



رزومه علمی عباس سالمی پاریزی

اطلاعات شخصی

نام و نام خانوادگی: عباس سالمی پاریزی

مرتبه علمی: استاد

محل خدمت: گروه ریاضی کاربردی، دانشگاه شهید باهنر کرمان، کرمان، ۷۶۱۶۹۱۳۴۳۹، ایران

تلفن: ۰۳۴۳۱۳۲۲۴۷۸

ایمیل: salemi@uk.ac.ir

وبسایت: amath.uk.ac.ir/~salemi

زمینه‌های پژوهشی: آنالیز ماتریسی، جبر خطی عددی، و علم داده

تحصیلات

- کارشناسی، ۱۳۶۳-۱۳۶۷
گروه ریاضی، دانشگاه شهید باهنر کرمان، ایران
- کارشناسی ارشد، ۱۳۶۷-۱۳۶۹
گروه ریاضی، دانشگاه شهید باهنر کرمان، ایران
- دکتری، ۱۳۶۹-۱۳۷۳
گروه ریاضی، دانشگاه شهید باهنر کرمان، ایران

فرصت‌های مطالعاتی

- ۱۴۰۱-۱۴۰۲ — دانشگاه واشنگتن، سیاتل، آمریکا
- ۱۳۹۶-۱۳۹۷ — دانشگاه واشنگتن، سیاتل، آمریکا
- ۱۳۸۵-۱۳۸۶ — کالج ویلیام & مری، ویرجینیا، آمریکا
- ۱۳۸۰-۱۳۸۱ — دانشگاه تورنتو، تورنتو، کانادا
- ۱۳۷۴ — تابستان — مرکز بین‌المللی فیزیک نظری، تریسته، ایتالیا

عضویت در هیئت تحریریه مجلات

- سردبیر بولتن انجمن ریاضی ایران ۲۰۱۳-۲۰۱۶
- عضو هیئت تحریریه مجله ویولت و جبر خطی ۲۰۱۴ تاکنون

۲۰۱۲ تاکنون

• عضو هیئت تحریریه مجله پژوهشی ریاضی ماهانی

۲۰۱۰ تاکنون

• عضو هیئت تحریریه بولتن انجمن ریاضی ایران

مسئولیت‌های اجرایی و اداری

۱۴۰۳ تاکنون

• عضو شورای اجرایی انجمن ریاضی ایران

۱۴۰۱ تاکنون

• عضو فرهنگستان علوم ایران

۱۴۰۰ تاکنون

• عضو هیئت امنای جایزه مهدی رجبعلی‌پور

۱۴۰۱-۱۳۹۷

• رییس مرکز پژوهشی ریاضی ماهانی

۱۴۰۲-۱۳۹۷

• عضو هیات ممیزه دانشگاه شهید باهنر کرمان

۱۴۰۰-۱۳۸۹

• عضو هیئت امنای جایزه عباس ریاضی کرمانی

۱۳۹۷-۱۳۹۱

• عضو شورای اجرایی انجمن ریاضی ایران

۱۳۸۹-۱۳۸۵

• دبیر قطب جبر خطی و بهینه‌سازی

۱۳۸۵-۱۳۸۳

• رئیس گروه ریاضی دانشگاه شهید باهنر کرمان

۱۳۸۳-۱۳۷۶

• معاون دانشکده ریاضی و کامپیوتر دانشگاه شهید باهنر

۱۳۷۵-۱۳۷۴

• رئیس دانشکده علوم دانشگاه ولی‌عصر رفسنجان

۱۳۷۴-۱۳۷۰

• رئیس گروه ریاضی دانشگاه ولی‌عصر رفسنجان

برگزاری کنفرانس‌ها، سمینارها و کارگاه‌ها

۲۰۲۱

• دبیر کمیته علمی پنجاه و دومین کنفرانس سالانه ریاضی ایران

۲۰۲۰

• دبیر دهمین سمینار جبر خطی و کاربردهای آن

۲۰۱۰

• دبیر کارگاه جبر خطی عددی و کاربردهای آن

۲۰۰۴

• دبیر سومین سمینار جبر خطی و کاربردهای آن

۲۰۰۴

• دبیر کارگاه نابرابری‌های عملگرها

فعالیت‌های آموزشی

• دروس دوره کارشناسی آنالیز ریاضی، جبر خطی، جبر خطی عددی، نظریه ماتریس‌ها، ریاضیات گسسته، توپولوژی، توابع مختلط، حسابان، معادلات دیفرانسیل

