homeomorphic extension of strongly spirallike mappings in \mathbb{C}^n* , [Science China Math.](#), 53 (2010), no.1, 87–100.
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53. I. Graham, H. Hamada, **G. Kohr**, J.A. Pfaltzgraff, *Convex subordination chains in several complex variables*, [Canadian J. Math.](#), 61 (2009), 566–582.
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59. P. Curt, **G. Kohr**, *Some remarks concerning quasiconformal extensions in several complex variables*, [J. Inequalities Appl.](#), Volume 2008, Article ID 690932, 16 pages.
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63. I. Graham, H. Hamada, **G. Kohr**, *Radius problems for holomorphic mappings on the unit ball in \mathbb{C}^n* , [Math. Nachr.](#), 279 (2006), 1474–1490.
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66. H. Hamada, **G. Kohr**, *Quasiconformal extension of biholomorphic mappings in several complex variables*, [J. Analyse Math.](#), 96 (2005), 269–282.
67. H. Hamada, **G. Kohr**, *Roper-Suffridge extension operator and the lower bound for the distortion*, [J. Math. Anal. Appl.](#), 300 (2004), 454–463.
68. H. Hamada, **G. Kohr**, *Simple criteria for strongly starlikeness and starlikeness of certain order*, [Math. Nachr.](#), 254/255 (2003), 165–171.
69. I. Graham, **G. Kohr**, M. Kohr, *Loewner chains and parametric representation in several complex variables*, [J. Math. Anal. Appl.](#), 281 (2003), 425–438.
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Chapters/articles in books/proceedings

1. I. Graham, H. Hamada, **G. Kohr**, *Extremal problems for mappings with g -parametric representation on the unit polydisc in \mathbb{C}^n* . In: *Complex Analysis and Dynamical Systems* (eds. M. Agranovsky et al.), Birkhäuser’s series Trends in Mathematics, 2018, 143–169.
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3. H. Hamada, M. Iancu, **G. Kohr**, *Extremal problems and convergence results for mappings with generalized parametric representation in \mathbb{C}^n* . In: *Geometric Function Theory in Higher Dimension* (ed. F. Bracci), Springer INdAM Series 26 (2017), 101–112.
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5. I. Graham, H. Hamada, **G. Kohr**, M. Kohr, *Univalent subordination chains in reflexive complex Banach spaces*, [Contemporary Math. \(AMS\)](#), 591 (2013), 83–111.
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10. H. Hamada, **G. Kohr**, *The growth of spirallike mappings*, In: [Proceedings of the Second ISAAC Congress, Vol. 1](#) (Fukuoka, 1999), 231–236, Int. Soc. Anal. Appl. Comput., 7, Kluwer Acad. Publ., Dordrecht, 2000.

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1. I. Graham, **G. Kohr**, J.A. Pfaltzgraff, *Growth and two-point distortion for biholomorphic mappings of the ball*, [Complex Variables and Elliptic Equations](#), 52(2007), 211-223.
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7. H. Hamada, **G. Kohr**, *Loewner chains and quasiconformal extension of holomorphic mappings*, *Ann. Polon. Math.* 81(2003), 85-100.
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13. H. Hamada, **G. Kohr**, *An estimate of the growth of spirallike mappings relative to a diagonal matrix*, *Ann. Univ. Mariae-Curie Sklodowska, Sect. A.*, 55(2001), 53-59.
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**Papers in journals of the Romanian Academy indexed in data bases
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