scHolar index

home - contact

Search Scholar (*toggle details*)

for publications written by | Kiryakova, V

Querying Google Scholar… reading… saving… parsing… Caching results… done

235 — **Generalized fractional calculus and applications**
V Kiryakova - 1994 - Chapman & Hall/CRC

29 — **Multiple (multiindex) Mittag-Leffler functions and relations to generalized fractional calculus* 1**
VS Kiryakova - Journal of Computational and Applied Mathematics, 2000 - Elsevier

21 — **An.-function generalized fractional calculus based upon compositions ofErdelyi-Kober operators in Ep**
…, VS Kiryakova - Math. Japonica, 1990

19 — **All the special functions are fractional differintegrals of elementary functions**
V Kiryakova - Journal of Physics A: Mathematical and General, 1997 - iopscience.iop.org

17 — **Recent history of fractional calculus**
JT Machado, V Kiryakova… - Communications in Nonlinear …, 2011 - Elsevier

13 — **The multi-index Mittag-Leffler functions as an important class of special functions of fractional calculus**
V Kiryakova - Computers & Mathematics with Applications, 2010 - Elsevier

12 — **The special functions of fractional calculus as generalized fractional calculus operators of some basic functions**
V Kiryakova - Computers & Mathematics with Applications, 2010 - Elsevier

12 — **Generalized Poisson transmutations and corresponding representations of hyper-Bessel functions**
…, V Kiryakova - CR Acad. Bulg. Sci, 1986

11 — **Further results on a family of generalized radiation integrals**
…, V Kiryakova - Radiation Physics and Chemistry, 1994 - Elsevier

11 — **Transmutations, convolutions and fractional powers of Bessel-type operators via Meijer's G-function**
…, V Kiryakova - Proc. Complex Anal. and Appl-s. Varna, 1983

11 — **Some criteria for univalence of analytic functions involving generalized fractional calculus operators**
VS Kiryakova, M Saigo… - Fract. Calc. Appl. Anal, 1998

10 — **Solutions of fractional multi-order integral and differential equations using a Poisson-type transform**
I Ali, V Kiryakova… - Journal of mathematical analysis and …, 2002 - Elsevier

10 — **Multiindex Mittag-Leffler functions, related Gelfond-Leontiev operators and Laplace type integral transforms**
V Kiryakova - Fract. Calc. Appl. Anal. v2

10 — **Fractional integration operators involving Fox's Hm, 0 m, m-function**
VS Kiryakova - CR Acad. Bulgare Sci, 1988

10 — **Generalized H-function fractional integration operators in some classes of analytic functions**
V Kiryakova - 1988

9 — **Some expansions related to a family of generalized radiation integrals**
…, L Galué, V Kiryakova - Math. Balkanica, 1991

8 — **Explicit solutions of fractional integral and differential equations involving Erdélyi-Kober operators**
…, VS Kiryakova - Applied mathematics and computation, 1998 - Elsevier

7 — **On Operators of fractional integration involving Meijer's G-functions**
VS Kiryakova - CR Acad. Bulg. Sci, 1986

6 — **On two Saigo's fractional integral operators in the class of univalent functions**
V Kiryakova - 2006 - sci-gems.math.bas.bg

6 — **A multi-index Borel-Dzrbashjan transform**
F AL-MUSALLAM, V KIRYAKOVA - The Rocky Mountain journal of …, 2002 - cat.inist.fr

6 — **Transmutation Method for Solving Erdélyi-Kober Fractional Differintegral Equations* 1**

VS Kiryakova... - Journal of Mathematical Analysis and ..., 1997 - Elsevier

6 **Transform methods and special functions**
..., I Dimovski, V Kiryakova - Proc. Sec. Int. Workshop, August, 1996 - math.bas.bg

6 **Some special functions related to fractional calculus and fractional non-integer order control systems and equations**
V Kiryakova - ... Universitatis. Series: Mechanics, Automatic Control and ..., 2008

6 **Relations connecting multiindex Mittag-Leffler functions and Riemann-Liouville fractional calculus**
..., SL Kalla, V Kiryakova - Algebras, Groups and Geometries, 2003

6 **Complex inversion formulas for the Obrechko transform**
..., V Kiryakova - Pliska, 1981

6 **Multiple Erdélyi–Kober fractional differintegrals and their uses in univalent, starlike and convex function theory**
V Kiryakova - Ann. Univ. Sofia 'Kl. Ohridski, 1987

5 **Development of a Web–based Course on Informatics via Open-source Software Package MOODLE**
..., V Hrisuleva, G Kiryakova - Proceedings of the ..., 2003 - ecet.ecs.ru.acad.bg

5 **Generalized Fractional Calculus and Applications, Pitman Research Notes in Math. Series no. 301**
VS Kiryakova - 1994 - Longman Group UK Ltd

5 **A generalized fractional calculus and integral transforms**
V Kiryakova - Proc. FGCA-1987 (Dubrovnik), Plenum Publ. Co., New ..., 1988

5 **On the Weyl fractional operator of two dimensions**
..., VS Kiryakova - Compt-rend. Acad, bulg Sci, 1983

5 **Generalized fractional calculus and applications, Htman Rese-arch Notes. No. 301. (1994)**
V KIryakova - Longman

5 **An H-function generalized fractional calculus based upon compositions of Erdélyi–Kober operators in Lp, Math**
..., V Kiryakova - Japon, 1990

4 **Distribution and characterization of Aegilops and Triticum species from the Bulgarian Black Sea coast**
..., D Plamenov, V Kiryakova - Central European Journal of ..., 2006 - Springer

4 **Generalized multiple Riemann-Liouville fractional differintegrals and their applications in univalent function theory**
VS Kiryakova... - Analysis, Geometry and Groups: A Riemann Legacy ...

4 **A generalized fractional calculus dealing with H-functions**
..., VS Kiryakova - Proc. Conf. Fractional Calculus and Its Appl., Tokyo' ...

4 **Convolution and differential property of the Borel-Dzrbashjan transform**
..., V Kiryakova - Proceedings of Complex Analysis and Applications, ..., 1981

4 **A long standing conjecture failed**
V Kiryakova - Transform methods and special functions, Varna

4 **Title of Book**
VS Kiryakova - Publisher, Town (19xx)

4 **On the two-dimensional H-transforms in terms of Erdelyi-Kober operators, Math**
..., VS Kiryakova - Balkanica, 1992

4 **On a class of generalized operators of fractional integration**
V Kiryakova - Proc. of the Jubilee Session devoted to Academician ..., 1986

3 **Criteria for generalized fractional integrals to preserve univalency of analytic functions**
V Kiryakova, M Saigo - Dokladi na B Igarskata akademiâ na naukite, 2005 - cat.inist.fr

3 **Distortion and characterization theorems for generalized fractional integration operators involving H-function in subclasses of univalent functions**
VS Kiryakova, M Saigo... - 福岡大学理学集報, 2004 - ci.nii.ac.jp

3 **mathrm {H}.\ mathrm {M} $. Srivastava: Generalized multiple Riemann-Liouville fractional differintegrals and their applications in univalent function theory, ...**
V Kiryakova - 1993 - Hadronic Press, Florida

3 **Multiindex Mittag-Leffler functions, related Gelfond-Leontiev operators and Laplace type transforms**
V Kiryakova - Fract. Calc. Appl. Anal

3 **New integral representations of generalized hypergeometric functions**
VS Kiryakova - Compt. Rend. Acad. Bulg. Sci, 1986

3 **Explicit solution of the nonhomogeneous hyper-Bessel differential equation**
VS Kiryakova... - COMPTES RENDUS-ACADEMIE BULGARE DES ..., 1993

3 **An application of Meijers G-function to Bessel type operators**
V Kiryakova - Proc. Constr. Function Theory. Varna

3 [Solution of dual integral equations by fractional calculus](#)
L Galué, VS Kiryakova... - Mathematica Balkanica, 1993

3 [Generalized operators of fractional integration and differentiation and applications](#)
V Kiryakova - Diss., tost.. Math., Bulg. Acad. Sci.), Sofia, 1986

3 [Transmutation method for solving Erdélyi-Kober fractional differintegral equations](#)
B Al-Saqabi, V Kiryakova - J. Math. Anal. Appl. v211

3 [Convolution and commutant of Gelfond–Leontiev operator of integration](#)
..., V Kiryakova - Proceedings of the Constructive Function Theory, ..., 1981

2 [A brief story about the operators of the generalized fractional calculus](#)
V Kiryakova - 2008 - sci-gems.math.bas.bg

2 [Obrechkoff Integral Transform and Hyper-Bessel Operators via G-function and Fractional Calculus Approach1](#)
V Kiryakova - Global Journal of Pure and Applied Mathematics, 2005 - indianjournals.com

2 [Characterization theorems for starlike and convex functions in terms of generalized fractional calculus](#)
..., S OWA, V Kiryakova - Dokladi na B lgarskata akademià na ..., 2005 - cat.inist.fr

2 [Generalized Hankel transforms for hyper-Bessel differential operators](#)
..., VS Kiryakova - Comptes Rendus de l'Academie ..., 2000 - adsabs.harvard.edu

2 [Generalized fractional calculus and applications, Pitman Research Notes in Mathematics](#)
V Kiryakova - 1999 - Longman, Harlow

2 [Fractional integration operators involving Fox's](#)
VS Kiryakova - function, CR Acad. Bulgare Sci, 1988

2 [An application of the generalized operator of fractional integration to dual ointegral equation involving Meijer's G-functions](#)
VS Kiryakova - Pliska (Stud. Math. Bulg), 1989

2 [On a relation between the two-dimensional H-transforms in terms of Erdelyi-Kober operators](#)
..., VS Kiryakova - Math. Balkanica (NS), 1992

2 [A uni® ed approach to certain fractional integration operators](#)
RK Saxena, VS Kiryakova... - Math. Balkanica (NS), 1994

2 [Special functions of fractional calculus: recent list, results, applications](#)
VS Kiryakova - Proceedings of the 3rd IFC Workshop: Fractional ...

2 [Convolutions of Erdélyi-Kober fractional integration operators](#)
V Kiryakova - Complex Analysis and Applications

2 [Applications of the generalized Poisson transformation for solving hyper-Bessel differential equations](#)
V Kiryakova - Godishnik VUZ. Pril. Matematika, 1986

2 [Representations of the solutions of hyper-Bessel differential equations via Meijer's G-function](#)
V Kiryakova... - Complex Analysis and Applications' 87 (I

2 [Fractional Calculus and Mittag-Leffler Functions: Some Aplications in Control Theory](#)
V Kiryakova... - Institute of Applied Mathematics and Informatics, ..., 1998

2 [mathrm {H}.\ mathrm {M} $](#)
V Kiryakova, M Saigo - Srivastava: Some criteria for univalence of analytic ...

2 [A generalized fractional calculus dealing with](#)
..., VS Kiryakova - functions, Fractional Calculus and Its Applications, Proc ..., 1990

2 [Fractional integration operators involving Fox's, 0, m mm H function, CR Belug](#)
VS Kiryakova - Acad. Sci, 1988

2 [Generalized Fractional Calculus and Applications. Pitman Res](#)
V Kiryakova - Notes in Math. Ser, 1994

1 [A poster about the old history of fractional calculus](#)
JT Machado, V Kiryakova... - Fract. Calc. Appl. Anal, 2010 - diogenes.bg

1 [Influence of some agronomy factors on spike components after a rare incidence of Fusarium head blight epiphytoty of winter wheat I. Effect of long-term crop rotation ...](#)
T Tonev, V Kiryakova... - Bulgarian Journal of Agricultural ..., 2008 - agris.fao.org

1 [Hankel type integral transforms connected with the hyper-Bessel differential operators](#)
YF Luchko, VS Kiryakova - BANACH ..., 2000 - POLISH ACADEMY OF SCIENCES

1 [Representation of Generalized Fractional Integrals in Terms of Laplace Transforms on Spaces Lp](#)
V Kiryakova, RK Raina... - Mathematische Nachrichten, 1995 - Wiley Online Library

1 [A new differential formula for Meijer's G-function](#)
V Kiryakova - Comptes rendus de l'Académie ..., 1988 - Presses de l'Académie des sciences

1   [A note and poster on the recent history of fractional calculus](#)
    JT Machado, V Kiryakova... - Fract. Calc. Appl. Anal, 2010

1   [A new winter bread wheat variety Zlatitsa](#)
   ..., I Todorov, I Stoeva, T Petrova, I Iliev, V Kiryakova... - Res. Commun. of USB ..., 2003

scHolar index - http://interaction.lille.inria.fr/~roussel/projects/scholarindex/ - 2011-09-16 10:30:40

Web | **Science** | News | Images | Video

Kiryakova, V   [Search]

☐ Biology, Life Sc.
☐ Business, Financ
☑ Chemistry, …
☑ Engineering, Co

Search Hints | Advanced Search | Options

◉ Author Search   ◯ Compare   ◯ Articles Search

Scientific Search. Displaying 1-85 of 85 results for query: Kiryakova, V (0.00 sec)

H-INDEX (Hirsch Number): 11. Egghe's G-INDEX: 21

Maximum Cites: **235**

Total Cites: **615**, Total Articles: **83**

Cites/Paper: **7.4096**

Ranking is based on articles's citations.
The results have been retrieved from local database (Cache updated today).
Search in Google Scholar
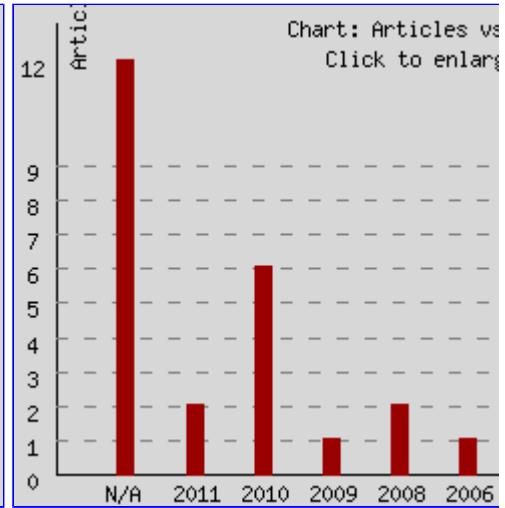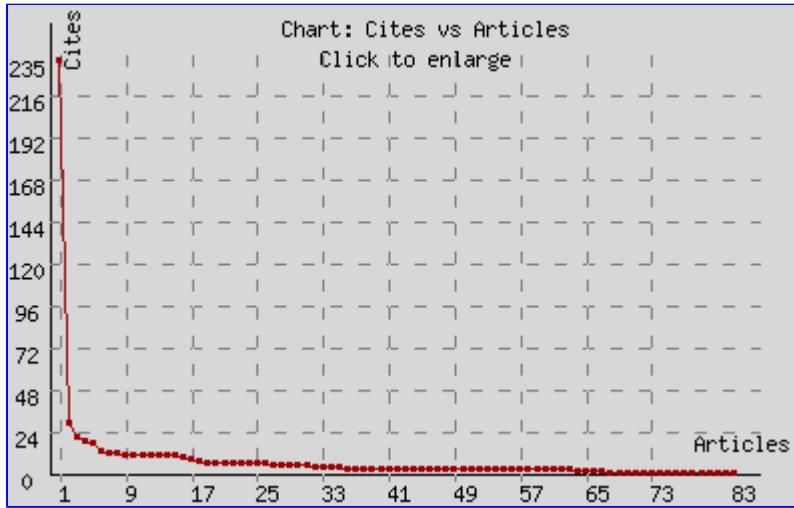
Scientist Index

⬇ Michael zur Muehlen

1. ☑ Generalized fractional calculus and applications
   V Kiryakova - 1994 - books.google.com
   Cited by 235

   Google Scholar Rank: 1

2. ☑ Multiple (multiindex) Mittag-Leffler functions and relations to generalize
   calculus* 1
   VS **Kiryakova** - Journal of Computational and Applied Mathematics, 2000 - Elsevi
   Cited by 29

   Google Scholar Rank: 2

3. ☑ [CITATION] An.-function generalized fractional calculus based u
   compositions ofErdelyi-Kober oper
   ..., VS **Kiryakova** - Math. Japonica, 1990
   Cited by 21

   Google Scholar Rank: 3

4. ☑ All the special functions are fractional differintegrals of elementary func
   V Kiryakova - Journal of Physics A: Mathematical and General, 1997 - iopscience
   Cited by 19

   Google Scholar Rank: 4

5. ☑ Recent history of fractional calculus
   JT Machado, **V Kiryakova**... - Communications in Nonlinear ..., 2011 - Elsevier

Cited by 17

Google Scholar Rank: 7

6. ☑ The multi-index Mittag-Leffler functions as an important class of specia
    fractional ca
    V Kiryakova - Computers & Mathematics with Applications, 2010 - Elsevier
    Cited by 13

    Google Scholar Rank: 5

7. ☑ The special functions of fractional calculus as generalized fractional calc
    operators of some ba
    V Kiryakova - Computers & Mathematics with Applications, 2010 - Elsevier
    Cited by 12

    Google Scholar Rank: 6

8. ☑ **[CITATION] Generalized Poisson transmutations and correspon**
    representations of hyper-Bessel func
    …, **V Kiryakova** - CR Acad. Bulg. Sci, 1986
    Cited by 12

    Google Scholar Rank: 8

9. ☑ **[CITATION] Some criteria for univalence of analytic functions ir**
    generalized fractional calcu
    VS **Kiryakova**, M Saigo… - Fract. Calc. Appl. Anal, 1998
    Cited by 11

    Google Scholar Rank: 9

10. ☑ Further results on a family of generalized radiation integrals
    …, **V Kiryakova** - Radiation Physics and Chemistry, 1994 - Elsevier
    Cited by 11

    Google Scholar Rank: 10

11. ☑ **[CITATION] Transmutations, convolutions and fractional power**
    type operators via Meijer
    …, **V Kiryakova** - Proc. Complex Anal. and Appl-s. Varna, 1983
    Cited by 11