• دروس دوره تحصیلات تکمیلی جبر خطی پیشرفته، آنالیز ماتریسی، جبر خطی عددی، آنالیز حقیقی، نظریه عملگرها، آنالیز تابعی، نابرابری‌های ماتریسی، برد عددی، محاسبات کوانتومی، نظریه طیفی گراف‌ها، روش‌های ماتریسی در داده‌کاوی و بازشناسی الگو، مبانی ریاضی علم داده، روش‌های ماتریسی در یادگیری ماشین

- **2026** – *When is the Resolvent Like a Rank One Matrix?* (joint A. Greenbaum and F. Kyanfar); SIAM Journal on Matrix Analysis; Vol. 47, No. 3; 1326–1348.
- **2026** – *Softmax self representation learning for unsupervised feature selection*, (joint H. Naser-Asadi, F. Kyanfar and F. Saberi-Movahed); Journal of Mathematical Modeling, 10.22124/jmm.2026.32592.2964.
- **2026** – *Unsupervised Feature Selection via Graph-Based Proximity and Structured Autoencoder-like NMF* (joint M. Pakmanesh, F. Saberi-Movahed, P. Tiwari); Information Processing and Management, 63, 104714.
- **2026** – *Characterizations of core-EP matrices with applications to singular equations* (joint E. Kheirandish, Néstor Thome); Computational and Applied Mathematics, 45:228.
- **2026** – *Further characterizations of W -weighted core-EP matrices* (joint E. Kheirandish, Qing-Wen Wang); Journal of Computational and Applied Mathematics, 472, 116788.
- **2025** – *Bilinear Self-Representation for Unsupervised Feature Selection with Structure Learning* (joint H. Naser-Asadi, F. Kyanfar and F. Saberi-Movahed); Neurocomputing, 625, 129557.
- **2025** – *A modified block Hessenberg method for low-rank tensor Sylvester equations* (joint M. Bagheri, A. Tajadini, and F. Kyanfar); Journal of Computational and Applied Mathematics, 456, 116209.
- **2024** – *Alternative Arnoldi process for ill-conditioned tensor equations with application to image restoration* (joint M. Bagheri, A. Tajadini, and F. Kyanfar); Computational and Applied Mathematics, Vol. 43, No. 375; <https://doi.org/10.1007/s40314-024-02886-1>.
- **2024** – *Properties of core-EP matrices and binary relationships* (joint E. Kheirandish, N. Thome); Computational and Applied Mathematics, Vol. 43, No. 316; <https://doi.org/10.1007/s40314-024-02836-x>.
- **2023** – *An equivalent condition for linear preservers of multivariate group majorization on matrices* (joint M. Soleymani); Wavelets and Linear Algebra, Vol 10, No. 2, 71–80.
- **2023** – *Generalized bilateral inverses of tensors via Einstein product with applications to singular tensor equations* (joint E. Kheirandish); Computational and Applied Mathematics, <https://doi.org/10.1007/s40314-023-02483-8>, 42, 343.
- **2023** – *Generalized bilateral inverses* (joint E. Kheirandish); Journal of Computational and Applied Mathematics, <https://doi.org/10.1016/j.cam.2023.115137>, 428, 115137.
- **2023** – *A new simultaneously compact finite difference scheme for high-dimensional time-dependent PDEs* (joint R. Doostaki and M. M. Hosseini); Mathematics and Computers in Simulation, 212, 504–523.
- **2022** – *Estimation of the regression function by Legendre wavelets* (joint M. Hamzehnejad and M. M. Hosseini); Iranian Journal of Numerical Analysis and Optimization, 12(3), 497–512.
- **2022** – *An improved upper bound for ultraspherical coefficients* (joint M. Hamzehnejad and M. M. Hosseini); Journal of Mathematical Modeling, 10(3), 421–431.
- **2022** – *Error analysis and Kronecker implementation of Chebyshev spectral collocation method for solving linear PDEs* (joint M. Razavi and M. M. Hosseini); Computational Methods for Differential Equations, 10(4), 914–927.

