

Prof. Dr Predrag Rajković



Full Professor in Mathematics and Informatics

*(Special Functions, Numerical Analysis, Optimization,
Computer graphics and Programming)*

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RESEARCH INTERESTS

- ◆ *Special functions (MSC:33)
Q-calculus (basic hypergeometric functions), Special transformations*
- ◆ *Numerical Analysis (MSC: 65)
Orthogonal polynomials, Numerical integration, Approximation theory*
- ◆ *Combinatorics (MSC: 05)*
- ◆ *Computer graphics(MSC: 68U)*
- ◆ *Mathematical programming (MSC: 90C)*

WORK EXPERIENCE

- ◇ **2009. Full professor for mathematics and informatics
(special functions, analysis, programming, geometry, optimization)**
University of Nis, Faculty of Mechanical Eng., Department for Mathematics
- ◇ **2004. High assistant professor for mathematics and informatics
(numerical analysis, programming and geometry)**
University of Nis, Faculty of Mechanical Eng., Department for Mathematics
- ◇ **1999. Assistant Professor for Numerical Analysis,
Computer Programming and Geometry**
University of Nis, Faculty of Mechanical Eng., Department for Mathematics
- ◇ **1984. Research and teaching assistant for mathematics
(Numerical Analysis, Computer Programming, Geometry and Calculus)**
University of Nis, Faculty of Mechanical Eng., Department for Mathematics

Work Engagement on the Other Institutions

1. 2007. - High school for Applied Studies, Vranje-Serbia
(Professor for Calculus II)
2. High School for Railway Studies, 2009-2012.
(Professor for Calculus I and II and Calculus in Economy)
3. State University of Novi Pazar, 2015.
(Professor for Drawing Geometry)

EDUCATION

Doctoral Dissertation (1998)

“New Types of Orthogonality of Polynomials and Their Applications”

Scientific Area: Numerical Analysis

University of Niš, Faculty of Sciences and Mathematics.

Master’s Thesis (1991)

“ Complex Orthogonal Polynomials and Their Applications”,

Scientific Area: Numerical Analysis, Approximating theory, Quadrature, Orthogonal Polynomials, Differential Equations, Programming.

University of Niš, Faculty of Sciences and Mathematics.

Bachelor of Mathematics (1983)

University of Niš, Faculty of Sciences and Mathematics.

INTERNATIONAL RESEARCH PROJECTS

- 1. Multimedia Technology for Mathematics and Computer Science Education, 2002.-2008.**
Partner in the project within the DAAD-Sonderprogramm Akademischer Neuaufbau Südosteuropa in the framework of the Stability Pact for South Eastern Europe (leader of the project: prof. dr Konrad Polthier)
- 2. Tempus project 145009-Tempus-2008-RS-JPHES, 2010-2012,**
Conversion Courses for Unemployed University Graduates in Serbia CONCUR.
- 3. Integral Transform Methods, Special Functions And Applications,**
(Project ID_02_2009), National Science Fund, Ministry of Education and Science of Bulgaria, Project Leader: Dr. Virginia Kiryakova, Bulgarian Academy of Sciences (as a foreign member of the team with other researchers from Bulgaria, Germany, Spain, Belarus).

SCHOLARSHIPS AND AWARDS

- 1. Erasmus Plus project, Czech Republik, 2018**
Masaryk University; Host: prof. dr Franz Hinterleitner
June 25-30, 2018
2 lectures: “*New trends in the theory and applications of orthogonal polynomials*”
- 2. Foreign examiner for doctoral dissertation, Ireland, 2017**
Waterford Insitute, candidate: Arnold Mwafise; Advisor: prof. dr Paul Barry
March 25-30, 2017
Lecture: “*New Developments in q-Calculus and Its Applications*”
- 3. The Charter of Mechanical Engineering for outstanding contribution**
(Povelja Mašinskog fakulteta za izuzetan doprinos razvoju fakulteta)
20. Decembra 2013.
- 4. Foreign examiner for doctoral dissertation, Ireland, 2011**
Waterford Insitute, candidate: Aoife Hennessy Advisor: prof. dr Paul Barry
August 25-30, 2011
Lectures: “*Hankel determinants*”
- 5. DAAD-scholarship, Germany,**
University in Kassel, Germany, June, 2008. Visiting professor with lecture
On q-Holonomic Equations and Programs for their Solving,
Oberseminar Computational Mathematics, Kassel, Germany, 2008.