    Google Scholar Rank: 11

12. ☑ **[CITATION] Fractional integration operators involving Fox's Hm**
    function
    VS **Kiryakova** - CR Acad. Bulgare Sci, 1988
    Cited by 10

    Google Scholar Rank: 12

13. ☑ **[CITATION] Generalized H-function fractional integration opera**
    some classes of analytic funct
    V Kiryakova - 1988
    Cited by 10

    Google Scholar Rank: 13

14. ☑ **[CITATION] Multiindex Mittag-Leffler functions, related Gelfond**
    operators and Laplace type
    V Kiryakova - Fract. Calc. Appl. Anal. v2
    Cited by 10

    Google Scholar Rank: 15

15. ☑ Solutions of fractional multi-order integral and differential equations us
    Poisson-type transfo
    I Ali, **V Kiryakova**… - Journal of mathematical analysis and …, 2002 - Elsevier
    Cited by 10

Google Scholar Rank: 16

16. ☑ **[CITATION] Some expansions related to a family of generalized
     integrals**
     ..., L Galu
     Cited by 9

Google Scholar Rank: 14

17. ☑ Explicit solutions of fractional integral and differential equations involvir
     ..., VS **Kiryakova** - Applied mathematics and computation, 1998 - Elsevier
     Cited by 8

Google Scholar Rank: 17

18. ☑ **[CITATION] On Operators of fractional integration involving Mel
     functions**
     VS **Kiryakova** - CR Acad. Bulg. Sci, 1986
     Cited by 7

Google Scholar Rank: 18

19. ☑ **[CITATION] Multiple Erd**
     V Kiryakova - Ann. Univ. Sofia 'Kl. Ohridski, 1987
     Cited by 6

Google Scholar Rank: 19

20. ☑ **[CITATION] Complex inversion formulas for the Obrechko trans**
     ..., **V Kiryakova** - Pliska, 1981
     Cited by 6

Google Scholar Rank: 20

21. ☑ Transform methods and special functions
     ..., I Dimovski, **V Kiryakova** - Proc. Sec. Int. Workshop, August, 1996 - math.bas
     Cited by 6

Google Scholar Rank: 21

22. ☑ On two Saigo's fractional integral operators in the class of univalent fur
     V Kiryakova - 2006 - sci-gems.math.bas.bg
     Cited by 6

Google Scholar Rank: 22

23. ☑ **[CITATION] Relations connecting multiindex Mittag-Leffler func
     Riemann-Liouville fractional**
     ..., SL Kalla, **V Kiryakova** - Algebras, Groups and Geometries, 2003
     Cited by 6

Google Scholar Rank: 23

24. ☑ **[CITATION] Some special functions related to fractional calculu
     fractional non-integer order co**
     V Kiryakova - ... Universitatis. Series: Mechanics, Automatic Control and ..., 2008
     Cited by 6

Google Scholar Rank: 26

25. ☑ Transmutation Method for Solving Erd
     VS **Kiryakova**... - Journal of Mathematical Analysis and ..., 1997 - Elsevier
     Cited by 6

Google Scholar Rank: 29

26. ☑ A multi-index Borel-Dzrbashjan transform
     F AL-MUSALLAM, **V KIRYAKOVA** - The Rocky Mountain journal of ..., 2002 - cat.ir

Cited by 6

Google Scholar Rank: 61

27. ☑ **[CITATION] Generalized fractional calculus and applications, Ht arch Notes. No. 301.(1994)**
V KIryakova - Longman
Cited by 5

Google Scholar Rank: 24

28. ☑ **[CITATION] An H-function generalized fractional calculus based compositions of Erd**
..., **V Kiryakova** - Japon, 1990
Cited by 5

Google Scholar Rank: 25

29. ☑ **[CITATION] Generalized Fractional Calculus and Applications, P Research Notes in Math. Series n**
VS **Kiryakova** - 1994 - Longman Group UK Ltd
Cited by 5

Google Scholar Rank: 27

30. ☑ **[CITATION] On the Weyl fractional operator of two dimensions**
..., VS **Kiryakova** - Compt-rend. Acad, bulg Sci, 1983
Cited by 5

Google Scholar Rank: 28

31. ☑ **[CITATION] A generalized fractional calculus and integral trans**
V Kiryakova - Proc. FGCA-1987 (Dubrovnik), Plenum Publ. Co., New ..., 1988
Cited by 5

Google Scholar Rank: 30

32. ☐ [Development of a Web](#)
..., **V** Hrisuleva, G **Kiryakova** - Proceedings of the ..., 2003 - ecet.ecs.ru.acad.bg
Cited by 5

Google Scholar Rank: 62

33. ☑ **[CITATION] Convolution and differential property of the Borel-D transform**
..., **V Kiryakova** - Proceedings of Complex Analysis and Applications, ..., 1981
Cited by 4

Google Scholar Rank: 31

34. ☑ **[CITATION] A generalized fractional calculus dealing with H-fur**
..., VS **Kiryakova** - Proc. Conf. Fractional Calculus and Its Appl., Tokyo' ...
Cited by 4

Google Scholar Rank: 32

35. ☑ **[CITATION] On the two-dimensional H-transforms in terms of E Kober operators, Math**
..., VS **Kiryakova** - Balkanica, 1992
Cited by 4

Google Scholar Rank: 33

36. ☑ **[CITATION] Generalized multiple Riemann-Liouville fractional differintegrals and their applications**
VS **Kiryakova**... - Analysis, Geometry and Groups: A Riemann Legacy ...
Cited by 4

Google Scholar Rank: 34

37. [CITATION] **Convolution and commutant of Gelfond**
..., **V Kiryakova** - Proceedings of the Constructive Function Theory, ..., 1981
Cited by 3

Google Scholar Rank: 35

38. [CITATION] **mathrm {H}.\ mathrm {M} $. Srivastava: Generali**
Riemann-Liouville fractional
V Kiryakova - 1993 - Hadronic Press, Florida
Cited by 3

Google Scholar Rank: 36

39. [CITATION] **Transmutation method for solving Erd**
B Al-Saqabi, **V Kiryakova** - J. Math. Anal. Appl. v211
Cited by 3

Google Scholar Rank: 37

40. [CITATION] **An application of Meijers G-function to Bessel type**
V Kiryakova - Proc. Constr. Function Theory. Varna
Cited by 3

Google Scholar Rank: 38

41. [CITATION] **Generalized operators of fractional integration and**
differentiation and applications
V Kiryakova - Diss., tost.. Math., Bulg. Acad. Sci.), Sofia, 1986
Cited by 3

Google Scholar Rank: 39

42. [CITATION] **Explicit solution of the nonhomogeneous hyper-Bes**
differential equation
VS **Kiryakova**... - COMPTES RENDUS-ACADEMIE BULGARE DES ..., 1993
Cited by 3

Google Scholar Rank: 40

43. [CITATION] **New integral representations of generalized hyperg**
functions
VS **Kiryakova** - Compt. Rend. Acad. Bulg. Sci, 1986
Cited by 3

Google Scholar Rank: 41

44. [CITATION] **Solution of dual integral equations by fractional cal**
L Galu
Cited by 3

Google Scholar Rank: 42

45. Distortion and characterization theorems for generalized fractional integ
operators involving
VS **Kiryakova**, M Saigo... - 福岡大学理学集報, 2004 - ci.nii.ac.jp
Cited by 3

Google Scholar Rank: 43

46. [CITATION] **Multiindex Mittag-Leffler functions, related Gelfond**
operators and Laplace type
V Kiryakova - Fract. Calc. Appl. Anal
Cited by 3

Google Scholar Rank: 49

47. Criteria for generalized fractional integrals to preserve univalency of an
functions

V Kiryakova, M Saigo - Dokladi na B lgarskata akademi
Cited by 3
Google Scholar Rank: 68

48. ☑ **[CITATION] Generalized Fractional Calculus and Applications. P**
V Kiryakova - Notes in Math. Ser, 1994
Cited by 2
Google Scholar Rank: 44

49. ☑ **[CITATION] Generalized fractional calculus and applications, Pit Research Notes in Mathematics**
V Kiryakova - 1999 - Longman, Harlow
Cited by 2
Google Scholar Rank: 45

50. ☑ **[CITATION] Fractional Calculus and Mittag-Leffler Functions: So Aplications in Control Theory**
V Kiryakova... - Institute of Applied Mathematics and Informatics, ..., 1998
Cited by 2
Google Scholar Rank: 46

51. ☑ **[CITATION] Representations of the solutions of hyper-Bessel di equations via Meijer's**
V Kiryakova... - Complex Analysis and Applications' 87 (I
Cited by 2
Google Scholar Rank: 47

52. ☑ **[CITATION] Applications of the generalized Poisson transforma solving hyper-Bessel different**
V Kiryakova - Godishnik VUZ. Pril. Matematika, 1986
Cited by 2
Google Scholar Rank: 48

53. ☑ **[CITATION] Convolutions of Erd**
V Kiryakova - Complex Analysis and Applications
Cited by 2
Google Scholar Rank: 50

54. ☑ [Characterization theorems for starlike and convex functions in terms of fractional calcu](#)
..., S OWA, **V Kiryakova** - Dokladi na B lgarskata akademi
Cited by 2
Google Scholar Rank: 51

55. ☑ **[CITATION] Special functions of fractional calculus: recent list, applications**
VS **Kiryakova** - Proceedings of the 3rd IFC Workshop: Fractional ...
Cited by 2
Google Scholar Rank: 52

56. ☑ **[CITATION] Fractional integration operators involving Fox's, 0, function, CR Belug**
VS **Kiryakova** - Acad. Sci, 1988
Cited by 2
Google Scholar Rank: 53

57. ☑ **[CITATION] A generalized fractional calculus dealing with**
..., VS **Kiryakova** - functions, Fractional Calculus and Its Applications, Proc ..., 199
Cited by 2

Google Scholar Rank: 54

58. ☑ **[CITATION] A uni**
RK Saxena, VS **Kiryakova**... - Math. Balkanica (NS), 1994
Cited by 2

Google Scholar Rank: 55

59. ☑ **[CITATION] On a relation between the two-dimensional H-trans
terms of Erdelyi-Kober operator**
..., VS **Kiryakova** - Math. Balkanica (NS), 1992
Cited by 2

Google Scholar Rank: 56

60. ☑ **[CITATION] An application of the generalized operator of fractic
integration to dual ointegral eq**
VS **Kiryakova** - Pliska (Stud. Math. Bulg), 1989
Cited by 2

Google Scholar Rank: 57

61. ☑ **[CITATION] Fractional integration operators involving Fox's**
VS **Kiryakova** - function, CR Acad. Bulgare Sci, 1988
Cited by 2

Google Scholar Rank: 58

62. ☑ Generalized Hankel transforms for hyper-Bessel differential operators
..., VS **Kiryakova** - Comptes Rendus de l'Academie ..., 2000 - adsabs.harvard.edu
Cited by 2

Google Scholar Rank: 59

63. ☑ Obrechkoff Integral Transform and Hyper-Bessel Operators via G-functi
Fractional Calculus Appr
V Kiryakova - Global Journal of Pure and Applied Mathematics, 2005 - indianjour
Cited by 2

Google Scholar Rank: 60

64. ☑ A brief story about the operators of the generalized fractional calculus
V Kiryakova - 2008 - sci-gems.math.bas.bg
Cited by 2

Google Scholar Rank: 65

65. ☑ **[CITATION] A note and poster on the recent history of fractiona**
JT Machado, **V Kiryakova**... - Fract. Calc. Appl. Anal, 2010
Cited by 1

Google Scholar Rank: 63

66. ☑ **[CITATION] Hankel type integral transforms connected with the
Bessel differential operators**
YF Luchko, VS **Kiryakova** - BANACH ..., 2000 - POLISH ACADEMY OF SCIENCES
Cited by 1

Google Scholar Rank: 64

67. ☑ A poster about the old history of fractional calculus
JT Machado, **V Kiryakova**... - Fract. Calc. Appl. Anal, 2010 - diogenes.bg
Cited by 1

Google Scholar Rank: 66

68. ☑ Representation of Generalized Fractional Integrals in Terms of Laplace
on Spaces Lp

V Kiryakova, RK Raina... - Mathematische Nachrichten, 1995 - Wiley Online Libra
Cited by 1

Google Scholar Rank: 67

69. ☑ **[CITATION] Laplace Type Integral Transform for the Third Orde Clifford Differential Operator**
N Hayek, VS **Kiryakova**... - Dokladi na ..., 1995 - Sofiia: Akedemiia, 1991-
Cited by 0

Google Scholar Rank: 69

70. ☑ TRANSMUTATION METHOD FOR SOLVING HYPER-BESSEL DIFFERENTIA EQUATIONS BASED ON THE POISSON-DIMOVSKI T
V Kiryakova - diogenes.bg
Cited by 0

Google Scholar Rank: 70

71. ☑ QUELQUES ASPECTS DUN PROCESSUS GENERALISANT LE MOUVEMEN DANS LA THEORIE DE DUNKL
..., K Trimeche, P Ille, J Faraut, **V Kiryakova**... - ripublication.com
Cited by 0

Google Scholar Rank: 71

72. ☑ Inequalities for Saigo's Fractional Calculus Operator
..., VS **Kiryakova** - 数理解析研究所講究録, 2003 - kurims.kyoto-u.ac.jp
Cited by 0

Google Scholar Rank: 72

73. ☑ $ H $-Function Generalized Fractional Integration Operators in Subclas Univalent Functions: So
VS **Kiryakova**, M Saigo... - 数理解析研究所講究 ···, 2003 - repository.kulib.kyoto
Cited by 0

Google Scholar Rank: 73

74. ☑ **[CITATION] Solutions of Erdelyi-Kober Fractional Integral, Diffe Differintegral Equations**
VS **Kiryakova**... - COMPTES RENDUS-ACADEMIE BULGARE DES ..., 1997
Cited by 0

Google Scholar Rank: 74

75. ☑ **[CITATION] Explicit Solutions to Hyper-Bessel Integral Equatior Kind**
S Ahmad, AC Lazer, **V Kiryakova**... - ... and Mathematics with ..., 1999 - Elsevier
Cited by 0

Google Scholar Rank: 75

76. ☑ **[CITATION] MATHEMATICS-4-Generalized Hankel Transforms fo Bessel Differential Operators**
..., VS **Kiryakova** - Dokladi na Bulgarskata ..., 2000 - Sofiia: Akedemiia, 1991-
Cited by 0

Google Scholar Rank: 76

77. ☑ **[CITATION] Complex analysis and applications' 87**
..., **V Kiryakova** - 1989 - ... House of the Bulgarian Academy of ...
Cited by 0

Google Scholar Rank: 77

78. ☑ **[CITATION] LIST OF LECTURES**
..., D Kim, **V Kiryakova**... - Algebraic ..., 2000 - Institute of Mathematics, Polish ...
Cited by 0

Google Scholar Rank: 78

79. ☑ Volume 32 Summer 2002 Number 2
..., B Rubin, F Al-Musallam, **V Kiryakova**... - ... Mountain Journal of ..., 2002 - rmm
Cited by 0

Google Scholar Rank: 79

80. ☑ Commun Nonlinear Sci Numer Simulat
JAT Machado, **V Kiryakova**... - 2009 - mechatronics.ece.usu.edu
Cited by 0

Google Scholar Rank: 80

81. ☑ The Multi-index Mittag-Leffler Functions and Their Applications for Solvi
Order Problem
VS **Kiryakova**... - American Institute of Physics ..., 2010 - 2010.eac4amitans.com
Cited by 0

Google Scholar Rank: 81

82. ☑ Criteria for univalence of the Dziok-Srivastava and the Srivastava-Wrig
in the class A
V Kiryakova - Applied Mathematics and Computation, 2011 - Elsevier
Cited by 0

Google Scholar Rank: 82

83. ☑ Legendre-type Special Functions Defined by Fractional Order Rodrigues
..., VS **Kiryakova** - AIP Conference Proceedings, 2010 - link.aip.org
Cited by 0

Google Scholar Rank: 83

84. ☑ [CITATION] DISCRETE OPERATIONAL CALCULI FOR TWO-SIDED
SEQUENCES
..., VS **Kiryakova** - ... Scotland, July 20-July 24, 1992, 1993 - Kluwer Academic Pu
Cited by 0

Google Scholar Rank: 84

85. ☐ Scale formation and behavior of some high-temperature refractory bori
vacuum.
..., VO Lavrenko, IE **Kiryakova** - 1972 - osti.gov
Cited by 0

Google Scholar Rank: 85

⬆ Page Top

Displaying results 1-85 of 85.   1

HomePage | About QuadSearch | Contact | Set As HomePage | Terms of Use

CITATIONS of V. Kiryakova's Monograph Monograph:

V. Kiryakova, *"Generalized Fractional Calculus and Applications"***,** Longman Sci. & Techn., Harlow – UK, ISBN 0-582-21977-9 (Copubl by J. Wiley & Sons Inc, USA), 1994, 402 p.

1) В КНИГИ (МОНОГРАФИИ)

- B. Rubin, *Fractional Integrals and Potentials*, Pitman Monographs and Surveys, 82, CRC Press, 1996, 409 p., ISBN 0582253411, 9780582253414

- D. Przeworska-Rolewicz, *Logarithms and Antilogarithms: An Algebraic Analysis Approach with an appendix by Zbigniew Binderman* (Mathematics and Its Applications), Springer, 1998, 360 pp., ISBN-10**:** 0792349741, ISBN-13**:** 978-0792349747 (Cited on page 256 + References, p. 327. See, http://www.amazon.com/Generalized-Fractional-Calculus-Applications-Mathematics/dp/book-citations/0470233761/ref=sid_dp_av?ie=UTF8&citeType=cited#cited)

- Saber N. Elaydi, I. Gyori, G. Ladas (Eds), *Advances in Difference Equations: Proceedings of the Second International Conference on Difference Equations*, CRC Press, 1998, 704 pp.; ISBN-10**:** 9056995219**, ISBN-13:** 978-9056995218; (Cited on page 514, see http://www.amazon.com/Generalized-Fractional-Calculus-Applications-Mathematics/dp/book-citations/0470233761/ref=sid_dp_av?ie=UTF8&citeType=cited#cited)

- I. Podlubny, *Fractional Differential Equations (An Introduction…),* Acad. Press, San Diego-Boston et al., 1999.