- **2022** – *Global-DGMRES method for matrix equation $AXB=C$* (joint M. Safarzadeh and H. Sadeghi Goughery); International Journal of Computer Mathematics, 99(5), 1005–1021.
- **2021** – *Some inequalities related to 4-convex functions* (joint Sh. Mohtashami and M. Soleymani); Wavelets and Linear Algebra, 8(1), 17–26.
- **2021** – *On Hermitian Positive Definite Solutions of a Nonlinear Matrix Equation* (joint M. Masoudi); Journal of Fixed Point Theory and Applications, <https://doi.org/10.1007/s11784-021-00867-z>.
- **2021** – *DISCERN: Diversity-based Selection of Centroids for k-Estimation and Rapid Non-stochastic Clustering* (joint A. Hassani, A. Iranmanesh and M. Eftekhari); International Journal of Machine Learning and Cybernetics, 12 (2021), 635–649.
- **2020** – *Perturbation bounds for matrix functions* (joint M. Masoudi); Mathematical Inequalities and Applications, 23(3), 1105–1115.
- **2020** – *Polynomial numerical hulls of the direct sum of two Jordan blocks* (joint S. Karami); Linear Algebra and its Applications, 585, 209–226.
- **2019** – *On spectral radius of graphs with pendant paths* (joint H. Passbani); Linear Algebra and its Applications, 571, 26–40.
- **2019** – *Linear preservers of circulant majorization on rectangular matrices* (joint Sh. Mohtashami and M. Soleymani); Linear and Multilinear Algebra, 67(8), 1554–1560.
- **2018** – *On the Convergence Rate of DGMRES* (joint A. Greenbaum and F. Kyanfar); Linear Algebra and its Applications, 552, 219–238.
- **2018** – *On a new generalized inverse of matrices* (joint M. Mehdipour); Linear and Multilinear Algebra, 66(5), 1046–1053.
- **2018** – *DGMRES and index numerical range of matrices* (joint M. Safarzadeh); Journal of Computational and Applied Mathematics, 335, 349–360.
- **2017** – *Hermitian positive definite solutions of the matrix equation $X^s + A^*X - tA = Q$* (joint M. Mohseni Moghadam, M. Masoudi); J. Korean Math. Soc. 54(6), 1667–1682.
- **2016** – *Quantum error-correction for a sub-group of the Pauli group using higher-rank numerical range* (joint Sayyed Ahmad Mousavi); Linear and Multilinear Algebra, 64(1), 68–77.
- **2016** – *An orthogonality in normed linear spaces based on angular distance inequality* (joint F. Dadipour, F. Sadeghi); Aequat. Math. 90(2), 281–297.
- **2015** – *Joint higher rank numerical range of Pauli group* (joint S. A. Mousavi); Linear and Multilinear Algebra, 63(3), 439–454.
- **2015** – *Characterizations of inner product spaces involving homogeneity of isosceles orthogonality* (joint F. Dadipour, F. Sadeghi); Archiv der Mathematik, 104(5), 431–439.
- **2015** – *Polynomial numerical hulls of the direct sum of a normal matrix and a Jordan block* (joint S. Karami); Linear Algebra and its Applications, 465, 143–160.
- **2014** – *Complete stagnation of GMRES for normal matrices* (joint F. Kyanfar and M. Mohseni Moghadam); Computational and Applied Mathematics, 263, 417–422.
- **2014** – *On revising of the modified young inequality* (joint A. Sheikh Hosseini); Ann. Funct. Anal. 5(1), 70–76.