6. DAAD-scholarship, Germany

November-December, 2004. at University in Kassel, Germany

Host: prof. dr. Wolfram Koepf,

AG Computational Mathematics Fachbereich Mathematik / Informatik

<http://www.mathematik.uni-kassel.de/~koepf/>

Theme: “*On q-difference equations and their role in the investigation of the orthogonal polynomials and special number sequences*”

ADVISOR'S WORK

A) Advisor of doctoral dissertation in mathematics

1. candidate: mr Sladana D. Marinković,

The Applications Of The Basic Hypergeometric Functions In The Theory Of Orthogonality And Numerical Mathematics,

doctoral dissertation in mathematics, University of Niš, Faculty of Mathematics and Natural Sciences, Niš, 2005.

B) Coadvisor of doctoral dissertation in mathematics

2. candidate: Marko D. Petković,

The Symbolic Computing Of Hankel Determinants And Generalized Matrix Inverses,

doctoral dissertation in mathematics and informatics, University of Niš, Faculty of Mathematics and Natural Sciences, 2008.

C) Coadvisor of master thesis in mathematics

3. candidate: Savić Nataša, coadvisor,

Generating Functions And Riordan Sequences With Applications On Hankel Determinants And Combinatorial Interpretation

Magister thesis in mathematics and informatics, University of Niš, Faculty of Mathematics and Natural Sciences, 2012.

D) Membership in commissions for doctoral dissertations

1. **Predrag Dj. Simić**, commission member for Ph. D thesis in mechanical engineering, Faculty of Mechanical Engineering at University of Niš, 2018.

2. **Arnold Mwafise**, commission foreign member for Ph. D thesis in mathematics and informatics, Waterford Insitute, Ireland, 2017.
3. **Emina Petrović**, commission member for Ph. D thesis in mechanical engineering, Faculty of Mechanical Engineering at University of Niš, 2017.
4. **Sofija Pavlović**, commission member for Ph. D thesis in mechanical engineering, Faculty of Mechanical Engineering at University of Niš, 2017.
5. **Radica Bojičić**, commission for Ph. D thesis in mathematics and informatics at University of Niš, 2014.
6. **Milena Petrović**, commission for Ph. D thesis in mathematics and informatics at University of Niš, 2014.
7. **Ivan Pavlović**, commission for Ph. D thesis in mechanics, Faculty of Mechanical Engineering at University of Niš, 2012.
8. **Marko Miladinović**, commission member for Ph. D thesis in mathematics and Informatics at University of Niš, 2011.
9. **Aoife Hennessy**, commission foreign member for Ph. D thesis in mathematics and informatics, Waterford Insitute, Ireland, 2011.

MEMBER OF EDITORIAL BOARD

I am member of editorial board of journals:

1. International Journal of Applied Mathematics (IJAM), ISSN 1311-1728

REVIEWER

I am reiviewer for in the following journals:

2. Applied Mathematics and Compupation;
3. Journal of Computational and Applied Mathematics;
4. Mathematical Computation and Modelling;
5. Discrete Mathematical Analisys and Applications;
6. Fractional calculus and applied analysis;
7. Facta Universitatis;
8. FILOMAT
9. Mathematical Journal of Novi Sad

MONOGRAPHS AND BOOKS

- 1) **P.M. Rajković, S.D. Marinković and M.S. Stanković,**
Differential And Integral Calculus Of Basic Hypergeometric Functions
(monography) Nis, 2008. ISBN 978-86-80587-86-8
(Mathematical Subject Classification: 33D15, 33D60, 33D45,
33C45, 39A13, 11B65, 26D15, 26A33, 30C15, 41A30)
- 2) **Milan Gocić, Predrag M. Rajković,**
An introduction to Programming and Software Packages,
University of Nis, Faculty of Civil Engineering and Architecture, 2015.
- 3) **Lj. Petković, S. Tričković and P.M. Rajković,**
A Collection Of Tasks In Numerical Mathematics,
Faculty of Mechanical Engineering, Nis, 1997. ISBN 86-7369-012-9
- 4) **Lj. Petković, P.M. Rajković, M. Mitrović, Lj. Radović. D. Živković, D. Rakić,**
A Collection Of Mathematical Tasks For Future Students of Mechanical Engineering, Faculty of Mechanical Engineering, Nis, 2014.

