

Curriculum Vitae of Professor Gradimir V. Milovanović (February 28, 2026)

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Born: Zorunovac, Serbia (January 2, 1948)

Education:

- Ph.D.: University of Niš (Mathematics, 1976) [Thesis Advisor: D.S. Mitrinović]
- M. Sc.: University of Niš (Mathematics, 1974)
- B. S.: University of Niš (EE, Computer Sciences, 1966 - 1971)

Professional Experience (Employment):

- Research Professor: Mathematical Institute SASA (2011 – present)
- Full Professor, University of Niš (1986 – 2010)
- Associate Professor, University of Niš (1982 – 1986)
- Assistant Professor, University of Niš (1976 – 1982)
- Research and Teaching Assistant, University of Niš (1971 – 1976)

Professional Positions:

- Scientific Secretary of Department of Mathematics, Physics and Geo-Sciences, SASA (2016 – 2021)
- President of the Scientific Committee for Mathematics, Computer Sciences and Mechanics, Serbian Ministry of Science and Technological Development, Belgrade (2010 – 2016)
- Dean of the Faculty of Computer Sciences, Belgrade (2009 – 2011)
- President of the National Council for Scientific and Technological Development, Belgrade (2006 – 2010)
- Rector of the University of Niš (2004 – 2006)
- Dean of the Faculty of Electronic Engineering, University of Niš (2002 – 2004)
- Chair of Department of Mathematics, University of Niš (1983 – 2002)
- Vice-president of the Scientific Society of Serbia, Belgrade (2002 – 2016)
- President of the Scientific Council of the Mathematical Institute SASA, Belgrade (1997 – 2010)
- The member of the Managing Board of the Mathematical Society of Serbia, Belgrade (2003 – 2006)
- Vice-rector of University of Niš for Science and International Collaboration (1989 – 1991)

Membership in Academies and Professional Societies:

- Vijnāna Parishad (Science Academy) of India (2016 –)
- Full member of the Serbian Academy of Sciences and Arts (2012 –)
- Corresponding member of the Serbian Academy of Sciences and Arts (2006 – 2012)
- Full member of the Academy of Engineering Sciences of Serbia (2012 –)
- Corresponding member of the Academy of Engineering Sciences of Serbia (2007 – 2012)
- Scientific Society of Serbia (1996 –)
- Mathematical Society of Serbia
- Yugoslav Society for Applied and Industrial Mathematics (YUPIM)
- American Mathematical Society (AMS)
- Society for Industrial and Applied Mathematics (SIAM)
- SIAM Activity Group on Orthogonal Polynomials and Special Functions
- Gesellschaft für Angewandte Mathematik und Mechanik (GAMM)

Awards and Honors:

- VPI Golden Jubilee Award, Vijnana Parishad of India (2022)
- “City of Belgrade” Award for the Year 2014 in the Field: Natural and Technical Sciences, Assembly of the City of Belgrade (2015).
- Anniversary Award for Distinguish Contribution in Research and Teaching Activities, Faculty of Electronic Engineering, University of Niš (1995)
- Golden Award for Research and Teaching Achievements, University of Niš (1995)
- Niš City Liberation Anniversary Award for Distinguished Contribution to the Science Development, Community of Niš (1988)
- University Award for Advancement of Science, University of Niš (1985)
- Anniversary Award for Teaching and Research Achievements, Faculty of Electronic Engineering, University of Niš (1980 and 1985);

Dedication Conferences:

- ***International Mathematical Conference Analysis, Approximations and Applications (AAA2023) dedicated to Academician Gradimir V. Milovanović on the Occasion of His 75th Anniverary*** (Vrnjačka Banja, Serbia, June 21 – 24, 2023) [Organizer: Prof. Marija P. Stanić].
- ***MICOPAM 2018 - The Mediterranean International Conference of Pure & Applied Mathematics and Related Areas dedicated to Professor Gradimir V. Milovanović on the Occasion of his 70th Anniversary*** (Antalia, Turkey, October 26 – 29, 2018) [Organizers: Profesors Yilmaz Simsek and Mustafa Alkan].
- ***International Conference on Approximation & Computation in Honor of the 60th Anniversary of Professor Gradimir V. Milovanović*** (University of Niš, Serbia, August 25 – 29, 2008) [Organizer: Prof. Ljubiša Kocić].