- R. Hilfer (Ed.), *Applications of Fractional Calculus in Physics*, World Sci., Singapore, 2000. (Chapter I: by P. Butzer)

- N. Virchenko, I. Fedotova*, Generalized Associated Legendre Functions and Their Applications*, World Sci., Singapore , 2001., 220 pp.; ISBN-10**:** 9810243537 , ISBN-13**:** 978-9810243531 (Cited in: References, see http://www.amazon.com/Generalized-Fractional-Calculus-Applications-Mathematics/dp/book-citations/0470233761/ref=sid_dp_av?ie=UTF8&citeType=cited#cited)

- A. Guran, A. Bostrom, O. Leroy, Gerard Maze, Herbert Uberall (Eds), *Acoustic Interactions with Submerged Elastic Structures, Part 4*, World Sci., Singapore, 2002, 400 pp., ISBN-10: 9810242719, ISBN-13: 978-9810242718 (Citation is on page 126, see http://www.amazon.com/Generalized-Fractional-Calculus-Applications-Mathematics/dp/book-itations/0470233761/ref=sid_dp_av?ie=UTF8&citeType=cited#cited

 - A.A. Kilbas, M. Saigo, *H-Transforms (Theory and Applications*), Taylor & Francis and CRC Press, 2004.

- H. Brunner, *Collocation Methods for Volterra Integral and Related Functional Differential Equations* (Cambridge Monographs on Applied and Computational Mathematics), Cambridge Univ. Press, 2004, 597 pp.; ISBN-10: 0521806151 , ISBN-13**:** 978-0521806152 (Cited in: References, see http://www.amazon.com/Generalized-Fractional-Calculus-Applications-Mathematics/dp/book-citations/0470233761/ref=sid_dp_av?ie=UTF8&citeType=cited#cited)

- B. Bonilla, A. Kilbas, J. Trujillo, *Calculo Fraccionario y Ecuaciones Diferenciales Fraccionarios* (in Spanish), Serv. Publ. UNED, Madrid, 2003, 198 p., ISBN: 84-362-4893-7

 - A.A. Kilbas, H.M. Srivastava, J. Trujillo, *Theory and Applications of Fractional Differential Equations*, North Holland Math. Studies 204, Elsevier, 2006.

-Н.О. Вирченко, В.Я. Рибак, *Основи дробового интегро-диферецирования*, ТОВ „Задруга", Киев, 2007, 361 с. (на Украински).

 - P. Rajkovic, S. Marinkovic, M. Stankovic, *Diferencijalno-Integralni Racun Baicnih Hipergeometrijskih Funkcija* (In Serbian), Mas. Fak. Univ. u Nisu, Nis, 2008.

- В. В. Учайкин, *Метод дробных производных*, Артишок, Ульяновск, 2008.

- F. Mainardi, *Fractional Calculus and Waves in Linear Viscoelasticity (An Introduction to Mathematical Models),* World Sci. – Singapore & Imperial College Press – UK, 2010.

 - AM Mathai, RK Saxena, HJ Haubold,   *The H-Function (Theory and Applications*), Springer, 2010, on p. 236.

2) В ДИСЕРТАЦИИ:

 - **Ph.D. Thesis, Univ. of Melbourne,** Australia: Paul Williams, *Fractional Calculus of Schwartz Distributions,* 2007.

 - **Dr.Sc. Thesis,** L. Boyadjiev (Л.И.Бояджиев: "Ортогонални полиноми в комплексна област и приложения"- *Автореферат на дисертация за присъждане научната степен "Доктор на математическите науки",* София, 2006)
- **M.Sc. Thesis, Univ. Karlsruhe**, Germany (Univ. Karlsruhe): Stefan Mirevski, The Riemann–Liouville Fractional Calculus Fractional Jacobi Functions, 2005

 - Ph.D. Thesis, Yanka Nikolova, Tech. Univ. Sofia, 2011.

3) В УЧЕБНИ ПОСОБИЯ:

- Учебно пособие: Е.К. Николов, *Фрактални алгоритми и режекторни регулатори (учебно пособие)*, Технически унив., София, 2004
- Учебно пособие: Е.К. Николов, *Специални математически функции и фрактални оператори (учебно пособие)*, Технически унив., София, 2004.

- Учебно пособие: Е.К. Николов, *Робастно фрактално управление (Предиктивни и алгебрични методи;системи с разпределени параметри),* Технически унив., София, 2010, 372 стр..

4) В НАУЧНИ СТАТИИ, ПО ГОДИНИ:

2011 -> 10

- **Magdy A. Ezzat,** Theory of fractional order in generalized thermoelectric MHD, **Applied Mathematical Modelling**, Volume 35, Issue 10, October 2011, Pages 4965-4978
  IF = **1,371**

- **Rabha W. Ibrahim[a],** Existence and uniqueness of holomorphic solutions for fractional Cauchy problem, **Journal of Mathematical Analysis and Applications** Volume 380, Issue 1, 1 August 2011, Pages 232-240 , **IF=1,147**

- **Magdy A. Ezzat** and **Ahmed S. El Karamany,** Theory of fractional order in electro-thermoelasticity, **European Journal of Mechanics - A/Solids** Volume 30, Issue 4, July-August 2011, Pages 491-500 **IF=1,414**

- C. Atkinson, A. Osseiran, Discrete-space time-fractional processes, *Fract. Calc. Appl. Anal.* Vol. 14, No 2 (2011), pp. 201-232 (Versita & Springer), DOI: 10.2478/s13540-011-0013-9

- Caputo, M, Seismicity in Italy: The problem of insurance of the real estate property, **Economia Politica** , Volume 28, Issue 1, April 2011, Pages 51-71

- Ezzat, M.A, Thermoelectric MHD with modified Fourier's law,
  International Journal of Thermal Sciences, Volume 50, Issue 4, April 2011, Pages 449-455 **IF = 1,667**

- Atkinson, C., Osseiran, A., Rational solutions for the time-fractional diffusion equation, **SIAM Journal on Applied Mathematics**, Volume 71, Issue 1, 2011, Pages 92-106 ,
  IF =1,529

- Pagnini, G., The evolution equation for the radius of a premixed flame ball in fractional diffusive media, **European Physical Journal: Special Topics** , Volume 193, Issue 1, March 2011, Pages 105-117 **IF=0.838**

- **Ebaid, A,** Analysis of projectile motion in view of fractional calculus, **Applied Mathematical Modelling** , Volume 35, Issue 3, March 2011, Pages 1231-1239,
  IF = 1,371

- Nair, S.S., Pathway fractional integral operator and matrix-variate functions,

2010 → 30

- Lin, S.[a] Srivastava, H.M., Some miscellaneous properties and applications of certain

    operators of fractional calculus, **Taiwanese Journal of Mathematics**, Volume 14, Issue 6, December 2010, Pages 2469-2495

    - Luchko, Y.F.[a], Trujillo, J.J.[b], Velasco, M.P., The Wright function and its numerical evaluation, **International Journal of Pure and Applied Mathematics** , Volume 64, Issue 4, 2010, Pages 567-575

 - Ibrahim, R.W, Solutions of fractional diffusion problems, **Electronic Journal of Differential Equations** , Volume 2010, 2010, Pages 1-11

- Pradeep Malik[a] **and** A. Swaminathan**,** Riemann-Liouville fractional calculus of certain finite class of classical orthogonal polynomials, AIP Conf. Proc. -- November 11, 2010, Volume 1309, pp. 658-669, doi:10.1063/1.3525190

 - F. Mainardi, A. Mura and G. Pagnini, The functions of the Wright type in fractional calculus; *Lecture Notes of Seminario Interdisciplinare di Matematica* Vol. **9** (2010), pp. 111-128.

 - G. Calcagni, Detailed balance in Horava-Lifshitz gravity, *Physical Review D*, 81, 044006 (2010),   **Impact Factor: 4.922**

- K. Gorska, K A Penson, G H E Duchamp, Generation of coherent states of photon-added type via pathway of eigenfunctions, Journal of Physics A: Mathematical and Theoretical, Volume 43, Number 37 (2010), 375303, doi: 10.1088/1751-8113/43/37/375303, IF =1,577

- Ravi P. Agarwal, Mouffak Benchohra and Samira Hamani, A Survey on Existence Results for Boundary Value Problems of Nonlinear Fractional Differential Equations and Inclusions**,** Acta Applicandae Mathematicae, Volume 109, Number 3, 973-1033, DOI: 10.1007/s10440-008-9356-6 , IF = 0.43 (2008)

- M. Rivero, Luis Rodríguez-Germá, Juan J. Trujillo, M. Pilar Velasco, Fractional operators and some special functions, **Computers & Mathematics with Applications**, Volume 59, Issue 5, March 2010, Pages 1822-1834, IF = 1,192

 - B.T. Krishna, Studies on fractional order differentiators and integrators: A survey**, Signal Processing**, **Article in Press,** Corrected Proof (2010), IF = 1,135

 - Ravi P. Agarwal, Bruno de Andrade, Claudio Cuevas, Weighted pseudo-almost periodic solutions of a class of semilinear fractional differential equations, **Nonlinear Analysis: Real**

World Applications , Volume 11, Issue 5, October 2010, Pages 3532-3554, IF = 2.381

- Richard Herrmann**,** Common aspects of *q*-deformed Lie algebras and fractional calculus, **Physica A: Statistical Mechanics and its Applications**, Volume 389, Issue 21, 1 November 2010, Pages 4613-4622, IF = 1.562

- R. Ibrahim, On the existence of diiffeo-integral inclusion of Sobolev-type of fractional order with applications, *ANZIM J.*(Australian Soc.), 52 (E), pp. E1-E21 (2010).

- Mehdi Dehghan, Jalil Manafian, Abbas Saadatmandi, Solving nonlinear fractional partial differential equations using the homotopy analysis method**,** *Numerical Methods for Partial Differential Equations*, Volume 26, Issue 2, 448–479, March 2010, IF =0.962 (2008)

- Gastão S.F. Frederico, Delfim F.M. Torres, Fractional Noether's theorem in the Riesz– Caputo sense, Applied Mathematics and Computation, Article in Press, Corrected Proof (2010), IF= 1.124 (2009)

- Rami Ahmad El-Nabulsi, Modifications at large distances from fractional and fractal arguments**,** *Fractals (Complex Geometry, Patterns, and Scaling in Nature and Society),* **Volume: 18, Issue: 2** (2010), 185-190, DOI: 10.1142/S0218348X10004828, IF = 0.486 (2008)

- J. Sabatier, M. Merveillaut, R. Malti, A. Oustaloup**,** How to impose physically coherent initial conditions to a fractional system? **Communications in Nonlinear Science and Numerical Simulation**, Volume 15, Issue 5, May 2010, Pages 1318-1326, IF = n/a

- Yige Zhao, Shurong Sun, Zhenlai Han, Qiuping Li, The existence of multiple positive solutions for boundary value problems of nonlinear fractional differential equations, **Communications in Nonlinear Science and Numerical Simulation** , Article in Press**,** Accepted Manuscript, 2010, IF = n/a

- M. Belmekki, M. Benchohra**,** Existence results for fractional order semilinear functional differential equations with nondense domain, *Nonlinear Analysis: Theory, Methods & Applications* , Volume 72, Issue 2, 15 January 2010, Pages 925-932 , IF = 1,487

- RP Agarwal, V. Lakshmikantham, J.J. Nieto**,** On the concept of solution for fractional differential equations with uncertainty, *Nonlinear Analysis: Theory, Methods & Applications*, Volume 72, Issue 6, 15 March 2010, Pages 2859-2862, IF = 1.487

-

- V. B. L. Chaurasia, A. Sharma, A study of generalizad frcational integration operators with H-functions composition on spaces Fp,μ and F'p,μ, *Analele Stint. Ale Univ. "Ali Cuza" din Iasi (S.N), Matematica*, t. **LVI**, f.1 (2010), 65-80.

- U.K. Saha, L.K. Arora, Riemann-Liouville fractionl calculus and multiindex Dzrbashjan-

Gellfond-Leontiev differentiation and integration with multiindex Mittag-Leffler function, *Intern. J. Comput. & Math. Sci.*, **4**, No 8 (2010), 341-345.

 - I.A. Aliev, A relation between Bessel and Fourier transforms and its application to the weighted inequalities, *Integral Transf. and Special Funct.* **21**, No 2 (2010), 135-142, IF = 0.564 (2008)

- A. Kilbas, Partial fractional differential equations and some of their applications, ANALYSIS, Volume 30, Issue 1 (February 2010), 35-66,

- F. Mainardi, A. Mura, G. Pagnini, The M-Wright function in time-fractional diffusion processes:a tutorial survey, *International Journal of Differential Equations* (OA), vol. 2010 (2010), Article ID 104505, 29 pages, doi:10.1155/2010/104505 (see http://www.hindawi.com/a104505.html)

- M. Rivero, L. Rodríguez-Germá, J.J. Trujillo, M. Pilar Velasco, **Fractional operators and some special functions**, Computers math. with Appl. 59, No 5 (2010) doi:10.1016/j.camwa.2009.08.026,   IF = 0.997

- Juan J. Nieto, "Maximum principles for fractional differential equations via Mittag-Leffler functions", *Appl. Math. Letters*, 23 (2010), to appear, IF=0.948

- H. Haubold, D. Kumar, S.S. Nair, D.P. Joseph, Special functions and pathways   for problems in astrophysics: An essay in honor of A.M. Mathai, *Fract. Calc. Appl. Anal.* , Vol. **13**, No 2 (2010).

- L.F. James, Lamperti-type laws; ***Annals of Applied Probability*** , Volume **20**, Issue 4, August
   2010, Pages 1303-1340

- A. Rao, M. Garg, SL Kalla**,** Caputo-type fractional derivative of a hypergeometric integral

   Operator, ***Kuwait Journal of Science and Engineering*** , Volume 37, Issue 1 A, June 2010,

   Pages 15-29

- V, Obukhovskii, J.-C. Yao**,** Some existence results for fractional functional differential equations, **Fixed Point Theory** , Volume 11, Issue 1, 2010, Pages 85-96

2009 –> 24

 - Yu. Povstenko, Thermoelasticity that uses fractional heat conduction equation**,** Journal of Mathematical Sciences, Volume 162, Number 2, 296-305,
   DOI: 10.1007/s10958-009-9636-3

-    Nickolai Kosmatov**,** A singular boundary value problem for nonlinear differential
     equations of fractional order, Journal of Applied Mathematics and Computing ,

- Jonathan Blackledge, Imaging reconstruction for light scattering from a tenuous random medium, In: *ISSC* (2009), UCD, June 10-11th, 6 p.

- Hang Xu, Shi-Jun Liao, Xiang-Cheng You, Analysis of nonlinear fractional partial differential equations with the homotopy analysis method, ***Communications in Nonlinear Science and Numerical Simulation***, Volume 14, Issue 4, April 2009, Pages 1152-1156, **IF = 2.697**

- A.M. Mathai, Fractional integrals in the matrix variate cases and connection to statistical distributions, *Integral Transf. and Special Funct*. **20**, No 12 (2009), 871-882, IF = 0.564

- F. Mainardi, A. Mura, G. Pagnini, The M-Wright function in time-fractional diffusion processes:a tutorial survey, *Intern. J. Diff. Equations* (Hindawi, OA), 2009 – in Press

- Mohammed Belmekki, Juan J. Nieto, Rosana Rodríguez-López, Existence of Periodic Solution for a Nonlinear Fractional Differential Equation, *Boundary Value Problems* (Hindawi), Volume 2009 (2009), Article ID 324561, 18 pages, doi:10.1155/2009/324561

- R.K. Raina, Solution of Abel-type integral equation involving the Appell hypergeometric function, *Integral Transforms and Special Functions*, 1476-8291, Volume 21, Issue 7 (2009), 515-522, IF = 0.564

- M. Benchohra, S. Hamani, **The method of upper and lower solutions and impulsive fractional differential inclusions**, *Nonlinear Analysis: Hybrid Systems*, Vol. 3, No 4 (Nov. 2009), 433-440.

- Y. Ben Cheikh, S. Yakubovich, Generalized Fourier transform associated with the differential operator D_z^n in the complex domain, Integral Transforms and Special Functions, Volume 21, Issue 7 July 2010 , pages 541-555, IF=0,564 (2008)

- HJ Haubold, AM Mathai, RK Saxena, Mittag-Leffler functions and their applications, *ArXiv* 0909.0230v2 (4 Oct. 2009), p. 1-51.

- V. Tarasov (В. Тарасов), Дробное обобщение квантового Марковского управляюшего уравнения, *Теоретическа и Математическая Физика*, т. 158, No 2 (2009), 214-233.

- Shy-Der Lin, Li-Fen Chang, H. M. Srivastava , **Some families of series identities and associated fractional differintegral formulas** , *Integral Transforms and Special Functions*, 1476-8291, Volume 20, Issue 10, First published 2009, 737–749, IF = 0.564

- Ibrahim, R.W, Continuous solutions for fractional integral inclusion in locally convex topological space, **Applied Mathematics** (J. Chinese Univ.), Volume 24, Issue 2, June 2009, Pages 175-183

- Agarwal, R.P., Belmekki, M., Benchohra, M., A survey on semilinear differential equations and inclusions involving Riemann-Liouville fractional derivative, Advances in Difference Equations (Hindawi), Volume 2009, 2009, Article number 918728, Pages 1-47, DOI: 10.1155/2009/981728

- R. Hilfer, Yu. Luchko, Z. Tomovski, OPERATIONAL METHOD FOR THE SOLUTION OF FRACTIONAL DIFFERENTIAL EQUATIONS WITH GENERALIZED RIEMANN-LIOUVILLE FRACTIONAL DERIVATIVES, *FCAA*, vol. 12, No 3 (2009), 299-318.