PARTICIPATION IN SERBIAN SCIENTIFIC PROJECTS

- 1) **Dynamical Stability And Unstability Of Mechanical Systems Under Stochastical Disruption,**
Project of Ministry of Republic Serbia, 2011-2014.
- 2) **Deterministic and stochastic stability of mechanical systems,**
Project of Ministry of Republic Serbia, 2006-2010.
- 3) **Stability and nonlinear oscillations of viscoelastic composite platforms,**
Project of Ministry of Republic Serbia, 2001-2005.
- 4) **Methods and Models in theoretical and Applied Mathematics,**
Project of Mathematical Institute of Republic Serbia, 1996 - 2001.
- 5) **Project of Faculty of Mechanical Engineering in Nis,** 1996-2001.
- 6) **Mathematics with Applications,** Project of Mathematical Institute of Republic Serbia, 1991-1995.

CONFERENCE ORGANAZING COMMITTEES

I was and I am the member of organizing and scientific committee of the next conferences:

1. **SAUM** - Conference on Systems, Automatic Control and Measure, Niš, 2009., 2012, 2014., 2016, 2018.
2. **MASING** - The Second International Conference “Mechanical Engineering In The XXI Century”, Nis, 2011., 2013., 2015, 2017.
3. **TIL** - The Second International Conference “Mechanical Engineering In The XXI Century”, Nis, 2011., 2013., 2015, 2017.

PROFESSIONAL MEMBERSHIP

1. Serbian Society of Mathematics, Belgrade, Kneza Milosa 35, Serbia

PUBLICATIONS

A)	Papers published in refereed journals (SCI-list)	32
B)	Papers published in journals with international editorial board	23
C)	Papers published in the proceedings of international conferences	56
D)	Papers published in abstract-book of international conferences	14
E)	Papers in the national journals and proceedings of national conferences	4
F)	Papers published in the abstract-book of national conferences	1
Total		130

Total citations: 656

A) Papers published in refereed journals (SCI-list)

1. **Predrag M. Rajković** , Marko D. Petković, Slađana D. Marinković,
A Class of Orthogonal Polynomials Related to the Generalized Laguerre Weight with Two Parameters,
Computational and Applied Mathematics 38:10 (2019) , Springer,
<http://doi.org/10.1007/s40314-019-0783-y>, 22.01.2019 38:10,
ISSN: 0101-8205 (Print) 1807-0302 (Online)
IMPACT FACTOR 2017: 0.863 (M22)

2. Ana J. MOMČILOVIĆ, Gordana M. STEFANOVIĆ, **Predrag M. RAJKOVIĆ**, Nenad STOJKOVIĆ, Biljana B. MILUTINOVIĆ and Milica P. IVANOVIĆ,
The Organic Waste Fractions Ratio Optimization In The Anaerobic Co-Digestion Process For The Increasement Of Biogas Yield,
Thermal Science International Sci. Journal, vol. 22, Suppl. 5, pp. S1525-S1534 (M22)
ISSN: 0354-9836

3. **Predrag M. Rajković** , Miomir S. Stanković, Slađana D. Marinković,
The Laplace transform induced by the deformed exponential function of two variables,
Fractional Calculus and Applied Analysis, Vol. 21, Issue 3 (June, 2018) , pp. 775-785
(M21) URL:
<https://www.degruyter.com/view/j/fca.2018.21.issue-3/issue-files/fca.2018.21.issue-3.xml>
Print ISSN: 1311-0454 Online ISSN: 1314-2224
IMPACT FACTOR 2017: 2.865 5-year IMPACT FACTOR: 3.323

4. **Predrag M. Rajković** , Miomir S. Stanković, Slađana D. Marinković, Mokhtar Kirane,
On q-Steffensen Inequality,
Electronic Journal of Differential Equations, Vol. 2018 (2018), No. 112, pp. 1–11. ISSN:
1072-6691. URL: <http://ejde.math.txstate.edu> or <http://ejde.math.unt.edu> (M21)

5. Radica Bojičić, Marko D. Petković and **Predrag M. Rajković**,
Hankel transforms of generalized Motzkin numbers,
Mathematical Methods in the Applied Sciences vol. 40 (16) (2017), pp. 5810-5820
(ISSN)1099-1476 (M22)
- Article ID: MMA4430- DOI: 10.1002/mma.4430 Internal Article ID: 14181847, Nov 2017.