Dedication Books and Special Issues of Scientific Journals:

- ***Analysis, Approximation, Optimization: Computation and Applications - In Honor of Gradimir V. Milovanović on the Occasion of His 75th Anniversary*** (M.P. Stanić, M. Albijanić, D. Djurčić, M.M. Spalević, Editors), Springer Optimization and Its Applications 224, Springer, 2025.
- ***The Life Path and Scientific Career of Academician Professor Gradimir V. Milovanović***, M.M. Spalević, M.P. Stanić, In: *Analysis, Approximation, Optimization: Computation and Applications*, Springer Optimization and Its Applications 224, Springer, 2025, pp. 3-19.
- ***Recent Advances in General Inequalities on Pure & Applied Mathematics and Related Areas - An Issue Dedicated to G. V. Milovanović*** (A. Guessab, Y. Simsek, Editors), Special Issue of *Journal of Inequalities and Applications* **2019/2020/2021**, Springer [<https://www.springeropen.com/collections/micopam2019>]
- ***Proceedings of the first Mediterranean International Conference of Pure&Applied Mathematics and Related Areas (MICOPAM 2018)*** (Y. Simsek, M.M. Spalević, Guest Editors), *Filomat* **34** (2) (2020), 273 – 689.
- ***Gradimir Milovanović—a master in approximation and computation Part II***, Th.M. Rassias, M.M. Spalević, *Appl. Anal. Discrete Math.* **14** (2020), no. 3, 528–559.
- *Applicable Analysis and Discrete Mathematics* **14** (2020), no. 3, 528–818 [Special Issue, Part I: “Dedicated to Academician Professor Gradimir Milovanović on the occasion of his 70th birthday” (Th.M. Rassias, M.M. Spalević, Guest Editors)]
- ***Gradimir Milovanović—a master in approximation and computation Part I***, Th.M. Rassias, M.M. Spalević, *Appl. Anal. Discrete Math.* **13** (2019), no. 3, 643–648.
- *Applicable Analysis and Discrete Mathematics* **13** (2019), no. 3, 643–926 [Special Issue, Part II: “Dedicated to Academician Professor Gradimir Milovanović on the occasion of his 70th birthday” (Th.M. Rassias, M.M. Spalević, Guest Editors)]
- ***Approximation and Computation: In Honor of Gradimir V. Milovanović*** (W. Gautschi, G. Mastroianni, Th.M. Rassias, Editors), Springer Optimization and Its Applications 42, Springer, New York, 2011, XVIII+480 pp. [ISBN: 978-1-4419-6593-6]
- ***The scientific work of Gradimir V. Milovanović***, A. Ivić, In: *Approximation and Computation*, pp. 3–32, Springer Optim. Appl. 42, Springer, New York, 2011.
- ***My collaboration with Gradimir V. Milovanović***, W. Gautschi, In: *Approximation and Computation*, pp. 33–43, Springer Optim. Appl. 42, Springer, New York, 2011.
- ***On Some Major Trends in Mathematics***, Th.M. Rassias, In: *Approximation and Computation*, pp. 45–49, Springer Optim. Appl. 42, Springer, New York, 2011.

Projects:

- Individual project # Φ -96 (Serbian Academy of Sciences and Arts): *Interpolation and Quadrature Processes Based on Orthogonality Theory* (2007 –)
- Leader of the project # OI 174015 (Serbian Ministry of Education and Science): *Approximation of Integral and Differential Operators and Applications* (2011 – 2015)
- Participant in the project # III 44006 (Serbian Ministry of Education and Science): *Development of New Information and Communication Technologies, Based on Advanced Mathematical Methods, with Applications in Medicine, Telecommunications, Power Systems, Protection of National Heritage and Education* (2011 – 2015)
- Leader of the Serbian Team in SCOPES Joint Research Project No. IB7320-

111079 (Swiss National Scientific Foundation): *New Methods for Quadrature* (2006 – 2008)