- Dziok, J, Applications of extreme points to distortion estimates, Applied Mathematics and Computation , Volume 215, Issue 1, 1 September 2009, Pages 71-77 , **IF = 0.961**

- Existence of convex and non convex local solutions for fractional differential inclusions
 Ibrahim, R.W. 2009 *Electronic Journal of Differential Equations* 2009, pp. 1-13   (n/a)

- E. Ait Dads, M. Benchohra, S. Hamani, Impulsive fractional differential inclusions involving the Caputo fractional derivative, *FCAA*, vol. **12**, No 1 (2009), 15-38.

- A. Kochubei, Fractional differential equations: α-entire solutions, regular and irregular singularities, *FCAA*, vol. **12**, No 2 (2009), 135-158.

- Yong Zhou, Existence and uniqueness of solutions for a system of fractional differential equations, *FCAA*, vol. **12**, No 2 (2009), 195- 234.

- Rabha W. Ibrahim, Existence of Solutions for Fractional Multi-Order Integral Inclusions, *International Mathematical Forum*, **4,** no. 2 (2009), 73-78.

- J. Ram, S. Chandak, Unified fractional derivative formulas for the Fox-Wright generalized hypergeometric function, **Proceedings of the National Academy of Sciences India Section A - Physical Sciences** , Volume 79, Issue 1, January 2009, Pages 51-57

- M. Spiridonova, 260 Years of Laplace's Birth (1749-1827), In: *Mathematics And Education In Mathematics, 2009* (Proc. 38th Spring Conference of the Union of Bulgarian Mathematicians, Borovetz, April 1-5, 2009), In Bulgarian; 21-27.

2008 → 23

- Tarasov, V.E., Fractional generalization of the quantum Markovian master equation,

Theoretical and Mathematical Physics, Volume 158, Issue 2, February 2008, Pages 179-195**;** **IF = 0.721 (2008)** *

- Theory of fractional functional differential equations Abstract + Refs   Full Text   Show Abstract Lakshmikantham, V. 2008 *Nonlinear Analysis, Theory, Methods and Applications* 69 (10), pp. 3337-3343, IF= 1.295

- Subordination and superordination for univalent solutions for fractional differential equations

`Abstract + Refs` `Full Text` Show Abstract Ibrahim, R.W., Darus, M. 2008 *Journal of Mathematical Analysis and Applications* 345 (2), pp. 871-879 IF =1.046

- General uniqueness and monotone iterative technique for fractional differential equations

`Abstract + Refs` `Full Text` Show Abstract Lakshmikantham, V., Vatsala, A.S. 2008 *Applied Mathematics Letters* 21 (8), pp. 828-834 , IF= 0.948

- Explicit solutions of Jacobi and Gauss differential equations by means of operators of

fractional calculus `Abstract + Refs` `Full Text` Show Abstract Wang, P.-Y., Lin, S.-D., Srivastava, H.M. 2008 *Applied Mathematics and Computation* 199 (2), 760-769 IF= 0.961

- Some new explicit bounds for weakly singular integral inequalities with applications to

fractional differential and integral equations `Abstract + Refs` `Full Text` Show Abstract Ma, Q.-H., Pečarić, J. 2008 *Journal of Mathematical Analysis and Applications* 341 (2), pp. 894-905 IF =1.046

- Cauchy-Hadamard, Abel and Tauber type theorems for series in generalized Bessel-

Maitland functions `Abstract + Refs` Show Abstract Paneva-Konovska, J. 2008 *Comptes Rendus de L'Academie Bulgare des Sciences* 61 (1), pp. 9-14 IF =0.152

- On a fractional integral equation of periodic functions involving Weyl-Riesz operator in

Banach algebras `Abstract + Refs` `Full Text` Show Abstract Momani, S., Ibrahim, R.W. 2008 *Journal of Mathematical Analysis and Applications* 339 (2), pp. 1210-1219 IF =1.046

- Analysis of a time fractional wave-like equation with the homotopy analysis method

`Abstract + Refs` `Full Text` Show Abstract Xu, H., Cang, J. 2008 *Physics Letters, Section A: General, Atomic and Solid State Physics* 372 (8), pp. 1250-1255 IF = 1.711

- Orbits of operators commuting with the Volterra operator `Abstract + Refs` `Full Text`

    Show Abstract Bermudo, S., Montes-Rodríguez, A., Shkarin, S. 2008 *Journal des Mathematiques Pures et Appliquees* 89 (2), pp. 145-173 new IF= 1.204

- Fractional vector calculus and fractional Maxwell's equations

`Abstract + Refs` `Full Text` Show Abstract Tarasov, V.E. 2008 *Annals of Physics* 323

(11), pp. 2756-2778 – Elsevier, N. York   IF =3.253

- Time-fractional radial diffusion in a sphere `Abstract + Refs` `View at Publisher`   Show Abstract Povstenko, Y. 2008 *Nonlinear Dynamics* 53 (1-2), pp. 55-65   IF= 1.295

- On the solutions of certain fractional kinetic equations `Abstract + Refs` `Full Text` Saxena, R.K., Kalla, S.L. 2008 *Applied Mathematics and Computation* 199 (2), pp. 504-511 IF= 0.961

- Time and spatial concentration profile inside a membrane by means of a memory formalism

`Abstract + Refs` `Full Text`   Show Abstract Caputo, M., Cametti, C., Ruggero, V. 2008 *Physica A: Statistical Mechanics and its Applications* 387 (8-9), pp. 2010-2018   IF= 1.441

-   Exponential estimates for oscillatory integrals with degenerate phase functions

`Abstract + Refs` `View at Publisher`   Show Abstract Cardin, F., Gramchev, T., Lovison, A. 2008 *Nonlinearity* 21 (3), pp. 409-433 IF= 1.359

- Fundamental solutions to central symmetric problems for fractional heat conduction equation and associated thermal stresses `Abstract + Refs` `View at Publisher`   Povstenko, Y.Z. 2008 *Journal of Thermal Stresses* 31 (2), pp. 127-148   IF= 0.992

- Opial type inequalities involving Riemann-Liouville fractional derivatives of two functions with applications `Abstract + Refs` `Full Text`   Anastassiou, G.A. 2008 *Mathematical and Computer Modelling* 48 (3-4), pp. 344-374 IF=1.032

- Unified fractional integral formulae for the Fox-Wright generalized hypergeometric function, by Saxena, R.K.[a] 🔒, Ram, J.[a] 🔒, Chandak, S.[a] 🔒, Kalla, S.L., in: Kuwait Journal of Science and Engineering Volume 35, Issue 1, 2008, Pages 1-20

 - J. Paneva-Konovska, Theorems on the convergence of series in generalized Bessel-Maitland functions, *Math. Balkanica*, vol. **22**, No 1-2 (2008).

- M. Rivero, L.Rodriguez-Germa, J. Trujillo, M. Pilar Velasco, Extending the integral representation of special functions in the fractional calculus framework, *Proc. 3rd IFAC Workshop "FDA'08",* Ankara, Nov. 2008
- L. Rodriguez-Germa, J. Trujillo, L. Vazquez, M. Pilar Velasco, Fractional calculus framework to avoid singularities of differential equations, *FCAA* **11**, No 4 (2008), pp. 431-441
- M. Krnic, Z. Tomovski, J. Pecaric, Hilbert inequalities related to generalized hypergeometric functions *mFn*, *Math. Balkanica*, Vol. 22, 2008, Fasc. 3-4, pp. 307-322
- M. Belmekki, M. Benchohra, L. G´Orniewicz, Functional differential equations with fractional order and infinite delay, *Fixed Point Theory*, Vol. **9**, No. 2, 2008, 423-439
http://www.math.ubbcluj.ro/_nodeacj/sfptcj.html

2007 → 12

- On the existence and uniqueness of solutions of a class of fractional differential equations Ibrahim, R.W., Momani, S. 2007 *Journal of Mathematical Analysis and Applications* 334 (1), pp. 1-10   IF =0.872

- Theory of fractional differential inequalities and applications   Abstract + Refs Lakshmikantham, V., Vatsala, A.S. 2007 *Communications in Applied Analysis* 11 (3-4), pp. 395-402

- The role of the Fox-Wright functions in fractional sub-diffusion of distributed order Mainardi, F., Pagnini, G. 2007 *Journal of Computational and Applied Mathematics* 207 (2), pp. 245-257   IF =0.943

- Fractional extensions of the temperature field problems in oil strata   Abstract + Refs Show Abstract Galue, L., Kalla, S.L., Al-Saqabi, B.N. 2007 *Applied Mathematics and Computation* 186 (1), pp. 35-44   IF =0.821

- Explicit solutions of a certain class of differential equations by means of fractional calculus, Srivastava, H.M., Lin, S.-D., Chao, Y.-T., Wang, P.-Y. 2007 *Russian Journal of Mathematical Physics* 14 (3), pp. 357-365   IF =1.012

- Explicit solutions of a certain class of associated Legendre equations by means of

fractional calculus   Abstract + Refs   Full Text   Show Abstract Lin, S.-D., Tsai, Y.-S., Wang, P.-Y. 2007 *Applied Mathematics and Computation* 187 (1 SPEC. ISS.), pp. 280-289   IF =0.821

- N-Fractional calculus of products of some power functions and some doubly infinite sums , Nishimoto, K. 2007 *Applied Mathematics and Computation* 187 (1 SPEC. ISS.), pp. 340-349   IF =0.821

- On the Riemann-Liouville fractional calculus, g-Jacobi functions and F-Gauss functions

    Full Text   Mirevski, S.P., Boyadjiev, L., Scherer, R. 2007 *Applied Mathematics and Computation* 187 (1 SPEC. ISS.), pp. 315-325   IF (2007) = 0.821

- J. Paneva-Konovska: On the convergence of series in Bessel-Maitland functions, Accepted in: *Annuaire de l' Universite de Sofia, Faculte de Mathematiques et Informatique*, Vol. **99** (2007)

- J. Paneva-Konovska, Index-asymptotic formulae for Wright's generalized Bessel functions, *Math. Science Research J.*, vol. **11**, No 5 (May 2007), 424-431

- J. Paneva-Konovska, Theorems on the convergence of series in generalized Lommel-Wright

functions. *Fractional Calculus & Applied Analysis,* Vol. **10,** <u>No 1</u> (2007), 59-74.

- R.W. Ibrahim, S. Momani, Multiple Solutions for Multi-Order Fractional Differential Equations**,** *Arab Journal of Math. and Mathematical Sciences,*Vol. **1**, No 1 (2007), 19–26 (Research India Publications, <u>http://www.ripublication.com/ajmms.htm</u>)

2006 → 9

- <u>Srivastava, H.M.</u>[a], <u>Lin, S.-D.</u>[b], <u>Wang, P.-Y.</u>, Some fractional-calculus results for the H̄-function associated with a class of Feynman integrals, **Russian Journal of Mathematical Physics** Volume 13, Issue 1, 2006, Pages 94-100

- New function of Mittag-Leffler type and its application in the fractional diffusion-wave

equation `Abstract + Refs` `Full Text`   Show Abstract <u>Yu, R.</u>, <u>Zhang, H.</u> 2006 *Chaos, Solitons and Fractals* 30 (4), pp. 946-955 IF =2.042

- Minimal cyclic random motion in Rn and hyper-Bessel functions
<u>Lachal, A.</u>, <u>Leorato, S.</u>, <u>Orsingher, E.</u> 2006 *Annales de l'institut Henri Poincare (B) Probability and Statistics* 42 (6), 753-772 IF =0.747

- On weighted inequalities for certain fractional integral operators `Abstract + Refs`
<u>Raina, R.K.</u> 2006 *International Journal of Mathematics and Mathematical Sciences* 2006, art. no. 79196

- Positive solutions for nonlinear fractional differential equations with coefficient that

changes sign `Abstract + Refs` `Full Text`   Show Abstract <u>Bai, C.</u> 2006 *Nonlinear Analysis, Theory, Methods and Applications* 64 (4), pp. 677-685 IF =0.677

- Some fractional-calculus results for the H̄-function associated with a class of Feynman

integrals `Abstract + Refs` `View at Publisher`   Show Abstract <u>Srivastava, H.M.</u>, <u>Lin, S.-D.</u>, <u>Wang, P.-Y.</u> 2006 *Russian Journal of Mathematical Physics* 13 (1), pp. 94-100 IF =0.493

- M. Caputo, Memory, reciprocity and double Green function in the diffusion through a layer, *Int. J. Appl. Math.*, vol. **19**, No 4 (2006)

- N. Virchenko, On the generalized confluent hypergeometric function and its application, *FCAA*, Vol. **9**, No 2 (2006), 101-108.

- A. Kilbas, R.K. Saxena, J.Trujillo, Kratzel function as a function of hypergeometric type, *FCAA*, Vol. **9**, No 2 (2006), 109-132.

2005 → 3

- New exact solutions of differential equations derived by fractional calculus

`Abstract + Refs` `Full Text` Show Abstract Felber, F.S. 2005 *Applied Mathematics and Computation* 170 (2), pp. 1261-1270 IF =0.688

- Memory formalism in the passive diffusion across highly heterogeneous systems

`Abstract + Refs` `Full Text` Show Abstract Cesarone, F., Caputo, M., Cametti, C. 2005 *Journal of Membrane Science* 250 (1-2), pp. 79-84 IF =2.654

- Fox H functions in fractional diffusion `Abstract + Refs` Show Abstract Mainardi, F., Pagnini, G., Saxena, R.K. 2005 *Journal of Computational and Applied Mathematics* 178 (1-2 SPEC. ISS.), pp. 321-331 IF =0.569

2004 → 7

- Some integrals involving Wright's hypergeometric function | [Algunas integrales que involucran la función hipergeométrica de Wright] `Abstract + Refs` `View at Publisher` Show Abstract Duque, D., Galué, L. 2004 *Revista Tecnica de la Facultad de Ingenieria Universidad del Zulia* 27 (1), pp. 13-19

- Diffusion in porous layers with memory `Abstract + Refs` `View at Publisher` Show Abstract Caputo, M., Plastino, W. 2004 *Geophysical Journal International* 158 (1), pp. 385-396 IF=2.014

- Fractional derivatives and the inverse Fourier transform of ℓ 1-radial functions

`Abstract + Refs` `View at Publisher` Show Abstract Zu Castell, W. 2004 *Integral Transforms and Special Functions* 15 (3), pp. 209-223 IF =0.274

- Existence of positive solutions for fractional differential equations with Riemann-Liouville left-hand and right-hand fractional derivatives `Abstract + Refs` Zhang, S. 2004 *Electronic Journal of Differential Equations* 2004, pp. 1-12

- T.Atanackovic and Bogoljub Stankovic, On a system of differential equations with fractional derivatives arising in rod theory, *J. Phys. A: Math. Gen.* 37 (2004), 1241-1250 IF =1.504

- Yu. Luchko, Operational rules for a mixed operator of the Erdelyi-Kober type, *FCAA*, Vol. **7**, No 3 (2004), pp. 339-364

- L. Debnath, A brief historical introduction to fractional calculus, *Int. J. Math. Educ. Sci. Techn.* (Taylor & Francis) **35**, no 4 (2004), 487-501.

2003 → 8 cit., Total IF = 2.303

- The Wright functions as solutions of the time-fractional diffusion equation

`Abstract + Refs` `Full Text`   Show Abstract Mainardi, F., Pagnini, G. 2003 *Applied Mathematics and Computation* 141 (1), pp. 51-62   IF =0.426

- Further results on fractional calculus operators involving the Appell function F3

`Abstract + Refs`   Show Abstract Galué, L. 2003 *Kuwait Journal of Science and Engineering* 30 (1), pp. 1-13

- Salvatore Pincherle: The pioneer of the Mellin-Barnes integrals

`Abstract + Refs` `Full Text`   Show Abstract Mainardi, F., Pagnini, G. 2003 *Journal of Computational and Applied Mathematics* 153 (1-2), pp. 331-342   IF =0.567

- Existence of positive solution for some class of nonlinear fractional differential equations

`Abstract + Refs` `Full Text`   Show Abstract Zhang, S. 2003 *Journal of Mathematical Analysis and Applications* 278 (1), pp. 136-148   IF =0.473

- Response of a diffusion-wave system subjected to deterministic and stochastic fields
`Abstract + Refs` `View at Publisher` Show Abstract Agrawal, O.P. 2003 *ZAMM Zeitschrift fur Angewandte Mathematik und Mechanik* 83 (4), pp. 265-274   IF = 0.154

- Diffusion with space memory modelled with distributed order space fractional

differential equations `Abstract + Refs`   Show Abstract Caputo, M. 2003 *Annali di Geofisica* 46 (2), pp. 223-234   IF =0.683

- L. Galue, Further results on fractional calculus operators involving the Appel function F3, *Kuwait J. Sci. Eng.*, vol. **30**, No 1 (2003), pp. 1-13

- D. Duque, L. Galue, Some results involving generalized τ-Laguerre polynomials, *Int. J. Appl. Math.*, vol. **14**, No 1 (2003), 1-9

2002 → 4

- Recurrence relations for radial positive definite functions `Abstract + Refs` `Full Text`

   Show Abstract Zu Castell, W. 2002 *Journal of Mathematical Analysis and Applications* 271 (1), pp. 108-123   IF =0.444
 - Stochastic analysis of a 1-D system with fractional damping of order 1/2 `Abstract + Refs`

   Show Abstract Agrawal, O.P. 2002 *Journal of Vibration and Acoustics, Transactions of the ASME* 124 (3), pp. 454-460   IF =0.514

- A numerical scheme for dynamic systems containing fractional derivatives

Abstract + Refs   Show Abstract   Yuan, L., Agrawal, O.P. 2002 *Journal of Vibration and Acoustics, Transactions of the ASME* 124 (2), pp. 321-324   IF = 0.514

- S.P. Spirova, V. Hernandez Suarez, F.Cabrera Suarez, Mittag-Leffler type functions of M. Dzrbashjan, related fractional order integro-differentiations and Laplace-type integral transforms, *Math. Sci. Res. J.*, vol. **6**, No 6 (2002), 263-280.