6. Wolfram Koepf, **Predrag M. Rajković** , Slađana D. Marinković,
On a connection between formulas about q-gamma functions, Journal of Nonlinear
Mathematical Physics, (ISSN) 1402-9251 (Print), 1776-0852 (Online) (M23)
Journal of Nonlinear Mathematical Physics, Vol. 23, No. 3 (2016) 343–350

7. **Predrag M. Rajković**, Franz Hinterleitner, Slađana D. Marinković,
Polynomials Associated With A Functional Product Of The Hermite Type,
Mathematical Methods in The Applied Sciences (2016) Vol. 39, pp. 2358–2367
(wileyonlinelibrary.com) DOI: 10.1002/mma.3645, (ISSN)1099-1476 (M22)

8. **Predrag M. Rajković** , Slađana D. Marinković, Miomir S. Stanković,
Orthogonal polynomials with varying weight of Laguerre type,
Filomat 29:5 (2015), 1053–1062 (M21) ISSN 0354-5180
DOI 10.2298/FIL1505053R (M22)

9. **Predrag M. Rajković** , Paul Barry and Marko D. Petković,
Sobolev orthogonal polynomials in computing of Hankel determinants,
Linear algebra and applications 437 (10) (2012), 2417–2428 (M22) ISSN 0024-3795
[Cited by 1](#)

10. Slađana D. Marinković, Miomir S. Stanković, **Predrag M. Rajković**,
Functions induced by iterated deformed Laguerre derivative: analytical and operational approach,
Abstract and Applied Analysis (2012) 1-17. ISSN 1085-3375
Hindawi Publishing Corporation Abstract and Applied Analysis Volume 2012,
Article ID 190726, 17 pages (M21)
11. Marko D. Petković, Paul Barry and **Predrag M. Rajković**,
Closed-form expression for Hankel determinants of the Narayana polynomials,
Czechoslovak Mathematical Journal, 62 (137) (2012), 39–57 (M23) ISSN 0011-4642
12. Miomir S. Stanković, Slađana D. Marinković, **Predrag M. Rajković**,
The deformed exponential functions of two variables in the context of various statistical mechanics, ISSN 0096-3003
Applied Mathematics and Computation 218 (2011) 2439–2448 (M21) [Cited by 2](#)
13. Miomir S. Stanković, Slađana D. Marinković, **Predrag M. Rajković**,
Deformed and modified Mittag-Leffler polynomials, ISSN 0895-7177
Mathematical and Computer Modelling 54 (2011) 721–728. (M21) [Cited by 3](#)
14. Marko D. Petković, **Predrag M. Rajković** and Paul Barry,
The Hankel transform of generalized central trinomial coefficients and related sequences,
Integral Transforms and Special Functions, Vol. 22, Issue 1 (2011), 29–44
(M21) ISSN 1065-2469 [Cited by 1](#)
15. Miomir S. Stanković, **Predrag M. Rajković**, Slađana D. Marinković,
On The Fractional q -Derivative Of Caputo Type, ISSN 1310-1331
Comptes rendus de l'Acad_emie bulgare des Sciences 63, No 2, 2010, 1-8. (M23)
16. Paul Barry, **Predrag M. Rajković**, Marko D. Petković,
An Application of Sobolev Orthogonal Polynomials to the Computation of a Special Hankel Determinant,
chapter of the book “Approximation and Computation” (In Honor of Gradimir V. Milovanović) Gautschi, Walter; Mastroianni, Giuseppe; Rassias, Themistocles (Eds.) 2011, XVIII, 482 p.
Series: Springer Optimization and Its Applications, Vol. 42 (2010), pp. 1-8.
(M13) ISBN 978-1-4419-6594-3 [Cited by 9](#)
17. **Predrag M. Rajković**, Slađana D. Marinković, Miomir S. Stanković,
A generalization of the concept of q -fractional integrals,
Acta Mathematica Sinica, English version, Vol. 25, No. 10 (2009), 1635-1646.
(M22) ISSN 1439-8516 [Cited by 5](#)
18. Slađana D. Marinković, **Predrag M. Rajković**, Miomir S. Stanković,
The inequalities for some types of q -integrals, ISSN 0898-1221
Computers and Mathematics with Applications 56 (2008) 2490–2498 (M21) [Cited by 12](#)