- Leader of the project # 144004 (Serbian Ministry of Science and Technological Development): *Orthogonal Systems and Applications* (2006 – 2010)
- Leader of the project # 2002 (Serbian Ministry of Science and Environmental Protection): *Applied Orthogonal Systems, Constructive Approximation and Numerical Methods* (2002 – 2005)
- Leader of the project 04M03 (Serbian Ministry of Science): *Methods and Models in Theoretical, Applied and Industrial Mathematics* (1996 – 2000)
- Leader of a subproject in 0401 (Serbian Ministry of Science): *Contemporary Problems of Mathematics* (1991 – 1995)
- Participant in the Project *Mathematics with Applications* (1986 – 1990)

Ph.D. Thesis Supervised:

- **Ljiljana D. Petković**, *On some approximations by disks* (University of Kragujevac, 1985)
- **Milan A. Kovačević**, *Approximation of some classes of functionals with respect to nonclassical weights* (University of Niš, 1987)
- **Gospava B. Đorđević**, *Contribution to theory of polynomials defined by recurrence relations* (University of Niš, 1990)
- **Predrag Stanimirović**, *Software package for calculating generalized inverses* (University of Niš, 1996)
- **Nenad P. Cakić**, *Generalizations and new representations of Stirling's numbers with an application to generation of new associated numbers and polynomials* (University of Niš, 1996)
- **Miodrag M. Spalević**, *Numerical integration and some types of polynomial orthogonality* (University of Kragujevac, 1997)
- **Đorđe R. Đorđević**, *Software system in numerical integration and cubatures of decomposition type* (University of Niš, 1997)
- **Predrag M. Rajković**, *New types of orthogonality in theory of polynomials and their application* (University of Niš, 1998)
- **Dojčin S. Petković**, *Convergence of Pade approximants and asymptotic properties of orthogonal polynomials* (University of Priština, 1998)
- **Aleksandar S. Cvetković**, *Nonstandard orthogonality and quadrature formulae* (University of Niš, 2004)
- **Marija Stanić**, *Generalized quadratures of Gaussian type* (University of Kragujevac, 2007)
- **Zlatko Udovičić**, *Splines in numerical integration* (University of Sarajevo, 2010)
- **Marjan Matejić**, *Development of rational algorithms for constructing orthogonal polynomials in one variable* (University of Kragujevac, 2016)
- **Nevena Vasović**, *Some modifications of classical measures, corresponding orthogonal polynomials and quadratures of Gaussian type* (University of Kragujevac, 2021)

Editorial Activities (selected):

- *Publication Institut Mathématique* (Beograd) (N.S.) [Editor-in-Chief, 2011 –]
- *Bulletin, Classe des Sciences Mathématiques et Naturelles, Sciences mathématiques, Serbian Academy of Sciences and Arts*, Belgrade [Editor-in-Chief, 2015 –]
- *Optimization Letters*. Springer [Associate Editor, 2014 –]
- *Journal of Computational and Applied Mathematics* [Guest Editor]
- *Facta Universitatis. Series: Mathematics and Informatics*. [Founder and Editor-in-Chief 1986– 2008, Member of Editorial Board, 2009 –]
- *Applicable Analysis and Discrete Mathematics* (Formerly: *Univ. Beograd. Publ. Elektrotehn. Fak. Ser. Mat.*) [Editorial Advisory Board]
- *Demonstratio Mathematica* [Editorial Advisory Board]
- *FILOMAT* [Section Editor]
- *Armenian Journal of Mathematics* [Member of Editorial Board]
- *Kragujevac Journal of Mathematics* [Member of Editorial Board]
- *Journal of Numerical Analysis and Approximation* (Formerly: *Revue d'Analyse Numérique et de Théorie de l'Approximation*) [Editor]
- *Studia Universitatis Babeş-Bolyai Mathematica* [Member of Editorial Board]
- *Yugoslav Journal of Operations Research* [Member of Editorial Board]
- *Novi Sad Journal of Mathematics* [Member of Editorial Board]
- *Applied Mathematics and Computation*. Elsevier [Associate Editor, 2009 – 2019]
- *Journal of Inequalities and Applications*. Springer [Editor-in-Chief, 2016 – 2019]
- *Annals of Functional Analysis*. Springer [Associate Editor, 2010 – 2023]
- *Banach Journal of Mathematical Analysis* [Editorial Advisory Board, 2007 – 2010]