2001 → 3

- The Obrechkoff transform on spaces of generalized functions   **Abstract + Refs**
View at Publisher Show Abstract Cruz-Báez, D.I., Rodríguez, J. 2001 *Rocky Mountain Journal of Mathematics* 31 (1), pp. 141-155   IF = 0.175
- Operators of fractional integration and their applications   **Abstract + Refs**
Full Text Show Abstract Srivastava, H.M., Saxena, R.K. 2001 *Applied Mathematics and Computation* 118 (1), pp. 1-52 IF =0.359

- M. Garg, V. Katta, S.L. Kalla, On a class of generalized elliptic-type integrals, *Serdica Math. J.*, **27**, No 3 (2001), 219-232.

2000 → 9

- Asymptotics of zeros of the Wright function   **Abstract + Refs**   Show Abstract Luchko, Yu. 2000 *Zeitschrift fur Analysis und ihre Anwendung* 19 (2), pp. 583-595

- A modified Bessel-type integral transform and its compositions with fractional calculus

operators on spaces $F_{p,\mu}$ and $F_{p,\mu}'$ **Abstract + Refs**   Show Abstract Glaeske, H.-J., Kilbas, A.A., Saigo, M. 2000 *Journal of Computational and Applied Mathematics* **118** (1-2), pp. 151-168   IF =0.455

- Composition of hypergeometric fractional operators   **Abstract + Refs**   Show Abstract Galué, L. 2000 *Kuwait Journal of Science and Engineering* 27 (1), pp. 1-13

- Composition of Erdélyi-Kober fractional operators   **Abstract + Refs** **View at Publisher**
Show Abstract Galué, L., Kalla, S.L., Tuan, V.K. 2000 *Integral Transforms and Special Functions* 9 (3), pp. 185-196   IF =0.198

- A fractional calculus operators approach to doubly confluent Heun and generalized ellipsoidal wave equations   **Abstract + Refs**   Show Abstract Ali, I. 2000 *Kuwait Journal of Science and Engineering* 27 (1), pp. 19-26

- Wright functions as scale-invariant solutions of the diffusion-wave equation

`Abstract + Refs`   Show Abstract Gorenflo, R., Luchko, Y., Mainardi, F. 2000 *Journal of Computational and Applied Mathematics* 118 (1-2), pp. 175-191   IF =0.455

- Commutativity of the Leibniz rules in fractional calculus `Abstract + Refs`
`Full Text` Show Abstract Tu, S.-T., Wu, T.-C., Srivastava, H.M. 2000 *Computers and Mathematics with Applications* 40 (2), pp. 303-312   IF =0.339

- I. Ali, Arbitrary order linear ordinary differintegral equations with polynomial coefficients, *J. Fractional Calculus*, v. **17** (May 2000), 49-57

- L. Galue, Composition of hypergeometric fractional operators, *Kuwait J. Sci. Eng.*, vol. **27**, No 1 (2000), 1-13.

1999 → 3

- Fractional calculus approach to dynamic problems of viscoelastic materials `Abstract + Refs`

    Show Abstract   Shimizu, N., Zhang, W. 1999 *JSME International Journal. Series C: Mechanical Systems, Machine Elements and Manufacturing* 42 (4), pp. 825-837   IF=0.097

- Some subclasses of analytic functions associated with fractional calculus operators

`Abstract + Refs`   `Full Text`   Show Abstract Raina, R.K., Srivastava, H.M. 1999 *Computers and Mathematics with Applications* 37 (9), pp. 73-84   IF =0.314

- Analytic continuation of operators applications: From number theory and group theory to quantum field and string theories `Abstract + Refs` `View at Publisher`   Show Abstract Woon, S.C. 1999 *Reviews in Mathematical Physics* 11 (4), pp. 463-501   IF =0.814

1998 → 9

- Invariance of a Partial Differential Equation of Fractional Order under the Lie Group of Scaling Transformations `Abstract + Refs`   `Full Text`   Show Abstract Buckwar, E., Luchko, Y. 1998 *Journal of Mathematical Analysis and Applications* 227 (1), 81-97   IF =0.392

- A note on differential subordination associated with H-function `Abstract + Refs`   Show Abstract Choi, J.H. 1998 *Indian Journal of Pure and Applied Mathematics* 29 (12), pp. 1217-1225

- Fractional curl operator in electromagnetics `Abstract + Refs` `View at Publisher` Show Abstract Engheta, N. 1998 *Microwave and Optical Technology Letters* 17 (2), pp. 86-91 IF =0.443

- Exact solution for the reflection and diffraction of atomic de Broglie waves by a

travelling evanescent laser wave **Abstract + Refs** **View at Publisher**   Show Abstract
Witte, N.S. 1998 *Journal of Physics A: Mathematical and General* 31 (2), pp. 807-832
IF =1,545

- A.A. Kilbas, B. Bonilla, J. Rodriguez, J. Trujillo, M. Rivero, Compositions of fractional
integrals and derivatives with Bessel type function and solution of differential and integral
equations, *Dokl. Akad. Nauk Belarusi*, 42, No 2 (1998), 25-29 (In Russian)   IF =0.135

- M. Saigo, N. Maeda, More generalization of fractional calculus, In: "*Transform Methods
and Special Functions'96*" , IMI - BAN, 1998, 386-400.

- F. Mainardi, Considerations on fractional calculus: Interpretations and applications, In:
"*Transform Methods and Special Functions'96*" , IMI - BAN, 1998, 594-597

- L. Galue, S.L. Kalla, Some recurrence relations for the generalized hypergeometric functions
of the Gauss type, *FCAA*, vol.**1**, No 1 (1998), 49-62

- A. Kilbas, B. Bonilla, M. Rivero, J. Rodriguez, J. Trujillo, Compositions of Bessel type
integral transform with fractional operators on spaces Fp,m and F'p,m, *FCAA*, vol. **1**, No 2
(1998), 135-150

1997 → 7

- On certain classes of analytic functions and applications to fractional calculus operators

Abstract + Refs **View at Publisher**   Show Abstract Raina, R.K. 1997 *Integral Transforms
and Special Functions* 5 (3-4), pp. 247-260   (n/a)

- Riesz potential and Riemann-Liouville fractional integrals and derivatives of Jacobi
polynomials **Abstract + Refs** Show Abstract Podlubny, I. 1997 *Applied Mathematics Letters*
10 (1), pp. 103-108   IF =0.442

- Applications of fractional calculus to dynamic problems of linear and nonlinear hereditary

mechanics of solids **Abstract + Refs**   Show Abstract Rossikhin, Y.A., Shitikova, M.V.
1997 *Applied Mechanics Reviews* 50 (1), pp. 15-67   (n/a)

- Fractional calculus operators and their applications involving power functions and

summation of series **Abstract + Refs**   Show Abstract Chen, M.-P., Srivastava, H.M. 1997
Applied Mathematics and Computation 81 (2-3), pp. 287-304   IF =0.231

- On the role of fractional calculus in electromagnetic theory **Abstract + Refs** **View at Publisher**
Show Abstract Engheta, N. 1997 *IEEE Antennas and Propagation Magazine* 39 (4), pp. 35-46
IF =0.852

- Kummer's twenty-four functions and N-fractional calculus **Abstract + Refs**   Show

Abstract Nishimoto, K. 1997 *Nonlinear Analysis, Theory, Methods and Applications* 30 (2), pp. 1271-1282   IF =0.280

- R.K. Saxena, M.K. Soni, On unified fractional integration operators, *Math. Balkanica*, **11**, No 1-2 (1997), 69-78

1996 → 8

- On generalized fractional integration operators with Fox's H-function on spaces Fp,μ and Fl

p,μ   Abstract + Refs | View at Publisher   Show Abstract Kilbas, A.A., Saigo, M. 1996 *Integral Transforms and Special Functions* 4 (1-2), pp. 103-114

 - Fractional relaxation-oscillation and fractional diffusion-wave phenomena

Abstract + Refs | Full Text   Show Abstract Mainardi, F. 1996 *Chaos, Solitons and Fractals* 7 (9), pp. 1461-1477   (n/a)

-   On fractional calculus and fractional multipoles in electromagnetism

Abstract + Refs | View at Publisher   Show Abstract Engheta, N. 1996 *IEEE Transactions on Antennas and Propagation* 44 (4), pp. 554-566   IF =0.855

- An application of fractional calculus to the solution of a general class of differintegral

equations   Abstract + Refs   Show Abstract Ali, I., Kalla, S. 1996 *Applied Mathematics and Computation* 77 (2-3), pp. 137-152   IF =0.143

- A generalization of the integral operators involving the Gauss' hypergeometric function
Abstract + Refs Curiel, L., Galué, L. 1996 *Revista Tecnica de la Facultad de Ingenieria Universidad del Zulia* 19 (1), pp. 17-22

- I. Podlubny, Riesz potential and Riemann-Liouville fractional integrals and derivatives of Jacobi polynomials, *Appl. Math. Letters* (1996),   IF = 0.346

- M. Saigo, A.A. Kilbas, Compositions of generalized fractional integration operators with Fox H-function and a differential operator in axisymmetric potential theory, *Dokl. Akad. Nauk Belarusi*, 40, No 6 (1996), 12-17 (In Russian)   IF =0.135

- R.K. Raina, A note on multidimensional modified fractional calculus operators, *Proc. Indian Acad. Sci.-Math. Sci.*, **106**, No 2 (1996), 155-162.

1995 → 5

- K. Nishimoto, On Nishimoto's fractional calculus, In: *'Transform Methods and Special Functions'94''* , SCTP – Singapore, 1995, 199-212.

- S.L. Kalla, Applications and approximations of special functions, In: *'Transform*

Methods and Special Functions'94'' , SCTP – Singapore, 1995, 93-98.

- F. Mainardi, M. Tomirotti, On a special function arising in th time fractional diffusion-wave equation, In: *'Transform Methods and Special Functions'94*" , SCTP – Singapore, 1995, 171-183.

- R. Gorenflo, R. Rutman, On ultraslow and intermediate processes, In: *'Transform Methods and Special Functions'94*", SCTP – Singapore, 1995, 61-81.

- R.N. Kalia, Integral transforms, fractional calculus and special functions, In: *'Transform Methods and Special Functions'94*" , SCTP – Singapore, 1995, 82-92.

PUBLICATIONS

of Asso. Prof. DrSc. Virginia Kiryakova
IMI – BAS, Sofia - Bulgaria

List of Research Papers:

Totally: cited > 300 times , With total IF of citations (articles) > 50

--

[K 1] I.H. Dimovski, V. S. Kiryakova: On an integral transformation, due to N. Obrechkoff **, *Lecture Notes in Math., 798 (1980); 141-147.**

3 Cit, IF=0.175 :

- L. Debnath, G.L.N. Rao, A generalized Meijer transformation, *Internat. J. Math. Math. Sci.*, **8,** No 2 (1985), pp. 359-365.

- The Obrechkoff transform on spaces of generalized functions

Abstract + Refs View at Publisher   Show Abstract Cruz-Báez, D.I., Rodríguez, J. 2001 *Rocky Mountain Journal of Mathematics* 31 (1), pp. 141-155 , IF =0.175

- Some integral operators of Buschman-Erdélyi type

Abstract + Refs   Show Abstract Virchenko, N. 1996 *Revista Tecnica de la Facultad de Ingenieria Universidad del Zulia* 19 (2), pp. 85-90

[K 2] I.H. Dimovski, V. S. Kiryakova: Complex inversion formulas for the Obrechkoff transform, *Pliska* (*Stud. Math. Bulg.)*, **4** (1981), 110-116

[K 3] I. Dimovski, V. Kiryakova: Relation between the Laplace and Obrechkoff transforms, *Proc. Conf. Generalized Functions in Math. Physics*, *Moscow' 1980,* Moscow, 1981, 225-231 (In Russian).

[K 4] V.S. Kiryakova: An explanation of Stokes phenomenon by the method of transmutations, *Proc. Conf. Diff. Equations and Appl., Rousse'1981.* Rousse, 1982, 349-353.

1 Citation:

-   In Ph.D. Thesis: V.S. Adamchik, *Singular Cases of Functions and Differential Equations of Hypergeometric Type and some of Their Applications* (In Russian), Belorussian State Univ., Minsk, 1986, 226 p.

[K 5] I.H. Dimovski, V. S. Kiryakova: Convolution and commutant of Gelfond-Leontiev operator of integration, ***Proc. Conf. Constr. Function Theory, Varna'1981,* Sofia, 1982, 288-294.**

10 citations, in 5 books, 1 Ph.D., and 4 papers, IF = 0.234

- Book: С.Г. Самко, А.А. Килбас, О.И. Маричев*, Интегралы и производные дробного порядка и некоторые их приложения*, Наука и Техника, Минск, 1987.

- Book: М.К. Фаге, Н. И. Нагнибида, *Проблема эквивалентности обыкновенных линейных дифференциальных опеарторов*, Изд. Наука, Новосибирск, 1987.

- Book: Nguyen Thanh Hai, S.B. Yakubovich, *The Double Mellin-Barnes Type Integrals and Their Applications to Convolution Theory*, World Sci., Singapore, 1992.

- Book: S.G. Samko, A.A. Kilbas, O.I. Marichev, *Fractional Integrals and Derivatives (Theory and Applications),* Gordon and Breach Sci. Publ., 1993

- Ph.D. Thesis : Yu. Luchko, *Some Operational Correlations for the H-Transform and Their Applications* (In Russian), Belorussian State Univ., Minsk, 1993, 122 p.

- Book: S.B. Yakubovich, Yu. F. Luchko*, Hypergeometric Approach to Integral Transforms and Convolutions*, Kluwer Acad. Publ., Dordrecht, 1994

+ citations in papers:

- N. Linchouk, Representation of the commutant of the generalized Gelfond-Leontiev integration operator (In Russian), *Izvestija Vyshih Uchebnyh Zaved., Matematika*, 1985, No 5, pp. 72-74; IF = 0.032
- J.A. Alamo, J. Rodriguez, Operational calculu for modified Erdelyi-Kober operator, *Serdica (Bulg. Math. Publ.),* **20**, No 3-4 (1994), 351-363.
- Yu. Luchko, Operational rules for a mixed operator of the Erdelyi-Kober type, *FCAA*, Vol. 7, No 3 (2004), pp. 339-364
- J. Paneva-Konovska, Convergence of series in Mittag-Leffler functions, C. R. Acad. Bulg. Sci., 63, No 6 (2010), 815-822, IF = 0,202

 [K 6]   I. Dimovski, V. Kiryakova: Convolution and differential property of Borel-Dzrbashjan transform, ***Proc. Conf. Complex Anal. and Appl., Varna'81,* Sofia,1984, 148-156;**

6 citations: in 2 books, 1 Ph.D, 3 articles:

- Book: Nguyen Thanh Hai, S.B. Yakubovich, *The Double Mellin-Barnes Type Integrals and Their Applications to Convolution Theory*, World Sci., Singapore, 1992.

- Ph.D. Thesis :Yu. Luchko, *Some Operational Correlations for the H-Transform and Their Applications* (In Russian), Belorussian State Univ., Minsk, 1993, 122 p.

- Book: S.B. Yakubovich, Yu. F. Luchko, *Hypergeometric Approach to Integral Transforms and Convolutions*, Kluwer Acad. Publ., Dordrecht, 1994

- Yu. Luchko, S.B. Yakubovich, Convolutions of the generalized fractional integration operators, *Proc. Complex Anal. and Appls*, *Varna'91*, Sofia 1993, 199-211
- S.P. Spirova, V. Hernandez Suarez, F.Cabrera Suarez, Mittag-Leffler type functions of

  M. Dzrbashjan, related fractional order integro-differentiations and Laplace-type integral transforms, *Math. Sci. Res. J.*, vol. **6**, No 6 (2002), 263-280.
 - Yu. Luchko, Operational rules for a mixed operator of the Erdelyi-Kober type, *FCAA*, Vol. **7**, No 3 (2004), 339-364

[K 7] R.K. Raina, V. Kiryakova: On the Weyl fractional operator of two dimensions, *C. R. Acad. Bulg. Sci.*, 36 (1983), *No* 10, 1273-1276.

7 citations: in 2 books, and 5 articles; IF =0.12

- Book: С.Г. Самко, А.А. Килбас, О.И. Маричев, *Интегралы и производные дробного порядка и некоторые их приложения*, Наука и Техника, Минск, 1987.

- Book: S.G. Samko, A.A. Kilbas, O.I. Marichev, *Fractional Integrals and Derivatives (Theory and Applications)*, Gordon and Breach Sci. Publ., 1993.

-   R.K. Saxena, O.P. Gupta, R.K. Kumbhat, On two dimensional Weyl fractional calculus, *C.R. Acad. Bulg. Sci*. **42**, No 7 (1989),11-14 (IF =0.12)

-   R.K. Saxena, J. Ram, On the two dimensional Whittaker transform, *Serdica (Bulg. Math. Publ.)*, **15**, No 2 (1989), 27-30.

-   K. Nishimoto, T. Yaguchi, Fractional calculus of some elementary function of two variables, *Proc. Conf. Fractional Calculus and Its Appls, Tokyo'1989* (Nihon Univ., 1989), 149-158

-   K. Nishimoto, R.K. Saxena, On the two-dimensional Erdelyi-Kober operators of Weyl type, *J. College Eng. Nihon Univ., Ser. B*, **31** (1990), 23-27,

 - Two-dimensional generalized Weyl fractional calculus pertaining to two-

dimensional Ħ-transforms   Chaurasia, V.B.L., Srivastava, A. 2006 *Tamkang Journal of Mathematics* **37** (3), pp. 237-249

-

[**K 8**]   **V. S. Kiryakova: An application of Meijer's G-function to Bessel-type operators,** *Proc. Conf. Constr. Function Theory, Varna'1981*, % 1983 ??? Sofia, *1*984, 457-462.