- **2013** – *Matrix Young numerical radius Inequalities* (joint A. Sheikh Hosseini); Mathematical Inequalities and Applications, 16(3), 783–791.
- **2013** – *Some results on the polynomial numerical hulls of matrices* (joint H. R. Afshin and M. A. Mehrjoofard); Bulletin of the Iranian Mathematical Society, 39(3), 569–578.
- **2012** – *On linear preservers of lgw-majorization on $M_{n,m}$* (joint A. Armandnejad); Bulletin of the Malaysian Mathematical Science Society, 35(3), 755–764.
- **2012** – *Higher rank numerical hulls of matrices*; Operators and Matrices, 6(1), 79–84.
- **2011** – *Polynomial numerical hulls of matrix polynomials II* (joint Gh. R. Aghamollaei); Linear and Multilinear Algebra, 59(3), 291–302.
- **2011** – *Linear Preservers of majorization* (joint F. Khalooei); Iranian Journal of Mathematical Sciences and Informatics, 6(2), 43–50.
- **2011** – *Total decomposition and block numerical ranges*; Banach Journal of Mathematical Analysis, 5(1), 51–55.
- **2011** – *Polynomial inverse images and polynomial numerical hulls of normal matrices* (joint H. R. Afshin and M. A. Mehrjoofard); Operators and Matrices, 5(1), 89–96.
- **2009** – *Polynomial numerical hulls of order 3* (joint H. R. Afshin and M. A. Mehrjoofard); Electronic Journal of Linear Algebra, 18, 253–263.
- **2009** – *Quadratic forms on S^1 generated by a matrix* (joint Gh. R. Aghamollaei); International Journal on Applied Mathematics, 22(1), 129–137.
- **2009** – *The structure of linear preservers of left matrix majorization* (joint F. Khalooei); Electronic Journal of Linear Algebra, 18, 88–97.
- **2008** – *Polynomial numerical hulls of matrices* (joint Ch. Davis and Chi-Kwong Li); Linear Algebra and its Applications, 428, 137–153.
- **2007** – *G-majorization and linear preservers of gs-Majorization* (joint A. Armandnejad); Journal of DSGT, 2, 165–168.
- **2007** – *Polynomial numerical hulls of matrix polynomials* (joint Gh. Aghamollaei); Linear and Multilinear Algebra, 55(3), 219–228.
- **2007** – *Analysis of symmetric matrix valued functions* (joint H. Mohebi); Numerical Functional Analysis and Optimization, 28(5-6), 691–715.
- **2006** – *The structure of linear preservers of gs-majorization* (joint A. Armandnejad); Bulletin of the Iranian Mathematical Society, 32(2), 31–42.
- **2004** – *On polynomial numerical hulls of normal matrices* (joint Ch. Davis); Linear Algebra and its Applications, 383, 151–161.
- **2004** – *Shell of quadratic numerical range* (joint H. R. Afshin); Far East Journal of Mathematical Sciences, 12(1), 83–87.
- **2003** – *Quadratic numerical range of block operator matrices* (joint H. R. Afshin); Far East Journal of Mathematical Sciences, 10(1), 99–103.
- **2000** – *Differentiable eigenvalues of the perturbed quadratic matrix functions*; Mathematische Nachrichten, 217, 141–146.

- **1996** – *On eigenvalues of quadratic matrix polynomials and their perturbations* (joint M. Radjabalipour); SIAM Journal on Matrix Analysis, 17(3), 563–569.
- **1995** – *On eigenvalues of perturbed quadratic matrix polynomials* (joint M. Radjabalipour); Integral Equations and Operator Theory, 22, 242–247.