19. Ratko Pavlović, **Predrag Rajković**, and Ivan Pavlović,
Almost Sure Stability of a Moving Elastic Band, ISSN 0021-8936
Journal of Applied Mechanics, July 2008, Volume 75, Issue 4, 041016 (M22)
20. Ratko Pavlović, **Predrag M. Rajković**, I. Pavlović,
Dynamic stability of the viscoelastic rotating shaft subjected to random excitation, ISSN 0020-7403
International Journal of Mechanical Sciences, 50(2008), PP. 359-364. (M21)
[Cited by 7](#)
21. Wolfram Koepf, **Predrag M. Rajković**, Slađana D. Marinković,
Properties of q -Holonomic Functions,
Journal of Difference Equations and Applications, Vol. 13, No. 7 (2007), 621–638. (M21) [Cited by 2](#)
22. **Predrag M. Rajković**, Marko D. Petković, Paul Barry,
The Hankel Transform of the Sum of Consecutive Generalized Catalan Numbers,
Integral Transforms and Special Functions, Vol. 18, Issue 4, 2007, 285–296.
(M22)
23. Predrag Kozić, Ratko Pavlović, **Predrag M. Rajković**,
Moment Lyapunov Exponents and Stochastic Stability of a Parametrically Excited Oscillator,
Meccanica, Vol. 42 (2007) 323–330. (M22)
24. Ratko Pavlović, Predrag Kozić, **Predrag M. Rajković** and I. Pavlović,
Dynamic Stability of a Thin-Walled Beam Subjected to Axial Loads and End Moments,
Journal of Sound and Vibration 301 (2007) 690–700) (M21)
25. Miloš Ivković, Ivan Đordjević, **Predrag M. Rajković**, Bane Vasić,
Pulse Energy Probability Density Functions For Long-Haul Optical Fiber Transmission Systems By Using Instantons And Edgeworth Expansion,
IEEE Photonics Technology Letters, vol 19, No 20,(2007), 1604-1606. (M21)
26. **Predrag M. Rajković** , Slađana D. Marinković, Miomir S. Stanković,
On q -Orthogonal Polynomials Over A Collection Of Complex Origin Intervals Related To Little q -Jacobi Polynomials,
The Ramanujan Journal , Vol. 12, No. 2 (2006), 245-255. (M22)
27. **Predrag M. Rajković** , Slađana D. Marinković and Miomir S. Stanković,
On q -Newton-Kantorovich Method for Solving Systems of Equations,
Applied Mathematics and Computation, vol. 168/2 (2005) 1432-1448 . (M22)

28. Slađana D. Marinković, **Predrag M. Rajković**,
The q -Analogues Of Laguerre Polynomials Over a Collection of Complex Origin Intervals,
Integral Transforms and Special Functions, Vol. 16, No. 2 (2005), 159-169.
(M22)
29. Ratko Pavlović, Predrag Kozić, **Predrag M. Rajković**, **Influence of randomly varying damping coefficient on the dynamic stability of continuous systems**,
European Journal of Mechanics A/Solids, 24 (2005), 81-87. (M21)
30. Slađana D. Marinković, Bratislav Danković, Miomir S. Stanković, **Predrag M. Rajković**,
Orthogonality Of Some Sequences Of The Rational Functions And The Muntz Polynomials,
Journal of Computational and Applied Mathematics vol. 163, (2004), 419-427.
(R51b)
31. Ratko Pavlović, Predrag Kozić, **Predrag M. Rajković**, *Influence of transverse shear on the stochastic instability of viscoelastic beam*, International Journal of Solids and Structures, Stanford, California, Vol. 38,
Issues 38-39, September 2001, 6829-6837. (M21)
32. Gradimir V. Milovanović, **Predrag M. Rajković**,
On Polynomials Orthogonal on a Circular Arc,
J. Comp. Appl. Math., vol. 51, North Holland, 1994., 1-13 (M22)