Research Interests:

- Orthogonal Polynomials, Orthogonal Systems and Special Functions
- Interpolation, Quadrature Processes and Integral Equations
- Approximations by Polynomials, Splines and Linear Operators
- Numerical and Optimization Methods
- Polynomials (Extremal Problems, Inequalities, Zeros)
- Iterative Processes and Inequalities

Plenary and Invited Lectures (after 2000):

- ***William Norrie Everitt (1924–2011), Foreign Member of SASA***, 100th Anniversary of the Birth of W.N. Everitt (December 20, 2024, Serbian Academy of Sciences and Arts, Belgrade, Serbia).
- ***Quadrature Formulas for Integral Equations***, XIV Symposium Mathematics and Applications, University of Belgrade, Mathematical Faculty (December 6–7, 2024, Belgrade, Serbia).
- ***Iterative-quadrature processes for nonlinear Volterra-Fredholm integral equations***, International Workshop on Nonlinear Analysis and its Applications - IWNAA2024 (November 13–15, 2024, Belgrade, Serbia).
- ***Orthogonality in the Complex Plane***, The 7th Mediterranean International Conference of Pure & Applied Mathematics and Related Areas – MICOPAM 2024 (October 26–29, 2024, Antalya, Turkey).

- ***Orthogonality on the Unit Semicircle in the Complex Plane, Part II***, XIII Symposium Mathematics and Applications, University of Belgrade, Mathematical Faculty (December 1–2, 2023, Belgrade, Serbia).
- ***Orthogonal Laurent-Gegenbauer Polynomials on the Semicircle and the Corresponding Quadratures of Gaussian Type***, The International School Conference Data Analytics, Networks and Approximation – DANA 2023 (October 2–6, 2023, Mathematical Center Sirius, Sochi, Russia).
- ***Complex Orthogonality on the Semicircle and Numerical Integration and Differentiation***, The 6th Mediterranean International Conference of Pure & Applied Mathematics and Related Areas – MICOPAM 2023: Dedicated to Professor Yilmaz Simsek on the Occasion of His 60th Anniversary (August 23–27, 2023, Paris, France).
- ***Orthogonality on the Unit Semicircle in the Complex Plane***, XII Symposium Mathematics and Applications, University of Belgrade, Mathematical Faculty (December 2–3, 2022, Belgrade, Serbia).
- ***Quadrature Processes and Their Applications***, Science and Small Countries: Sinergy of the Diaspora, The Motherland & Friends of Montenegro (November 2–3, 2022, Podgorica, Montenegro).
- ***Methods for Slowly Convergent Series and Applications to Special Functions***, Mediterranean International Conference of Pure & Applied Mathematics and Related Areas – MICOPAM 2022 (October 27–30, 2022, Antalya, Turkey).
- ***Generalized Quadrature Formulas of Gaussian Type***, International Conference on Functional Analysis, Approximation Theory and Numerical Analysis – FAATNA 20 > 22 (July 5–8, 2022, Matera, Italy).
- ***Quadrature Processes in Electromagnetic Field Problems and Telecommunications***, ISADET – International Symposium on Advanced Engineering Technologies, (June 16–18, 2022, Kahramanmaras, Turkey).
- ***Generalized Quadrature Processes of Gaussian Type: New Directions and Applications***, Recent Advances in Mathematical Sciences with Applications in Engineering and Technology, Golden Jubilee Celebration of Vijnana Parishad of India (June 16–18, 2022, New Delhi, India) – online.
- ***Orthogonality on the Semicircle and Applications: Old and New Results***, International Conference Numerical Methods for Large Scale Problems, NMLSP 2022: Dedicated to Professor Lothar Reichel, Kent State University, OHIO, USA, on the Occasion of His 70th Anniversary (June 6–10, 2022, Belgrade, Serbia).
- ***Construction of Power Orthogonal Polynomials: a Door for Gaussian Quadrature Formulas With Multiple Nodes***, International Conference MNA2022: Mathematics, Numerics and Applications: Dedicated to Professor Miodrag M. Spalević on the Occasion of His 60th Anniversary (June 1–3, 2022, Budva, Montenegro).
- ***Acceleration of Iterative Processes in Banach Space and an Application to Nonlinear Volterra-Fredholm Integral Equations of the Second Kind***, Third International Workshop on Nonlinear Analysis and its Applications - IWNAA2021 (October 13 – 16, 2021, Niš, Serbia).
- ***Markov L^2 Extremal Problems With the Classical Weight Functions***, 8th International Conference on Recent Advances in Pure and Applied Mathematics – ICRAPAM-2021 (September 24 – 27, 2021, Bodrum/Mugla, Turkey).
- ***Orthogonal Systems in the Complex Plane and Quadrature Processes***, Session: Numerical Integration, Integral Equations and Transforms, 5th Dolomites Workshop on Constructive Approximation and Applications (September 6 – 10, 2021, Alba di Canazei, Italy).