6 citations: 1 book, 1 Ph.D., 4 articles

- Ph.D. Thesis: V.S. Adamchik, *Singular Cases of Functions and Differential Equations of Hypergeometric Type and some of Their Applications* (In Russian), Belorussian State Univ., Minsk, 1986, 226 p.

- Book: H.M. Srivastava, R.G. Buschman, *Theory and Applications of Convolution Integral Equations,* Kluwer Acad. Publ., Dordrecht-Boston-London, 1992, 240 p

- J.J. Betancor, J.A. Barrios, Operational calculus for the generalized Bessel type operator, *Simon Stevin (Quart. J. Pure Appl. Math.),* **66**, No 1-2 (1992), 89-98.

- J. J. Betancor, A Mikusinski calculus for an operator containing a fractional derivative, *Rev. Tecn. Fac. Ingr. Univ. Zulia*, **16** (1993),

- N. Hayek, V. Hernandez-Suarez, The generalized sinus and the Bessel-Clifford functions of the order *n*, *Revista Ciencias Matematicas (de la Habana),* **11** (1993) - N. Hayek, V. Hernandez-Suarez, On a class of functions connected with the hyper-Bessel functions, *Jnanabha*, **23** (1993), 9-18.

--

[**K 9**]   V. S. Kiryakova: Integral transformations for Bessel-type differential operators via Meijer 's *G*-function,   ***Proc. Conf. Complex Anal. and Appl. to Partial Diff. Equations, Halle'1984,* 1984, 67-71**.

1 , Cited in:

- Ph.D. Thesis: V.S. Adamchik, *Singular Cases of Functions and Differential Equations of Hypergeometric Type and some of Their Applications* (In Russian), Belorussian State Univ., Minsk, 1986, 226 p.

[**K 10**]   **I.H. Dimovski, V. S. Kiryakova:** Transmutations, convolutions and fractional powers of Bessel-type operators via Meijer G-functions,   ***Proc. Conf. Complex Anal. and Appl., Varna'1983,* Sofia, 1985, 45-66.**

14 Citations: 5 books, 2 Ph.D, 7 articles

- Book: С.Г. Самко, А.А. Килбас, О.И. Маричев, Интегралы и производные

дробного порядка и некоторые их приложения, Наука и Техника, Минск, 1987.

- <mark>Ph.D. Thesis</mark>: V.S. Adamchik, *Singular Cases of Functions and Differential Equations of Hypergeometric Type and some of Their Applications* (In Russian), Belorussian State Univ., Minsk, 1986, 226 p.

- <mark>Book</mark>: Nguyen Thanh Hai, S.B. Yakubovich, The Double Mellin-Barnes Type Integrals and Their Applications to Convolution Theory, World Sci., Singapore, 1992.

- <mark>Book</mark>: S.G. Samko, A.A. Kilbas, O.I. Marichev, Fractional Integrals and Derivatives (Theory and Applications), Gordon and Breach Sci. Publ., 1993

- <mark>Book</mark>: H.M. Srivastava, R.G. Buschman, *Theory and Applications of Convolution Integral Equations,* Kluwer Acad. Publ., Dordrecht-Boston-London, 1992, 240 p

- <mark>Ph.D. Thesis</mark>: Yu. Luchko, *Some Operational Correlations for the H-Transform and Their Applications* (In Russian), Belorussian State Univ., Minsk, 1993, 122 p.

- <mark>Book</mark>: S.B. Yakubovich, Yu. F. Luchko, Hypergeoemtric Approach to Integral Transforms and Convolutions, Kluwer Acad. Publ., Dordrecht, 1994

Cited in papers:

- S.L. Kalla, L. Galue, Integral operators involving incomplete cylindrical functions, In: *Proc. Conf. Complex Anal. and Appl., Varna'1987*, Sofia, 1989, 260-269.

- K. Nishimoto, S.L. Kalla, Applications of fractional calculus to a third order linear ordinary differential equations, *Serdica (Bulg. Math. Publ.)* **14**, No 4 (1988), 385-391

- G.J.M. Rodriguez, Operational calculus for an integral transformation of Watson type and an integro-differential operator*, Proc. Conf. Fractional Calculus and Its Appls, Tokyo'1989* (Nihon Univ., 1989), 191-200

- K. Nishimoto, S.L. Kalla, Use of fractional calculus to solve certain linear differential equations, *J. College Eng. Nihon Univ., Ser. B*, 30 (1989), 23-28

- B. Al-Saqabi, S.L. Kalla, Solution of second and third order linear differential equations by fractional calculus, *Tamkang J. of Math*., **21**, No 3 (1990), 191-200.

- J. J. Betancor, A Mikusinski calculus for an operator containing a fractional derivative, *Rev. Tecn. Fac. Ingr. Univ. Zulia*, **16** (1993),

- Yu. Luchko, S.B. Yakubovich, Convolutions of the generalized fractional integration operators, *Proc. Complex Anal. and Appls*, *Varna'91*, Sofia 1993, 199-211.

-

[K 11] V. S. Kiryakova: On a class of generalized operators of fractional integration, ***Proc. Jubilee Session devoted to Acad. Chakalov, Samokov'1986, 1990, 79-87.***

<mark>3 citations</mark> in:

- A generalization of the integral operators involving the Gauss' hypergeometric

function [Abstract + Refs]   Show Abstract Curiel, L., Galué, L. 1996 *Revista Tecnica de la Facultad de Ingenieria Universidad del Zulia* 19 (1), pp. 17-22

- S.L. Kalla, L. Galue, Generalized fractional calculus based upon composition of some basic operators, In: *Recent Advances in Fractional Calculus* (Ed. R.N. Kalia), Global Publ. Co. USA, 1993, pp. 145-178.

 - S.L. Kalla, L. Galue, H.M. Srivastava, Further results on an H-function generalized fractional calculus, *J. Fract. Calc.* , Vol. 4 (1993), pp. 89-102.

[K 12] V. S. Kiryakova: On operators of fractional integration involving Meijer's *G-* functions, ***C.R. Acad. Bulg. Sci.*, 39 (1986),** *No* **10, 25-28. (<u>Zbl 0606.33008</u>)**

<mark>13 citations, in</mark>: 3 books, 10 articles ,   <mark>IF =0.455</mark>

- <mark>Book:</mark> S.G. Samko, A.A. Kilbas, O.I. Marichev, Fractional Integrals and Derivatives (Theory and Applications), Gordon and Breach Sci. Publ., 1993

- <mark>Book</mark>: A.A. Kilbas, M. Saigo, H-Transforms (Theory and Applications), Taylor & Francis and CRC Press, 2004.
 - <mark>Book:</mark> AM Mathai, RK Saxena, HJ Haubold, The H-Function (Theory and Applications), Springer, 2010, on p. 236.
- On the classical d-orthogonal polynomials defined by certain generating functions, II

[Abstract + Refs]   Show Abstract Ben Cheikh, Y., Douak, K. 2001 *Bulletin of the Belgian Mathematical Society - Simon Stevin* 8 (4), pp. 591-605

- Operators of fractional integration and their applications

[Abstract + Refs]   Show Abstract Srivastava, H.M., Saxena, R.K. 2001 *Applied Mathematics and Computation* 118 (1), pp. 1-52   <mark>IF =0.455</mark>

- A generalization of the integral operators involving the Gauss' hypergeometric function [Abstract + Refs] Curiel, L., Galué, L. 1996 *Revista Tecnica de la Facultad de Ingenieria Universidad del Zulia* 19 (1), pp. 17-22

- R.K. Saxena, J. Ram, On certain multidimensional generalized Kober operators, *Collectanea Math.*, **41**, No 1 (1990), 27-34.
- M. Saigo, R.K. Raina, On the fractional calculus operator involving Gauss's series and its application to certain statistical distributions, *Rev. Tec. Fac. Ingr. Univ. Zulia*, **14**, No 1 (1991), 53-62
- R.K. Saxena, A. Ramawat, Y. Singh, Multidimensional fractional integration operators associated with multivariable I-function, *Ganita Sandesh*, **6**, No 2 (1992), 105-112.
- S.L. Kalla, L. Galue, Generalized fractional calculus based upon composition of some basic operators, In: *Recent Advances in Fractional Calculus* (Ed. R.N. Kalia), Global Publ. Co. USA, 1993, pp. 145-178.
- S.L. Kalla, L. Galue, H.M. Srivastava, Further results on an H-function generalized fractional calculus, *J. Fract. Calc.*, Vol. **4** (1993), pp. 89-102.
- D.N. Vyas, P.K. Banerji, Dirichlet average associated with the psi-function, *Serdica (Bulg. Math. Publ.)*, **20** (1994).

- R.K. Saxena, M.K. Soni, On unified fractional integration operators, *Math. Balkanica*, **11**, No 1-2 (1997), 69-78.
- N. Virchenko, O.P. Haidey, On generalized *m*-Bessel functions, *Integral Transform. Spec. Funct.*, **8**, No 3-4 (1999), 275-286.
- V. B. L. Chaurasia, Amber Srivastava, A Unified Approach to Fractional Calculus Pertaining to H-Functions, *Soochow Journal of Mathematics,* Vol. **33**, No. 2 (April 2007, 211-221.
- H. Haubold, D. Kumar, S.S. Nair, D.P. Joseph, Special functions and pathways for problems in astrophysics: An essay in honor of A.M. Mathai, *Fract. Calc. Appl. Anal.* , Vol. **13**, No 2 (2010).

[K 13] I.H. Dimovski, V. S. Kiryakova: Generalized Poisson transmutations and corresponding representations of hyper-Bessel functions, *C.R. Acad. Bulg. Sci.,* 39 (1986), *No* 10, 29-32.

10 Citations, in: 10 articles , IF =1.859

- Some integrals involving Wright's hypergeometric function | [Algunas integrales que involucran la función hipergeométrica de Wright]

Abstract + Refs | View at Publisher   Show Abstract Duque, D., Galué, L. 2004 *Revista Tecnica de la Facultad de Ingenieria Universidad del Zulia* **27** (1), pp. 13-19 0

- Decomposition of some special functions with respect to the cyclic group of order n and applications , Cheikh, Y.B. 2001 *Nonlinear Analysis, Theory, Methods and Applications* 47 (3), pp. 1919-1930 IF =0.314

- Exact solution for the reflection and diffraction of atomic de Broglie waves by a travelling evanescent laser wave Abstract + Refs | View at Publisher Show Abstract Witte, N.S. 1998 *Journal of Physics A: Mathematical and General* 31 (2), pp. 807-832, IF =1.545

- G.J.M. Rodriguez, Operational calculus for an integral transformation of Watson type and an integro-differential operator, *Proc. Conf. Fractional Calculus and Its Appls, Tokyo'1989* (Nihon Univ., 1989), 191-200
- J.M. Gonzalez-Rodriguez, Nuevas propriedadas de la foncion di-Bessel de Exton, *Rev. Tec. Fac. Ingr. Univ. Zulia*, **15**, No 2 (1992), 135-141
- N. Hayek, V. Hernandez-Suarez, The generalized sinus and the Bessel-Clifford functions of the order *n*, *Revista Ciencias Matematicas (de la Habana),* **11** (1993)

- N. Hayek, V. Hernandez-Suarez, On a class of functions connected with the hyper-Bessel functions, *Jnanabha*, **23** (1993), 9-18.

- N. Hayek, V. Hernandez-Suarez, Relations between the Besel-Clifford functions of the order *n* and the generalized trigonometric and hyperbolic sinus, *C. R. Acad. Bulg. Sci.* 46, No 12 (1993)

- D. Duque, L. Galue, Some results involving generalized τ-Laguerre polynomials, *Int. J. Appl. Math.*, vol. **14**, No 1 (2003), 1-9
- L. Rodriguez-Germa, J. Trujillo, L. Vazquez, M. Pilar Velasco, Fractional calculus framework to avoid singularities of differential equations, *FCAA,* **11**, No 4 (2008), pp. 431-441

[K 14] V. S. Kiryakova: New integral representations of the generalized hypergeometric functions, ***C.R. Acad. Bulg. Sci*., 39 (1986), *No* 12, 33-36.**

1 citation: IF=0.073

On generalized *m*-Bessel functions `Abstract + Refs` `View at Publisher` Show Abstract Virchenko, N.O., Haidey, V.O. 1999 *Integral Transforms and Special Functions* 8 (3-4), pp. 275-286 IF=0.073

[K 15] V. S. Kiryakova: An application of the generalized operators of fractional integration to dual integral equations involving Meijer's *G*-function, ***Pliska (Stud. Math. Bulg*.), 10 (1989), 93-107.**

3 Citations, in:

-    R. N. Kalia, Fractional calculus: Its brief history and recent advances, In: *Recent Advances in Fractional Calculus* (Ed. R.N. Kalia), Global Publ. Co. USA, 1993, 1-30.
- S.L. Kalla, L. Galue, Generalized fractional calculus based upon composition of some basic operators, In: *Recent Advances in Fractional Calculus* (Ed. R.N. Kalia), Global Publ. Co. USA, 1993, pp. 145-178.
- S.L. Kalla, L. Galue, H.M. Srivastava, Further results on an H-function generalized fractional calculus, *J. Fract. Calc*., Vol. **4** (1993), pp. 89-102.

[K 16] V. Kiryakova: *Generalized Operators of Fractional Integration and*

Differentiation and Applications, <u>**Ph.D. Thesis**</u>**, Sofia Univ., 1986.**

<mark>**8 citations:**</mark>   <mark>**IF = 0.143**</mark>

- S.L. Kalla, L. Galue, Integral operators involving incomplete cylindrical functions, In: *Proc. Conf. Complex Anal. and Appl., Varna'1987*, Sofia, 1989, 260-269.

- K. Nishimoto, S.L. Kalla, Applications of fractional calculu to a third order linear ordinary differential equations, *Serdica (Bulg. Math. Publ.)* **14**, No 4 (1988), 385-391

- K. Nishimoto, S.L. Kalla, Use of fractional calculus to solve certain linear differential equations, *J. College Eng. Nihon Univ., Ser. B*, 30 (1989), 23-28

- B. Al-Saqabi, S.L. Kalla, Solution of second and third order linear differential equations by fractional calculus, *Tamkang J. of Math*., **21**, No 3 (1990), 191-200.

-    R. N. Kalia, Fractional calculus: Its brief history and recent advances, In: *Recent Advances in Fractional Calculus* (Ed. R.N. Kalia), Global Publ. USA, 1993, 1-30

- S.L. Kalla, L. Galue, Generalized fractional calculus based upon composition of some basic operators, In: *Recent Advances in Fractional Calculus* (Ed. R.N. Kalia), Global Publ. Co. USA, 1993, 145-178.

- S.L. Kalla, L. Galue, H.M. Srivastava, Further results on an H-function generalized fractional calculus, *J. Fract. Calc*., Vol. 4 (1993), 89-102.

- I. Ali, S. Kalla, An application of fractional calculus to the solution of a general class of differintegral equations `Abstract + Refs` Show Abstract Ali, I., Kalla, S. 1996 *Applied Mathematics and Computation* 77 (2-3), pp. 137-152   <mark>IF = 0.143</mark>

[K 17] V. Kiryakova: Applications of the generalized Poisson transformation for solving hyper-Bessel differential equations, ***Godishnik VUZ. Appl. Math.*, 22 (1986),** *No* **4, 129-140.**

<mark>**1 Citation ,**</mark> <mark>**IF =1,545**</mark>

- Exact solution for the reflection and diffraction of atomic de Broglie waves by a

travelling evanescent laser wave `Abstract + Refs` `View at Publisher`   Show Abstract Witte, N.S. 1998 *Journal of Physics A: Mathematical and General* 31 (2), pp. 807-832 <mark>IF =1,545</mark>

[K 18] I.H. Dimovski, V. S. Kiryakova: Generalized Poisson representations of hyper-geometric functions *pFq, p < q* using fractional integrals, ***Math. and Educ.***

Math., **1987, 205-212.**

4 citations: IF =1.545

- J.M. Gonzalez-Rodriguez, Nuevas propriedadas de la foncion di-Bessel de Exton, *Rev. Tec. Fac. Ingr. Univ. Zulia*, **15**, No 2 (1992), 135-141

- N. Hayek-Calil, V. Hernandez-Suarez, Representations integrals de las funciones de Bessel-Clifford de tercer orden, *Rev. Acad. de Ciencias Zaragoza*, **47** (1992), 51-60

- N. Hayek, V. Hernandez-Suarez, Relations between the Besel-Clifford functions of the order *n* and the generalized trigonometric and hyperbolic sinus, *C. R. Acad. Bulg. Sci.* 46, No 12 (1993)

- Exact solution for the reflection and diffraction of atomic de Broglie waves by a travelling evanescent laser wave `View at Publisher`   Witte, N.S. 1998 *Journal of Physics A: Mathematical and General* 31 (2), pp. 807-832, IF =1.545

[**K 19**] **V. S. Kiryakova:** Generalized fractional derivative representations of hyper-geometric functions *pFq* with *p < q*, **Math. and Educ. Math.**, **1987, 228-235.**

1 citation,   IF =1,545

- Exact solution for the reflection and diffraction of atomic de Broglie waves by a travelling evanescent laser wave `View at Publisher`   Witte, N.S. 1998 *Journal of Physics A: Mathematical and General* 31 (2), pp. 807-832, IF =1.545

[K 20] V. S. Kiryakova Generalized fractional integral and fractional derivative representations of hypergeometric functions *pFq* for *p = q* and *p = q + 1, Proc. Conf. Constr. Function Theory, Varna'1987,* 1988, 260-269.

[**K 21**]   **V. S. Kiryakova, S. Spirova:** Representations of the solutions of hyper-Bessel differential equations via Meijer's *G*-function, ***Proc. Conf. Complex Anal. and Appl., Varna'1987,* 1989, 284-297**.