B) Papers published in journals with international editorial board

1. Marko Mancic, Emina Petrovic, Vlastimir Nikolic, Milena Jovanovic, **Predrag Rajkovic** and Milos Simonovic,
Particle Swarm Optimization Of A Heat Pump Photovoltaic Energy System,
FACTA UNIVERSITATIS Series: Working and Living Environmental Protection
Vol. 13, No 3, 2016, pp. 165 - 176 DOI: 10.22190/FUWLEP1603165M (M24).
2. Bojan Pajić, Iraklis Vastardis, **Predrag M. Rajković**, Brigitte Pajic-Eggspuehler,
Daniel M. Aebersold, Zeljka Cvejic,
A mathematical approach to human pterygium shape,
Clinical Ophthalmology, 2016:10, pp. 1343–1349 ISSN: 1177-5483
DOI <https://doi.org/10.2147/OPHTH.S106611>
3. **Predrag M. Rajković**, Emina P. Petrović, Vlastimir D. Nikolić,
Computation Of The Shortest Distance Between Two Parametric Defined Objects By Particle Swarm Optimization,
Facta Universitatis, Series: Automatic Control and Robotics, Vol 14, No. 2 (2015)
pp. 77-86 Print ISSN: 1820-6417 Online ISSN: 1820-6425 (M24).

4. Slađana D. Marinković, **Predrag M. Rajković**, Miomir S. Stanković,
Deformed Exponentials, Operators And Modeling Population Growth,
Scientific publications of the state university of Novi Pazar,
Ser. A: Appl. Math. Inform and Mech. vol. 5, 2 (2013), 69-77.
ISSN 2217-5539 (M52).

5. Slađana D. Marinković, **Predrag M. Rajković**, Miomir S. Stanković,
The q-iterative methods in numerical solving of some equations with infinite products,
Facta Universitatis (Nis), Ser. Math. Inform. Vol. 28, No 4 (2013), 379–392
ISSN 0352-9665 (Print) ISSN 2406-047X (Online) (M51).

6. **Predrag M. Rajković**, Paul Barry, Nataša Savić,
Number sequences in an integral form with a generalized convolution property and Somos-4 Hankel determinants,
Mathematica Balkanica, New Series Vol. 26 (2012) Fasc. 1-2, 219-228.
(Proceedings of the 6th International Conference "Transform Methods & Special Functions'2011", 20–23 October 2011, Sofia–Bulgaria) ISSN 0205-3217 (M33)

7. Bratislav Danković, **Predrag M. Rajković**, Slađana D. Marinković,
On a class of almost orthogonal polynomials,
Lecture Notes in Computer Science 5434, (M23) Numerical Analysis and its Applications, Springer-Verlag
Berlin Heidelberg, (2009) 241—248. S. Margenov, L.G. Vulkov, and J. Waśniewski (Eds.): NAA 2008
Proceedings of The Fourth Conference on Numerical Analysis and Applications, June (2008), Lozenetz, Bulgaria. [Cited by 6](#)

8. **Predrag M. Rajković**, Slađana D. Marinković,
A comparison between different concepts of almost orthogonal polynomials,
Functional Analysis, Approximation and Computation 1:2 (2009), 37-46.

9. **Predrag M. Rajković**, S.D. Marinković, M.S. Stanković,
Fractional Integrals and Derivatives in q-Calculus,
Applicable Analysis and Discrete Mathematics, 1 (2007), 311–323. (M51)
[Cited by 131](#)

10. **Predrag M. Rajković**, S.D. Marinković, M.S. Stanković,
On q-Analogs of Caputo Derivative and Mittag–Leffler Function,
Fractional Calculus and Applied Analysis, (ISSN 1311-0454),
vol. 10, No 4 (2007), 359-374. [Cited by 8](#)