- ***Generalized Quadrature Formulas of Birkhoff-Young Type***, 7th International Conference on Recent Advances in Pure and Applied Mathematics – ICRAPAM-2020 (September 25 – 28, 2020, Bodrum, Turkey).
- ***Orthogonal Systems in the Complex Plane and Applications in Numerical Integration***, 2nd International Conference on Stochastic Processes and Algebraic Structures (September 30 – October 2, 2019, Västerås, Sweden).
- ***Orthogonality on the Semicircle in the Complex Plane and Quadrature Formulas***, 2th Mediterranean International Conference of Pure & Applied Mathematics and Related Areas– MICOPAM-2019 (August 28 – 30, 2019, Université d'Evry-Vald'Essonne, Paris, France).
- ***Methods for Numerical Construction of s -Orthogonal Polynomials***, 6th International Conference on Recent Advances in Pure and Applied Mathematics – ICRAPAM-2019 (July 12 – 15, 2019, Istanbul Medeniyet University, Istanbul, Turkey).
- ***Factorization of Polynomials and S.B. Prešić's Contribution***, Scientific Conference Dedicated to Prof. Dr. Slaviša Prešić (1933--2008) (December 14, 2018, Belgrade, Serbia).
- ***The Serbian School of Mathematics – From Mihailo Petrović to the Shanghai List***, The Conference Mihailo Petrović Alas: Life, Work, Times – On the Occasion of the 150th Anniversary of His Birth (October 2 – 3, 2018, Serbian Academy of Sciences and Arts, Belgrade, Serbia).
- ***Some Classes of Orthogonal Polynomials in the Complex Plane and Applications***, Numerical Analysis and Approximation Theory – NAAT 2018 (September 6–9, 2018, Cluj-Napoca, România).
- ***Constructive Theory of Orthogonal Polynomials and New Applications***, 14th Serbian Mathematical Congress (May 16–19, 2018, Kragujevac, Serbia).
- ***Special Quadrature Processes for Summation of Slowly Convergent Series***, DMS Colloquium (April 10, 2018, Auburn University, College of Sciences and Mathematics, AL, USA).
- ***Walter Gautschi and the Constructive Theory of Orthogonal Polynomials***, Purdue Conference on Scientific Computing and Approximation in honor of Prof. Walter Gautschi on the occasion of his 90th birthday (March 30–31, 2018, Purdue University, West Lafayette, IN, USA).
- ***Walter Gautschi – A Master in Approximation and Computation***, International Conference ACTA 2017: Approximation and Computation – Theory and Applications, Dedicated to Professor Walter Gautschi on the Occasion of his 90th Anniversary (November 30 – December 2, 2017, Belgrade, Serbia).
- ***Summation and Quadrature Processes for Slowly Convergent Series***, Workshop “Effective Numerical Methods for Decision Support ENuMDeS-17” (September 11–12, 2017, UH1-EST Berrechid, Morocco).
- ***Summation and Quadrature Processes for Slowly Convergent Series***, International Conference on Recent Advances in Pure and Applied Mathematics – ICRAPAM-2017 (May 11 – 15, 2017, Kusadasi – Aydin, Turkey).
- ***Computing Integrals of Highly Oscillatory Special Functions Using Quadrature Processes***, Session: Numerical Integration, Integral Equations and Transforms, 4th Dolomites Workshop on Constructive Approximation and Applications (September 8 – 13, 2016, Alba di Canazei, Italy).