9 citations, in: 1 book, 1 Ph.D, 7 articles ; IF=0.430

- Ph.D. Thesis: Yu.F. Luchko, *Some Operational Correlations for the H-Transform and Their Applications* (In Russian), Belorussian State Univ., Minsk, 1993, 122 p

- Book: S.B. Yakubovich, Yu. F. Luchko, Hypergeoemtric Approach to Integral Transforms and Convolutions, Kluwer Acad. Publ., Dordrecht, 1994

- N. Hayek-Calil, V. Hernandez-Suarez, Representations integrals de las funciones de Bessel-Clifford de tercer orden, *Rev. Acad. de Ciencias Zaragoza*, **47** (1992), 51-60
- N. Hayek, V. Hernandez-Suarez, On a class of functions connected with the hyper-Bessel functions, *Jnanabha*, **23** (1993), 9-18.
- N. Hayek, V. Hernandez-Suarez, The generalized sinus and the Bessel-Clifford functions of the order *n*, *Revista Ciencias Matematicas (de la Habana),* **11** (1993)
- Yu. Luchko, S.B. Yakubovich, Operational calculus for the generalized fractional differentiation operator and applications, *Math. Balkanica (N.S.),* **7**, No 2 (1993), 119-130
- N. Hayek, V. Hernandez-Suarez, Relations between the Besel-Clifford functions of the order *n* and the generalized trigonometric and hyperbolic sinus, *C. R. Acad. Bulg. Sci.* 46, No 12 (1993)
- Yu.F. Luchko, S.B. Yakubovich, An operational method for solving some classes of integrodifferential equations, *Diff. Equations* (Plenum), **30**, No 2 (1994), 247-256. IF=0.126
- Yu.F. Luchko, H.M. Srivastava, The exact solution of certain differential-equations of fractional order by using operational calculus, *Comput. Math. Appl.*, **29**, No 8 (1995), 73-85. IF= 0.304

-

[K 22] V. S. Kiryakova : Convolutions of Erdelyi-Kober fractional integrals, ***Proc. Conf. Complex Anal. and Appl., Varna'1987 , 1989, 273-283.***

9 Citations, in: 2 books, 1 Ph.D, 6 articles ; IF = 0.226

- Book: Nguyen Thanh Hai, S.B. Yakubovich, The Double Mellin-Barnes Type Integrals and Their Applications to Convolution Theory, World Sci., Singapore, 1992.

- Ph.D. Thesis: Yu.F. Luchko, *Some Operational Correlations for the H-Transform and Their Applications* (In Russian), Belorussian State Univ., Minsk, 1993, 122 p

- Book: S.B. Yakubovich, Yu. F. Luchko, *Hypergeometric Approach to Integral Transforms and Convolutions,* Kluwer Acad. Publ., Dordrecht, 1994

- Yu. Luchko, S.B. Yakubovich, Generating operators and convolutions for some integral transforms, *Dokl. Akad. Nauk Belarusi*, **35**, No 9 (1991), 773-776. IF = 0.113 (1992)
- Yu. Luchko, S.B. Yakubovich, Convolutions of the generalized fractional integration operators, *Proc. Complex Anal. and Appls*, *Varna'91*, Sofia 1993, 199-211

- Yu. Luchko, S.B. Yakubovich, Operational calculus for the generalized fractional differentiation operator and applications, *Math. Balkanica (N.S.),* **7**, No 2 (1993), 119-130

- J.A. Alamo, J. Rodriguez, Operational calculu for modified Erdelyi-Kober operator, *Serdica (Bulg. Math. Publ.),* **20**, No 3-4 (1994), 351-363.

- Yu.F. Luchko, S.B. Yakubovich, An operational method for solving some classes of integrodifferential equations, *Diff. Equations* (Plenum), **30**, No 2 (1994), 247-256, IF= 0.113
- Yu. Luchko, Operational rules for a mixed operator of the Erdelyi-Kober type, *FCAA*, Vol. **7**, No 3 (2004), pp. 339-364

[K 23] V. S. Kiryakova: A generalized fractional calculus and integral transforms, ***Proc. Conf. GFCA, Dubrovnik'1987*** (Plenum Publ. Co., N. York), 1988, 205-217.

8 citations, in: 3 books, 5 articles IF =0.198

- Book: S.G. Samko, A.A. Kilbas, O.I. Marichev, *Fractional Integrals and Derivatives (Theory and Applications)*, Gordon and Breach Sci. Publ., 1993
- Book: A.A. Kilbas, M. Saigo, *H-Transforms (Theory and Applications),* Taylor & Francis and CRC Press, 2004.
- Book: AM Mathai, RK Saxena, HJ Haubold, The H-Function (Theory and Applications), Springer, 2010, on p. 236

- Further results on fractional calculus operators involving the Appell function F3
 Galué, L. 2003 *Kuwait Journal of Science and Engineering* **30** (1), pp. 1-13

- Composition of Erdélyi-Kober fractional operators
 Abstract + Refs View at Publisher Galué, L., Kalla, S.L., Tuan, V.K. 2000 *Integral Transforms and Special Functions* **9** (3), pp. 185-196   IF =0.198
- Composition of hypergeometric fractional operators Abstract + Refs Galué, L. 2000 *Kuwait Journal of Science and Engineering* **27** (1), pp. 1-13

- S.L. Kalla, L. Galue, Generalized fractional calculus based upon composition of some basic operators, In: *Recent Advances in Fractional Calculus* (Ed. R.N. Kalia), Global Publ. Co. USA, 1993, pp. 145-178.
- S.L. Kalla, L. Galue, H.M. Srivastava, Further results on an H-function generalized fractional calculus, *J. Fract. Calc.*, Vol. **4** (1993), pp. 89-102.

[K 24] V. S. Kiryakova: A new differential formula for Meijer's *G*-function, *C.R. Acad. Bulg. Sci.*, **41** (1988**)**, *No* 5, 27-30.

[K 25] D. Nikolic-Despotovic, V. S. Kiryakova: Abelian theorems for the Obrechkoff integral transform, *Review Research Fac. Sci., Math. Ser., Univ. Novi Sad*, **18** (1988), *No* 2, 45-60.

[K 26] V. S. Kiryakova: Multiple Erdelyi-Kober fractional differintegrals and their use in univalent, starlike and convex function theory, ***Annuaire Univ. Sofia Fac. Math. Mech.** (**Annual of the University of Sofia**)*, **81 (1987) , 261-283.**

4 citations: **IF = 1.327**

- d-Orthogonality of Humbert and Jacobi type polynomials

| Abstract + Refs | Full Text | Show Abstract Lamiri, I., Ouni, A. 2008 *Journal of Mathematical Analysis and Applications* 341 (1), pp. 24-51   IF = 0.872 (2007) result2.
- Operators of fractional integration and their applications

| Abstract + Refs | Full Text | Show Abstract Srivastava, H.M., Saxena, R.K. 2001 *Applied Mathematics and Computation* 118 (1), pp. 1-52   **IF =0.455**

- S.L. Kalla, L. Galue, Generalized fractional calculus based upon composition of some basic operators, In: *Recent Advances in Fractional Calculus* (Ed. R.N. Kalia), Global Publ. Co. USA, 1993, pp. 145-178.
- S.L. Kalla, L. Galue, H.M. Srivastava, Further results on an H-function generalized fractional calculus, *J. Fract. Calc*., Vol. **4** (1993), pp. 89-102.

[K 27] V. Kiryakova: Explicit solution to a generalized (multiple) Abel integral equation via H-function, *Enlarged Summaries of Conf. Equadiff 7, Praha'1989,* 1989, 153-155.

[K 28]   V. S. Kiryakova: Generalized *H(m,0/m,m)* - function fractional integration operators in some classes of analytic functions, ***Mat. Vesnik* (*Bulletin Mathematique, Beograd)*, 40 (1988)**, *No* **3-4, 259-266.**

3 citations: in 2 books, 1 article

- Book: S.G. Samko, A.A. Kilbas, O.I. Marichev, Fractional Integrals and Derivatives (Theory and Applications), Gordon and Breach Sci. Publ., 1993.

 - Book: AM Mathai, RK Saxena, HJ Haubold, The H-Function (Theory and Applications), Springer, 2010, on p. 236

- Characterization properties for starlike and convex functions involving a class of fractional integral operators | Abstract + Refs | Show Abstract Raina, R.K., Bolia, M. 1997 *Rendiconti del Seminario Matematico dell Universita di Padovo* 97, pp. 61-71

[K 29] V. S. Kiryakova: Fractional integration operators involving Fox's *H(m,0/m,m)*- **function,** *C.R. Acad. Bulg. Sci.*, 41 (1988), *No* 11, 11-14.

 - Book: A.A. Kilbas, M. Saigo, *H-Transforms (Theory and Applications*), Taylor &
 Francis and CRC Press, 2004.
- Book: AM Mathai, RK Saxena, HJ Haubold, The H-Function (Theory and
Applications), Springer, 2010, on p. 236
- On convolution structures for H-function transformations

Abstract + Refs | View at Publisher   Show Abstract Raina, R.K., Kalia, R.N. 1998
Analysis Mathematica **24** (3), pp. 221-239 0
result2.
- Characterization properties for starlike and convex functions involving a class of
fractional integral operators Raina, R.K., Bolia, M. 1997 *Rendiconti del Seminario
Matematico dell Universita di Padovo* **97**, pp. 61-71

- On generalized fractional integration operators with fox's H-function on spaces
$F_{p,\mu}$ and $Fl_{p,\mu}$ Abstract + Refs   Show Abstract Kilbas, A.A., Saigo, M. 1996
Integral Transforms and Special Functions **4** (1-2), pp. 103-114

- M. Saigo, R.K. Raina, On the fractional calculus operator involving Gauss's series
and its application to certain statistical distributions, *Rev. Tec. Fac. Ingr. Univ.
Zulia*, **14**, No 1 (1991), 53-62
- V. I. Chopik, Non-Lie reduction of nonlinear Schrödinger equation, *Ukrainian
Mathematical Journal* (Springer, New York) - *Translated from Ukrainskii
Matematicheskii Zhurnal*, Vol. **43**, No. 11, pp. 1504–1508, November, 1991

 - R.K. Saxena, A. Ramawat, Y. Singh, Multidimensional fractional integration
operators associated with multivariable I-function, *Ganita Sandesh*, **6**, No 2 (1992),
105-112.

- R.K. Raina, M. Saigo, A note on fractional calculus operators involving Fox's H-
function on space Fp,m, In: *Recent Advances in Fractional Calculus* (Ed. R.N.
Kalia), Global Publ.-USA, 1993, 219-229
- A.A. Kilbas, M. Saigo, S.A. Shlapakov, Integral transforms with H-functions in
Ln,r-spaces, *Fukuoka Univ. Sci. Reports*, **23**, No 1 (1993), 9-31
- M. Saigo, R.K. Raina, A. Kilbas, On a generalized fractional calculus operators
and their compositions with axisymmetric differential operators of the potential
theory on spaces Fp,m and F'p,m, *Fukuoka Univ. Sci. Reports*, **23**, No 2 (1993),
133-154
- A. Kilbas. M. Saigo, S.A. Shlapakov, Integral transforms with Fox's H-function in
spaces of summable functions, *Integral Transforms and Special Functions*, **1**, No 2
(1993), 87-104.
- M. Saigo, A.A. Kilbas, Compositions of generalized fractional integration
operators with Fox H-function and a differential operator in axisymmetric potential
theory, *Dokl. Akad. Nauk Belarusi*, 40, No 6 (1996), 12-17 (In Russian) IF =0.135

 - V. B. L. Chaurasia, A. Sharma, A study of generalizad frcational integration operators
 with H-functions composition on spaces Fp,μ and F'p,μ, *Analele Stint. Ale Univ.
 "Ali Cuza" din Iasi (S.N), Matematica*, t. **LVI**, f.1 (2010), 65-80.

--- ------------------------

[K 30]   S.L. Kalla, V. S. Kiryakova**: An *H*-function generalized fractional calculus based upon compositions of Erdelyi-Kober operators in *Lp*,** *Math. Japonicae,* 35 (1990), *No* 6, 1151-1171.

14 citations, in: 3 books, 12 articles   IF = 0.901

-   Book: S.B. Yakubovich, Yu. F. Luchko, *Hypergeometric Approach to Integral Transforms and Convolutions,* Kluwer Acad. Publ., Dordrecht, 1994

- Book: A.A. Kilbas, M. Saigo, *H-Transforms (Theory and Applications),* Taylor & Francis and CRC Press, 2004.

- Book: AM Mathai, RK Saxena, HJ Haubold, The H-Function (Theory and Applications), Springer, 2010, on p. 234

- Further results on fractional calculus operators involving the Appell function F3
 Galué, L. 2003 *Kuwait Journal of Science and Engineering* 30 (1), pp. 1-13

- Operators of fractional integration and their applications `Abstract + Rets`   Show Abstract Srivastava, H.M., Saxena, R.K. 2001 *Applied Mathematics and Computation* 118 (1), pp. 1-52 IF =0.455
- Composition of Erdélyi-Kober fractional operators `Abstract + Refs` `View at Publisher` Show Abstract Galué, L., Kalla, S.L., Tuan, V.K. 2000 *Integral Transforms and Special Functions* 9 (3), pp. 185-196 IF =0.198

- Composition of hypergeometric fractional operators `Abstract + Refs` Show Abstract Galué, L. 2000 *Kuwait Journal of Science and Engineering* 27 (1), pp. 1-13

- Characterization properties for starlike and convex functions involving a class of

fractional integral operators `Abstract + Refs`   Show Abstract Raina, R.K., Bolia, M. 1997 *Rendiconti del Seminario Matematico dell Universita di Padovo* 97, pp. 61-71 result9.

- On generalized fractional integration operators with Fox's H-function on spaces Fp,µ and Fl p,µ `Abstract + Refs` `View at Publisher` Show Abstract Kilbas, A.A., Saigo, M. 1996 *Integral Transforms and Special Functions* 4 (1-2), pp. 103-114

- R.K. Raina, M. Saigo, A note on fractional calculus operators involving Fox's H-function on space Fp,m, In: *Recent Advances in Fractional Calculus* (Ed. R.N. Kalia), Global Publ.-USA, 1993, 219-229
- Yu.F. Luchko, S.B. Yakubovich, An operational method for solving some classes of integrodifferential equations, *Diff. Equations* (Plenum), **30**, No 2 (1994), 247-256. . IF=0.113
- M. Saigo, A.A. Kilbas, Compositions of generalized fractional integration operators with Fox H-function and a differential operator in axisymmetric potential

theory, *Dokl. Akad. Nauk Belarusi*, 40, No 6 (1996), 12-17 (In Russian)   <mark>IF =0.135</mark>

- R.K. Saxena, M.K. Soni, On unified fractional integration operators, *Math. Balkanica*, **11**, No 1-2 (1997), 69-78

- L. Debnath, A brief historical introduction to fractional calculus, *Int. J. Math. Educ. Sci. Techn.* (Taylor & Francis) **35**, no 4 (2004), 487-501.

- V. B. L. Chaurasia And Amber Srivastava, A Unified Approach To Fractional Calculus Pertaining to H-Functions, *Soochow Journal of Mathematics,* Vol. **33**, No. 2,   pp. 211-221 (April 2007)

- V. B. L. Chaurasia, A. Sharma, A study of generalizad frcational integration operators

   with H-functions composition on spaces Fp,μ and F'p,μ, *Analele Stint. Ale Univ. "Ali Cuza" din Iasi (S.N), Matematica*, t. **LVI**, f.1 (2010), 65-80.

[K 31] S.L. Kalla, **V. S. Kiryakova**: A generalized fractional calculus dealing with *H*-functions, ***Proc. Conf. Fractional Calculus and Its Appl., Tokyo'1989* (Nihon Univ.), 1990, 62-69.**

<mark>**14**</mark> **Citations, in : 2 books, 1 Ph.D, 11 articles**:

- <mark>Book</mark>: S.G. Samko, A.A. Kilbas, O.I. Marichev, *Fractional Integrals and Derivatives (Theory and Applications)*, Gordon and Breach Sci. Publ., 1993.

- <mark>Ph.D. Thesis</mark>: Yu.F. Luchko, *Some Operational Correlations for the H-Transform and Their Applications* (In Russian), Belorusian State Univ., Minsk, 1993, 122 p.

- <mark>Book</mark>: S.B. Yakubovich, Yu. F. Luchko, *Hypergeometric Approach to Integral Transforms and Convolutions,* Kluwer Acad. Publ., Dordrecht, 1994

- M. Saigo, R.K. Raina, On the fractional calculus operator involving Gauss's series and its application to certain statistical distributions, *Rev. Tec. Fac. Ingr. Univ. Zulia*, **14**, No 1 (1991), 53-62.

- R.K. Saxena, A. Ramawat, Y. Singh, Multidimensional fractional integration operators associated with multivariable I-function, *Ganita Sandesh*, **6**, No 2 (1992), 105-112.

- Yu. Luchko, S.B. Yakubovich, Operational calculus for the generalized fractional differentiation operator and applications, *Math. Balkanica (N.S.),* **7**, No 2 (1993), 119-130

- R. N. Kalia, Fractional calculus: Its brief history and recent advances, In: *Recent Advances in Fractional Calculus* (Ed. R.N. Kalia), Global Publ. Co. USA, 1993, 1-30;

- R.K. Raina, M. Saigo, A note on fractional calculus operators involving Fox's H-

function on space Fp,m, In: *Recent Advances in Fractional Calculus* (Ed. R.N. Kalia), Global Publ.-USA, 1993, 219-229

- A.A. Kilbas, M. Saigo, S.A. Shlapakov, Integral transforms with H-functions in Ln,r-spaces, *Fukuoka Univ. Sci. Reports*, **23**, No 1 (1993), 9-31

- M. Saigo, R.K. Raina, A. Kilbas, On a generalized fractional calculus operators and their compositions with axisymmetric differential operators of the potential theory on spaces Fp,m and F'p,m, *Fukuoka Univ. Sci. Reports*, **23**, No 2 (1993), 133-154

- A. Kilbas. M. Saigo, S.A. Shlapakov, Integral transforms with Fox's H-function in spaces of summable functions, *Integral Transforms and Special Functions*, **1**, No 2 (1993), 87-104.