فارغ التحصیلان دوره دکتری

- **2025** – *B. Khozaie*; Spectral Clustering of Graphs and Applications (joint M. Eftekhari and T. Sistani).
- **2025** – *M. Bagheri*; Tensor Krylov subspace methods for solving large tensor equations (joint A. Tajaddini and F. Kyanfar).
- **2024** – *E. Kheirandish*; Generalized inverse and iterative methods.
- **2022** – *M. Hamzehnejad*; Volatility modeling using theory of wavelets (joint M. M. Hosseini).
- **2022** – *M. Razavi*; Estimating of option price in financial markets by spectral methods (joint M. M. Hosseini).
- **2019** – *H. Passbani*; On spectra of trees and their applications.
- **2019** – *Sh. Mohtashami*; Group majorizations and their linear preservers (joint M. Soleymani).
- **2017** – *M. Mehdipour*; Generalized inverse of matrices and its parallel sum.
- **2017** – *M. Safarzadeh*; Krylov methods and their relation to polynomial numerical hulls of matrices.
- **2015** – *F. Sadeghi*; Orthogonality of vectors and matrices in normed linear spaces.
- **2015** – *S. Karami Zarandi*; Polynomial numerical hulls of matrices and iterative methods for solving linear systems.
- **2014** – *S. A. Mousavi*; Quantum error correction and joint higher rank numerical range.
- **2013** – *A. Sheikh Hosseini*; Matrix Young Inequalities.
- **2009** – *F. Khalooei*; Linear Preservers of left matrix majorization.
- **2006** – *A. Armandnejad*; G-stochastic matrices and linear preservers of G-majorization.
- **2006** – *Gh. R. Aghamollaei*; Polynomial numerical hulls of matrix polynomials.
- **2003** – *H. R. Afshin*; On numerical range and polynomial numerical hulls of matrices and operators.

فارغ التحصیلان دوره کارشناسی ارشد

- **2025** – *N. Rezanejad*; Dimensionality Reduction Methods (joint F. Saberi-Movahed).
- **2020** – *M. Abolhassani*; High-order Majorization.
- **2019** – *Z. Farahmand*; Trumping and Power Majorization.

- **2017** – *A. Jafari*; Stagnation of the Drazin Generalized Minimal Residual Method.
- **2016** – *A. Jalalabadi*; Crouzeix’s conjecture and GMRES method.
- **2015** – *H. Ghasemi*; On the properties of accretive-dissipative matrices.
- **2015** – *M. Samareh-Jahani*; Bounds on energy and Laplacian energy of a graph.
- **2014** – *H. Selahshour*; Spectral radius of a graph and applications.
- **2013** – *N. Hava*; Positive definite solutions of matrix equations.
- **2013** – *M. Taheri*; Totally nonnegative matrices.
- **2013** – *M. Mirzaee*; Majorization inequalities.
- **2012** – *M. Zaree*; Ratio field of values.
- **2012** – *S. Hashemi*; Polynomial numerical hulls and projection methods.
- **2011** – *M. Mehdipour*; Young and Heinz inequalities for matrices.
- **2011** – *M. Eskafian*; Indefinite higher rank numerical range.
- **2011** – *R. Keshvarzi*; Numerical range of rectangular matrices.
- **2010** – *V. Dehghani*; Entrywise functions of matrices.
- **2010** – *F. Sadeghi*; Orthogonality of vectors and matrices in normed linear spaces.
- **2010** – *M. Soleymani*; Matrix version of the Young inequality.
- **2009** – *S. A. Mousavi*; Quantum computing and higher rank numerical range.
- **2009** – *S. Ghani Pour*; Higher rank numerical range of matrices.
- **2008** – *N. Anjomshoa*; Higher rank numerical range of matrices.
- **2006** – *Sh. Rezagholi*; Polynomial numerical hulls of matrices and matrix polynomials.
- **2006** – *T. Mohammadi*; Majorization of vectors and matrices.
- **2004** – *M. Safarzadeh*; Polynomial numerical hulls of Toeplitz matrices.
- **2004** – *Kh. Riahi*; Norm bounds for summation of two normal matrices.
- **2003** – *F. Kavari*; Homotopy continuation methods for solving polynomial systems.
- **2003** – *M. Fazlollahi*; m th numerical range of operators.
- **2001** – *Gh. Aghamollaei*; Numerical range of matrix polynomials.
- **2000** – *H. Habibi*; Jordan matrices and their numerical ranges.
- **2000** – *M. Teymournia*; Finite automata generating real functions.
- **1999** – *E. Hashemi*; Spectral components of selfadjoint block operator matrices.
- **1999** – *J. Jesmani*; Essential spectrum and extremal principles of operators.
- **1999** – *F. Khaloei*; Quadratic matrix polynomials with a parameter.
- **1998** – *H. R. Rezazadeh*; Classification of the singularities for time optimal systems.

- **1998** – *A. Janat-Alipour*; Spectral decomposition of nonselfadjoint block operator matrices.
- **1997** – *H. Adeli*; Derivative of eigenpairs of matrix functions.