- ***Nonstandard Quadratures and Applications in the Fractional Calculus***, International Conference Mathematical and Informational Technologies – MIT 2016 (August 28 – 31, Vrnjačka Banja, Serbia).
- ***Quadrature Methods for Computing Highly Oscillatory Integrals With Bessel Functions***, International Conference on Analysis and its Applications – ICAA-2016 (July 12 – 15, 2016, Kirsehir, Turkey).
- ***Efficient Quadrature Processes for Computing Integrals of Highly Oscillatory Functions and Some Classes of Special Functions***, 15th International Conference on Applied Mathematics and Computer Science (July 4 – 7, 2016, Cluj-Napoca, România).
- ***Methods for Computation of Slowly Convergent Series and Finite Sums Based on Gauss-Christoffel Quadratures***, Université des Sciences et de la Technologie Houari Boumédiène, Faculté des Mathématique (February 2, 2016, Algeria).
- ***Gaussian quadrature formulas for singular integrals and some applications in integral equations***, Mechanics through Mathematical Modelling MTMM2015, In the Honour of 70th Birthday of Academician Teodor Atanacković (September 7 – 10, 2015, Novi Sad, Serbia).
- ***Generalized weighted Birkhoff-Young quadratures with the maximal degree of precision***, New Trends in Numerical Analysis: Theory, Methods, Algorithms and Applications (NETNA2015 – A conference dedicated to Professor Francesco A. Costabile on his 70th birthday) (June 18 – 21, 2015, Falerna (CZ), Italy).
- ***Generalized Gaussian quadratures for singular integrals and applications***, The 28th International Conference of The Jangeon Mathematical Society (May 15 – 19, 2015, Akdeniz University Antalya, Turkey).
- ***Construction and Applications of Gaussian Quadratures with Nonstandard and Exotic Weight Functions***, Numerical Analysis and Approximation Theory – NAAT 2014 (September 17 – 20, 2014, Cluj-Napoca, Romania).
- ***Generalized Quadrature Formulae and Multiple Orthogonal Polynomials***, 22nd International Conference on Finite or Infinite Dimensional Complex Analysis and Applications (August 8 – 12, 2014, Donguk University, Gyeongju, South Korea).
- ***Some Quadrature Rules for Numerical Approximation of the Fractional Derivatives***, 7th Minisymposium "Transform Methods and Special Functions" (TMSF'14) in frames of "Mathematics Days in Sofia" (MDS 2014) (July 6 - 10, 2014, Sofia, Bulgaria), Dedicated to the 80th anniversary of Professor Ivan Dimovski.
- ***Nonstandard Quadratures of Gauss-Lobatto Type and Some Applications***, Days of Analysis in Novi Sad – DANS14 (July 3 – 7, 2014, Novi Sad, Serbia). In the honor of Professor Bogoljub Stanković on the occasion of his 90th birthday.
- ***Numerical Methods for Fredholm Integral Equations with Periodic Solutions***, 3rd International Conference "Contemporary Problems of Mathematics, Mechanics and Informatics" (CMMMI 2014) (June 15 – 17, 2014, Novi Pazar, Serbia).
- ***Fast Summation Methods Based on Quadratures of Gaussian Type***, 13th Serbian Mathematical Congress (May 22 – 25, 2014, Vrnjačka Banja, Serbia).
- ***Numerical Method for Fredholm Integral Equations with Periodic Solutions***, International Workshop on Approximation Theory and Applications (September 11 – 13, 2013, Refreddo, Potenza, Italy). Dedicated to Giuseppe Mastroianni on the occasion of his retirement.
- ***Integral Equations of Love's Type and Applications***, Mathematical and Informational Technologies – MIT 2013 (September 5 – 8, 2013, Vrnjačka Banja, Serbia).