11. M. Stanković, **Predrag M. Rajković** and S.D. Marinković,
Inequalities Which Include q-Integrals,
Bulletin T. CXXXIII de l'Academie serbe des sciences et des arts,
Classe des Sciences mathématiques et naturelles,
Sciences Mathématiques, No 31, Beograd 2006, 137-146. (M51)

12. **Predrag M. Rajković**, M.S. Stanković and S.D. Marinković,
A Method For Numerical Evaluating Of Inverse Z-Transform,
Facta Universitatis, Nis, Ser. Mechanics, Automatic Control and Robotics,
Vol. 4, No 16, 2004 pp. 133-139 UDC 519.6(045)
13. **Predrag M. Rajković**, Milos Ivković, Marko Petković,
A Conjecture About Positivity Of The Polynomials Obtained By The Expanding Of A Product,
Mathematica Balkanica, New Series Vol. 18, 2004., Fasc. 3-4, 419-430.
(exposed at Minisymposium "Transform Methods and Special Functions"
Part of The Congress is organized by MATHematical
Society of SouthEastern Europe -MASSEE), 2003. Borovets, Bulgaria. [Cited by 2](#)
14. **Predrag M. Rajković**, M.S. Stanković and S.D. Marinković,
On q-Iterative Methods For Equation Solving,
Novi Sad Journal of Mathematics, vol 33, No 2, 2003., 127-137. (M51)
(Exposed at Conference of Applied Mathematics PRIM 2002, May 2002, Zlatibor,
Serbia, Yugoslavia). [Cited by 2](#)
15. **Predrag M. Rajković**, M.S. Stanković and S.D. Marinković,
Mean Value Theorems In q-Calculus,
Matematički vesnik 54 (2002), Beograd, 171-178. (M51)
(Proceedings of International Conference "Mathematical Analysis and Applications",
October 2002, Nis, Yugoslavia). [Cited by 12](#)
16. **Predrag M. Rajković**,
On Integration Of Nearly Singular Functions By The Quadratures Over The Semicircle With Equal Weights,
Facta Universitatis, Ser. Mechanics, Automatic Control and Robotics, vol. 3, No 12,
2002., 359-365
(Proc. of V Yugoslav Symposium on Nonlinear Mechanics, Nis, Yugoslavia, 2000.)
17. A. Cvetković, **Predrag M. Rajković** and M. Ivković,
Catalan Numbers, The Hankel Transform And Fibonacci Numbers,
The electronic Journal of Integer Sequences, ISSN 1530-7638, Dep. of Comp. Sc.,
University of Arizona, USA, May 2002. [Cited by 46](#)
18. **Predrag M. Rajković** and Sladjana D. Marinković,
On q-Extensions Of Generalized Hermite Polynomials,
FILOMAT, vol. 15, 2001, Nis, Yugoslavia. 277-283. [Cited by 7](#)
19. G.V. Milovanović, **Predrag M. Rajković**, Z.M. Marjanović,
Zero Distribution Of Polynomials Orthogonal On The Radial Rays In The Complex Plane,
Facta Universitatis (Nis), Ser. Mathem. Inform. 12 (1997), 127-142.

20. G.V. Milovanović, **Predrag M. Rajković**, Z.M. Marjanovic,
A Class Of Orthogonal Polynomials On The Radial Rays In The Complex Plane (II part),
Facta Univ., Ser. Math. Inform., Nis, vol. 11, 1996, 29-47
21. G.V. Milovanović, **Predrag M. Rajković**, Z.M. Marjanović,
On Properties Of Some Nonclassical Orthogonal Polynomials,
Filomat, vol. 9, 101—111, Nis, 1995.
22. G.V. Milovanović and **Predrag M. Rajković**, *Complex Orthogonal Polynomials With The Hermite Weight*,
Publ. Elektrotehn. Fak. Ser. Mathem., Beograd, 1995., vol. 6, 63-73. [Cited by 2](#)
23. G.V. Milovanović, **Predrag M. Rajković**,
Geronimus Concept Of Orthogonality For Polynomials Orthogonal On A Circular Arc,
Rendiconti di Mat., Ser. VII, vol.10, Roma, (1990), 383-390. [Cited by 4](#)

C) Papers published in the proceedings of international conferences

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Generalizations of the Gamma function: their connection formulas and numerical computation,
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