سخنرانیها و شرکت در کارگاهها و سمینارها

- **2025** – *The Sixth Public Lecture of the Soft Computing Laboratory*; 1 June 2025, Graduate University of Advanced Technology, Kerman, Iran.
- **2025** – *Union of Educational and Scientific Associations of Iranian Mathematics Teachers*; 13 January 2025, Online.
- **2025** – *Colloquium lectures*; 13 April 2025, Institute for Advanced Studies in Basic Sciences, Zanjan, Iran.
- **2024** – *Mahani Mathematical Research Center*; 6 October 2024, Shahid Bahonar University of Kerman, Iran.
- **2023** – *12th Algebra day*; 26 October 2023, Isfahan Mathematics House, Iran.
- **2023** – *12th Seminar on Linear Algebra and its Applications*; 18–19 July 2023, Tabriz, Iran.
- **2019** – *5th Seminar on Operator Theory and Its Applications*; 13–14 March 2019, Zanjan, Iran.
- **2018** – *International Conference on Matrix Inequalities and Matrix Equations (MIME2018)*; 8–11 June 2018, Shanghai, China.
- **2017** – *Korea-China International Conference on Matrix Theory and Applications*; 14–17 December 2017, Suwon, South Korea.
- **2017** – *Crouzeix's conjecture*; 31 July–4 August 2017, American Institute of Mathematics, San Jose, California, USA.
- **2017** – *International Linear Algebra Society (ILAS) meeting*; 24–28 July 2017, Iowa State University, Ames, Iowa, USA.
- **2017** – *Spring Western AMS Sectional Meeting*; 22–23 April 2017, Washington State University, WA, USA.
- **2017** – *University of Washington*; 23 February 2017, University of Washington, Seattle, WA, USA.
- **2014** – *3th Algebra day*; 30 October 2014, Isfahan Mathematics House, Iran.
- **2014** – *12th Workshop on Numerical Ranges and Radii*; 28 July–1 August 2014, Sanya, China.
- **2014** – *Workshop on Matrices and Operators*; 24–27 July 2014, Hainan, China.
- **2013** – *Workshop on Matrix Geometries and Applications*; 1–12 July 2013, Trieste, Italy.
- **2012** – *Matrices and Operators Conference*; 27–30 December 2012, Bangalore, India.
- **2012** – *11th Workshop on Numerical Ranges and Radii*; 9–12 July 2012, Kaohsiung, Taiwan.
- **2011** – *6th Linear Algebra Workshop*; 25 May–1 June 2011, Kranjska Gora, Slovenia.
- **2009** – *Summer School and Advanced Workshop on Trends and Developments in Linear Algebra*; 22 June–10 July 2009, Trieste, Italy.

- **2008** – *5th Linear Algebra Workshop*; 27 May–5 June 2008, Kranjska Gora, Slovenia.
- **2007** – *South Eastern Analysis Meeting*; 9–11 March 2007, Richmond, USA.
- **2006** – *International Workshop on Matrix Analysis*; 15–17 December 2006, Florida, USA.
- **2006** – *College of William and Mary*; 17 November 2006, Williamsburg, USA.
- **2006** – *8th Workshop on Numerical Ranges and Radii*; 15–16 July 2006, Bremen, Germany.
- **2006** – *International Linear Algebra Society (ILAS) meeting*; 18–21 July 2006, Amsterdam, Netherlands.
- **2005** – *4th Linear Algebra Workshop*; 16–24 May 2005, Bled, Slovenia.
- **2003** – *MASSEE Conference*; 15–21 September 2003, Sofia, Bulgaria.
- **2002** – *6th Workshop on Numerical Ranges and Radii*; 10–13 June 2002, AI., USA.
- **2001** – *University of Toronto (colloquium)*; 14 November 2001, Toronto, Canada.
- **2001** – *Technische Universitat Vienna*; 15 June 2001, Vienna, Austria.
- **2000** – *5th Workshop on Numerical Ranges and Radii*; 26–28 June 2000, Nafplio, Greece.
- **1995** – *Third International Congress on Industrial and Applied Mathematics*; 3–7 July 1995, Hamburg, Germany.