- ***Methods for Computation of Slowly Convergent Series and Finite Sums Based on Gauss-Christoffel Quadratures***, IV Jaen Conference on Approximation Theory (June 23 – 27, 2013, Ubeda, Jaen, Spain).
- ***Numerical Integration of Analytic Functions***, Numerical Methods and Applied Mathematics 2012, Minisymposium Approximation, Scientific Computation and Applications – ASCA-2012 (September 18 – 23, 2012, Kos, Greece)
- ***Discrete Inequalities of Wirtinger's Type: Method of Orthogonal Polynomials and Applications***, The Joint International Congress of the American and South African Mathematical Societies (November 29 – December 3, 2011, Port Elizabeth, South Africa).
- ***Special Classes of Orthogonal Polynomials and Corresponding Quadratures of Gaussian Type***, International Conference "Transform Methods & Special Functions "2011" (October 20 – 23, 2011, Sofia, Bulgaria). On occasion of 80th anniversary of Professor Peter Rusev.
- ***Multiple Orthogonal Polynomials and Generalized Quadrature Formulae***, International Conference on Scientific Computing SC2011 (October 10 – 14, 2011, S. Margherita di Pula, Sardinia, Italy). A Conference to celebrate the 70th birthday of Claude Brezinski and Sebastiano Seatzu and the 20th anniversary of the Springer journal Numerical Algorithms.
- ***Generalized Quadrature Processes***, International Conference "Mathematical and Informational Technology" – MIT– 2011 (August 27 – 31, 2011, Vrnjačka Banja, Serbia).
- ***Gaussian Rules for Müntz Systems in the BIM***, 4th Serbian-Greek Symposium "Recent Advances in Mechanics" (July 9 – 10, 2011, Vlasina Lake – Surdulica, Serbia).
- ***Factorial Functions and Generalizations***, II Symposium Mathematics and Applications (May 27 – 28, 2011, Faculty of Mathematics, University of Belgrade, Belgrade, Serbia).
- ***Numerical Quadratures and Multiple Orthogonal Polynomials***, Numerical Analysis and Approximation Theory – NAAT 2010 (September 23 – 26, 2010, Cluj-Napoca, România).
- ***Numerical Treatment of Fredholm Integral Equations***, International Conference "Mathematical and Informational Technologies" – MIT– 2009 (August 27 – 31, 2009, Kopaonik, Serbia).
- ***Some Classes of Generalized Quadratures: Construction and Analysis***, 6th International Conference on Functional Analysis and Approximation Theory – FAAT 2009 (September 24 – 30, 2009, Acquafredda di Maratea, Italy).
- ***Some Extensions of Gaussian Quadratures***, Conference on Approximation Theory, dedicated to the 70th Birthday of Jozsef Szabados (July 6 – 12, 2008, Alfréd Rényi Institute of Mathematics, Budapest, Hungary).
- ***Generalized Interpolation Problem and Corresponding Gaussian Quadratures***, Constructive Theory of Functions (June 3 – 9, 2008, Campos do Jordão, Brasil).
- ***Well-Conditioned Matrices for Numerical Treatment of Fredholm Integral Equations***, Applied Linear Algebra – ALA 2008 (In honor of Ivo Marek) (April 28 – 30, 2008, Novi Sad, Serbia).
- ***Quadrature Formulae With Multiple Nodes and a Maximal Trigonometric Degree of Exactness***, 6th International Congress in Industrial and Applied Mathematics – ICIAM 07 (July 16 – 20, 2007, Zürich, Switzerland).

- ***Orthogonality in Numerical Processes***, Republic Seminar on Teaching Mathematics and Computer Sciences in Elementary and Secondary Schools (January 12 – 13, 2007, Belgrade, Serbia).
- ***Interval Quadrature Rules for Arbitrary Continuous Weights***, XVII Conference on Applied Mathematics PRIM 2006 (September 25 – 27, 2006, Kragujevac) & International Conference on Numerical and Applied Mathematics ICNAM – 2006 (September 27-30, 2006, Kragujevac).
- ***Formal orthogonal polynomials with respect to a moment functional and applications***, Topics in Mathematical Analysis and Graph Theory (September 1 – 4, 2006, Belgrade, Serbia).
- ***Generalized Gaussian Quadrature Formulas for Müntz Systems***, Sixth International Conference on Numerical Methods and Applications – NMA'06 (August 20 – 24, 2006, Borovets, Bulgaria).
- ***Gaussian Quadratures Based on Operator Values***, Numerical Analysis and Approximation Theory – NAAT 2006 (July 5 – 8, 2006, Cluj-Napoca, România). Photos of NAAT 2006
- ***Interval Gaussian Quadratures and Their Generalizations***, III Congress of Mathematicians of Macedonia (September 29 – October 2, 2005, Struga, Macedonia).
- ***Müntz Orthogonal Systems and Related Gaussian Quadrature Rules***, Contemporary Mathematics, Physics and Biology, Workshop devoted to the 25th Anniversary of Faculty of Science (September 8 – 9, 2005, Podgorica, Montenegro).
- ***Nonstandard Quadratures of Gaussian Type***, South African Society for Numerical and Applied Mathematics – SANUM 2005 (March 30 – April 1, 2005, University of Stellenbosch, South Africa).
- ***Gaussian Quadrature Formulae of Non-Standard Type***, 5th International Conference on Functional Analysis and Approximation Theory FAAT 2004 (June 16 – 23, 2004, Acquafredda di Maratea, Italy).
- ***Orthogonal Polynomials and Gaussian Quadrature Rules Related to Oscillatory Weight Functions***, Conference on Orthogonal Functions and Related Topics in honor of Professor Olav Njåstad (August 12 – 16, 2003, Røros, Norway).
- ***Quadratures of Gauss-Stancu Type: Construction and Error Analysis***, International Symposium on Numerical Analysis and Approximation Theory (May 9–11, 2002, Cluj-Napoca, România).
- ***Quadrature Processes for Several Types of Quasi-singular Integrals Appearing in the Electromagnetic Field Problems***, 5th International Conference on Applied Electromagnetics PES 2001 (October 8-10, 2001, Niš, Serbia).
- ***Orthogonal polynomials on the radial rays in the complex plane and applications***, Fourth International Conference on Functional Analysis and Approximation Theory, Italy (September 22-28, 2000, Acquafredda di Maratea, Italy).

Courses Taught:

- Numerical Analysis
- Approximation Theory
- Linear Algebra
- Real Analysis
- Special Functions
- Mathematical Programming

Visiting Professorship:

- Université des Sciences et de la Technologie *Houari Boumédiène*, Faculté des Mathématiques, Algeria (January/February 2016) [**Approximation Theory** Course at Doctoral Studies]
- University of Basilicata, Potenza, Italy (about ten one-month stays during 1991-2008)
- University of Pau, France (1987, 1990, 1992, 1994)
- Purdue University, USA (1985, 1989)

Erdős Number: 2 (over Arun Kumar Varma)

- G.V. Milovanović, A.K. Varma, On Birkhoff (0,3) and (0,4) quadrature formulae, *Numer. Funct. Anal. Optim.* 18 (1997), 427–433]

Citations (Last updated: February 28, 2026)

MathSciNet:

- Citations: **1963**
- Total Publications: **382**
- Total Reviews: **186**

Web of Science:

- Publications in web of science: **260**
- Sum of times cited: **2428**
- h-index: **23**

Google Scholar:

- Documents: **475**
- Total citations: **8165**
- h-index: **43**
- i10-index: **188**

Scopus:

- Documents: **247**
- Total citations: **2428**
- h-index: **24**

Research Gate:

- Documents: **527**
- Total citations: **5525**
- h-index: **32**

Selected Publications

I. Monographs (with citations on Google Scholar)

- R.B. Gardner, N.K. Govil, **G.V. Milovanović**: *Extremal Problems and Inequalities of Markov-Bernstein Type for Algebraic Polynomials*, Mathematical Analysis and Its Applications. Elsevier/Academic Press, London, 2022, XVIII+424 pp. [ISBN: 9780128119884] (cited 51)
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