- On generalized fractional integration operators with Fox's H-function on spaces

Fp,µ and Fl p,µ   `Abstract + Refs` `View at Publisher`   Show Abstract Kilbas, A.A., Saigo, M. 1996 *Integral Transforms and Special Functions* **4** (1-2), pp. 103-114

- R.K. Saxena, M.K. Soni, On unified fractional integration operators, *Math. Balkanica*, **11**, No 1-2 (1997), 69-78

- V. B. L. Chaurasia, A.Srivastava, A unified approach to fractional calculus pertaining to H-functions, *Soochow Journal of Mathematics,* Vol. **33**, No. 2 (April 2007), 211-221.

- V. B. L. Chaurasia, A. Sharma, A study of generalizad frcational integration operators

with H-functions composition on spaces Fp,µ and F'p,µ, *Analele Stint. Ale Univ. "Ali Cuza" din Iasi (S.N), Matematica*, t. **LVI**, f.1 (2010), 65-80.

[K 32] V. S. Kiryakova: Poisson and Rodrigues type fractional differintegral formulas for the generalized hypergeometric functions *pFq, **Atti Sem. Mat. Fis. Univ. Modena**, 39 (1990), 311-322*;

2 citations:

- D.N. Vyas, P.K. Banerji, Dirichlet average associated with the psi-function, *Serdica (Bulg. Math. Publ.)*, **20** (1994).
- M. Krnic, Z. Tomovski, J. Pecaric, Hilbert Inequalities Related to Generalized Hypergeometric Functions mFn, *Math. Balkanica*, Vol. **22**, 2008, Fasc. 3-4, 307-322

[K 33] S.L. Kalla, L. Galue, V.S. Kiryakova: Some expansions related to a family of generalized radiation integrals, *Math. Balkanica (N.S.)*, 1991, 5, *No* 3, 190-202;

11 Citations; in 10 articles each with IF (!),   total   IF = 7.774

- Jonathan Murley and Nasser Saad**,** Calculation of generalized Hubbell rectangular source integral, *__Applied Radiation and Isotopes__*__,__ **Article in Press,** Corrected Proof (2010), IF= 1,094

- Recursion formulas for Appell's hypergeometric function F2 with some applications

to radiation field problems [Abstract + Refs] [Full Text]   Show Abstract Opps, S.B., Saad, N., Srivastava, H.M. 2009 *Applied Mathematics and Computation* 207 (2), pp. 545-558   IF =0.961   (2009)

- On the evaluation of rectangular plane-extended sources and their associated

radiation fields [Abstract + Refs] [Full Text]   Show Abstract Oner, F. 2007 *Applied Radiation and Isotopes* 65 (10), pp. 1121-1124 IF = 1.008
result3.

- Plane rectangular tritium target response to excitation by uniform distributed normal

accelerated deuteron beam [Abstract + Refs] [Full Text]   Show Abstract Timus, D.M., Srivastava, H.M., Scarlat, F.F. 2005 *Applied Radiation and Isotopes* 63 (5-6 SPEC. ISS.), pp. 823-839   IF = 0.757
result4.

- Calculation of the generalized Hubbell rectangular source integrals using binomial coefficients Guseinov, I.I., Mamedov, B.A. 2005 *Applied Mathematics and Computation* 161 (1), 285-292,   IF =0.688

- Evaluation of the Hubbell radiation rectangular source integral using binomial

coefficients [Abstract + Refs] [Full Text]   Show Abstract Guseinov, I.I., Öner, F., Mamedov, B.A. 2004 *Radiation Physics and Chemistry* 69 (2), 109-112 , IF =0.890
result7.

- On Hubbell's rectangular source integral [Abstract + Refs] [Full Text] Show Abstract Stalker, J. 2001 *Radiation Physics and Chemistry* 62 (4), 311-315 , IF =0.819
- Some generalized radiation field integrals [Abstract + Refs] El-Gabali, M., 1996 *Computers and Mathematics with Applications* 32 (12), pp. 121-128 IF =0.419

- D.M. Timus, Short contribution to low-order approximation study of anisotropically emitting rectangular sources*, J. Nucl. Sci. Technol.*, **32**, No 9 (1995), 928-935. IF =0.371

- D.M. Timus, Some further results on the Hubbell rectangular integral, *J. Comput. Appl. Math.*, **45** (1993), 331-336; IF = 0,290

- L. Galue, C. Leubner, Algorithms for the approximation of the generalized Hubbell rectangular source integrals, *Radiation Physics & Chemistry*, **43**, No 5 (1994), 497-502; IF = 0.477

-   Murley, J., Saad, N., Simple formula for computing the Hubbell radiation rectangular source integral, Radiation Physics and Chemistry , Volume 80, Issue 1, January 2011, Pages 11-13   IF= 1,132

-   Murley, J., Saad, N., Calculation of generalized Hubbell rectangular source integral, **Applied Radiation and Isotopes**, Volume 69, Issue 1, January 2011, Pages 90-93   **, IF = 0,999**

[K 34]   R.K. Saxena, V.S. Kiryakova: On a relation between the two-dimentional *H*-transforms in terms of Erdelyi-Kober operators, *Math. Balkanica (N.S.)*, 6, No 2 (1992), 133-140.

3 citations: IF =0.455

- Two-dimensional generalized Weyl fractional calculus pertaining to two-dimensional

H̄-transforms   Abstract + Refs   Show Abstract Chaurasia, V.B.L., Srivastava, A. 2006 *Tamkang Journal of Mathematics* 37 (3), pp. 237-249

- Operators of fractional integration and their applications   Abstract + Refs

Full Text   Show Abstract Srivastava, H.M., Saxena, R.K. 2001 *Applied Mathematics and Computation* 118 (1), pp. 1-52   IF =0.455

- VBL Chaurasia, M. Agnihotri, The two dimensional generalized Weyl fractional calculus and special functions, *Tamkang J. of Math*., **41**, No 2 (2010), 139-148.

[K 35]   V.S. Kiryakova, H.M. Srivastava: Generalized (multiple) Riemann-Liouville fractional differintegrals and their use in univalent function theory, In: *"Analysis, Geometry and Groups: a Riemann Legacy Volume"* . Hadronic Press, Inc., (Florida, USA - ISBN 0-911767-59-2), 1993, Part 1, 191-226.

2 citations: IF = 0.769

- Operators of fractional integration and their applications   Abstract + Refs Show Abstract Srivastava, H.M., Saxena, R.K. 2001 *Applied Mathematics and Computation* 118 (1), pp. 1-52   IF =0.455
result3.

- Some subclasses of analytic functions associated with fractional calculus

operators **Abstract + Refs**   Show Abstract Raina, R.K., Srivastava, H.M. 1999 *Computers and Mathematics with Applications* 37 (9), pp. 73-84   IF =0.314

[K 36] L. Galue, V.S. Kiryakova, S.L. Kalla: Solution of dual integral equations by fractional calculus**,** *Mathematica Balkanica (N.S.)*, 7, *No* 1 (1993), 53-72.

2 citations: in 1 book + 1 article   IF =0.455

 - Book: AM Mathai, RK Saxena, HJ Haubold, The H-Function (Theory and Applications), Springer, 2010, on p. 230

- Operators of fractional integration and their applications **Abstract + Refs** Show Abstract Srivastava, H.M., Saxena, R.K. 2001 *Applied Mathematics and Computation* 118 (1), pp. 1-52 IF =0.455

[K 37]   V.S. Kiryakova: Solving hyper-Bessel differential equations by means of Meijer's *G*-functions, I: Two alternative approaches, *Reports Strathclyde Univ., Math. Dept.*,1992, *No* **19**, 36 p.

[K 38] V.S. Kiryakova, A. McBride: On solving hyper-Bessel differential equations by means of Meijer's *G*-functions, II: The nonhomogeneous case, *Reports Strathclyde Univ., Math. Dept.*,1992, *No* **20**, 22 p.

[K 39]   I.H. Dimovski, V.S. Kiryakova: Discrete operational calculi for two-sided sequences, *The Fibonacci Quarterly (Proc. Fifth Internat. Conf. on Fibonacci Numbers and Their Applications) ,* **5** (1993), 159-68.

[K 40]   R.K. Saxena, V. Kiryakova, O.P. Davie: A unified approach to certain fractional integration operators, *Math. Balkanica (New Ser.)*, **8,** *No* 2-3 (1994), 211-219. (Zbl 0894.26002)

 - cited in: K. Gupta, V. Agrawal, A theorem connecting the H-transform and fractional integral operators involving the multivariable H-function, *Tamsui Oxford Journal of Mathematical Sciences* 26 (4) (2010), 383-395 (Aletheia University).

[K 41] L. Galue, V. Kiryakova: Further results on a family of generalized radiation integrals, *Radiation Physics & Chemistry ,* **43,** *No* 6 (1994), 573-579.

==**14 citations, in: 12 articles <u>each with IF</u> (!);   Total   IF = 7,**==

- Magdi A. El-Gabali, Multiple-term approximations for Appell's F_1 function*, The Journal of the Australian Mathematical Society. Series B. Applied Mathematics*, **39** (1997), 135-148 (Cambridge University Press), doi:10.1017/S0334270000009267

- Recursion formulas for Appell's hypergeometric function F2 with some applications

to radiation field problems `Abstract + Refs`   `Full Text`   Show Abstract Opps, S.B., Saad, N., Srivastava, H.M. 2009 *Applied Mathematics and Computation* 207 (2), pp. 545-558   IF =0.821   (2007)

- On the evaluation of rectangular plane-extended sources and their associated radiation fields `Full Text` Oner, F. 2007 *Applied Radiation and Isotopes* 65 (10), pp. 1121-1124   IF = 1.008

- Plane rectangular tritium target response to excitation by uniform distributed normal

accelerated deuteron beam `Abstract + Refs`   Show Abstract Timus, D.M., Srivastava, H.M., Scarlat, F.F. 2005 *Applied Radiation and Isotopes* 63 (5-6 SPEC. ISS.), pp. 823-839   IF =0.757

- Calculation of the generalized Hubbell rectangular source integrals using binomial

coefficients `Abstract + Refs`   Show Abstract Guseinov, I.I., Mamedov, B.A. 2005 *Applied Mathematics and Computation* 161 (1), pp. 285-292   ==IF = 0.688==

- Evaluation of the Hubbell radiation rectangular source integral using binomial

coefficients `Abstract + Refs`   Show Abstract Guseinov, I.I., O̎ner, F., Mamedov, B.A. 2004 *Radiation Physics and Chemistry* 69 (2), pp. 109-112   ==IF =0.890==

 - Development of the Hubbell rectangular source integral `Abstract + Refs`   Show Abstract Kalla, S.L., Al-Shammery, A.H., Khajah, H.G. 2002 *Acta Applicandae Mathematicae* 74 (1), pp. 35-55   ==IF=0.469==

- On Hubbell's rectangular source integral `Abstract + Refs`   `Full Text`   Show Abstract Stalker, J. 2001 *Radiation Physics and Chemistry* 62 (4), 311-315   ==IF =0.819==

- Tau method approximation of the Hubbell rectangular source integral `Abstract + Refs`   `Full Text` Show Abstract Kalla, S.L., Khajah, H.G. 2000 *Radiation Physics and Chemistry* 59 (1), pp. 17-21 ==IF =0.613==
result10.

- Multiple-term approximations for Appell's F1 function `Abstract + Refs`

`View at Publisher`   Show Abstract El-Gabali, M.A. 1997 *Journal of the Australian Mathematical Society Series B-Applied Mathematics* 39 (1), pp. 135-148 IF=0.183

- Tau method approximation of some integrals related to radiation field problems

`Abstract + Refs`   Show Abstract Kalla, S.L., Khajah, H.G. 1997 *Computers and Mathematics with Applications* 33 (5), pp. 21-27 IF =0.313

- Some generalised radiation field integrals `Abstract + Refs` `Full Text` Show Abstract El-Gabali, M., Kalla, S. 1996 *Computers and Mathematics with Applications* 32 (12), pp. 121-128 , IF = 0.419

- S. L. Kalla, H.G. Khajah, Radiation field integrals and their evaluation techniques, In: "*Transform Methods and Special Functions, Varna'96*", Sofia 1998, 164-177

- D.M. Timus, Short contribution to low-order approximation study of anisotropically emitting rectangular sources, *J. Nucl. Sci. Technol.*, **32**, No 9 (1995), 928-935. IF =0.371

- Murley, J., Saad, N., Simple formula for computing the Hubbell radiation rectangular source integral, Radiation Physics and Chemistry , Volume 80, Issue 1, January 2011, Pages 11-13 IF= 1,132

- Murley, J., Saad, N., Calculation of generalized Hubbell rectangular source integral, **Applied Radiation and Isotopes**, Volume 69, Issue 1, January 2011, Pages 90-93 **, IF = 0,999**

[K 42] V. Kiryakova, A. McBride: Explicit solution of the nonhomogeneous hyper-Bessel differential equation, ***C.R. Acad. Bulg. Sci.,* 46, *No* 5 (1993), 23-26.**

1 citation: IF =1,545

- Exact solution for the reflection and diffraction of atomic de Broglie waves by a

travelling evanescent laser wave `Abstract + Refs` `View at Publisher`   Show Abstract Witte, N.S. 1998 *Journal of Physics A: Mathematical and General* 31 (2), pp. 807-832 IF =1,545

[K 43] S.L. Kalla, V. Kiryakova, I. Dimovski, L. Boyadjiev: Application of fractional calculus to the solutions of differential equations, *Proc. 19 th Summer School "Appl-s of Math. in Engn., Varna' 1993",* Techn. Univ. Sofia,1994; 115-140.

[K 44] V. Kiryakova, V. Hernandez-Suarez: Bessel-Clifford third order differential operator and corresponding Laplace type integral transform, *Dissertationes Mathematicae,* **340** (1995), 143-161. ([Zbl 0839.44001](#))

[K 45] V. Kiryakova, R.K. Raina, M. Saigo: Representation of generalized fractional integral operators associating *L* and *L*-1 on spaces *Lp, Math. Nachrichten,* **176,** No 1 **(1995),** 149-158. ([Zbl 0842.44002](#)) doi:10.1002/mana.19951760112

2 citations, in 2 books:

- Book: A.A. Kilbas, M. Saigo, H-*Transforms (Theory and Applications),* Taylor & Francis and CRC Press, 2004.
- Book: AM Mathai, RK Saxena, HJ Haubold, The H-Function (Theory and Applications), Springer, 2010, on p. 236

[K 46] N. Hayek, V. Kiryakova, V. Hernandez-Suarez: Laplace type integral transform for the third order Bessel-Clifford differential operator, *C. R. Acad. Bulg. Sci.,* **48,** No 7 (1995), 21-24. ([Zbl 0851.44003](#))

[K 47] V. Kiryakova: Generalized fractional calculus, special functions and integral transforms, In: *Transform Methods & Special Functions', Sofia '94* (Proc. 1st Internat. Workshop). SCTP - Singapore, 1995, 123-149.

[K 48] L. Galue, S. Kalla, V. Kiryakova: Single term approximations of generalized hypergeometric functions, *New Frontiers in Algebras, Groups and Geometries,* Hadronic Press (Florida, USA), 1996, 417-440

2 citations: IF = 0.924

- Development of the Hubbell rectangular source integral [Abstract + Refs] Show Abstract Kalla, S.L., Al-Shammery, A.H., Khajah, H.G. 2002 *Acta Applicandae Mathematicae* 74 (1), pp. 35-55 IF=0.469

- Operators of fractional integration and their applications

[Abstract + Refs] [Full Text] Show Abstract Srivastava, H.M., Saxena, R.K. 2001 *Applied Mathematics and Computation* 118 (1), pp. 1-52 IF =0.455

[K 49] V. Kiryakova, B. Al-Saqabi: Solutions of Erdelyi-Kober fractional integral,

differential and differintegral equations of second kind, *C. R. Acad. Bulg. Sci*. **50,** No 1 (1997), 27-30. ([Zbl 0929.45003](#))

1 citation:

- Book: A.A. Kilbas, H.M. Srivastava, J. Trujillo, *Theory and Applications of Fractional Differential Equations*, North Holland Math. Studies 204, Elsevier, 2006.

-

[**K 50**] B. Al-Saqabi, V. Kiryakova: Erdelyi-Kober fractional differintegral equations of second kind, In: *Recent Advances in Appl. Mathematics'96* (Proc. Intern. Workshop, Kuwait University), 1996, 13-24.

[K 51] V. Kiryakova: Multiple Dzrbashjan-Gelfond-Leontiev fractional differintegrals, In**:** *Recent Advances in Appl. Mathematics'96* (Proc. Intern. Workshop, Kuwait University), 1996, 281-294.

1 citation:

- Book: ЕК Николов, Фрактални алгоритми и режекторни регулатори, 2004 - ТУ

[K 52] **B. Al-Saqabi, V. Kiryakova**: Explicit solutions of fractional integral and differential equations, involving Erdelyi-Kober operators, *Appl. Mathematics & Computation*, **95,** No 1 (1998), 1-13. ([Zbl 0942.45001](#))
[doi:10.1016/S0096-3003(97)10095-9](#)

4 Citations, in: 1 book, 3 articles   **IF=2.022**

- Book: A.A. Kilbas, H.M. Srivastava, J. Trujillo, *Theory and Applications of Fractional Differential Equations*, North Holland Math. Studies 204, Elsevier, 2006.

result1.

- Some new explicit bounds for weakly singular integral inequalities with applications

to fractional differential and integral equations `Abstract + Refs`   `Full Text`
[Show Abstract](#) [Ma, Q.-H.,](#) [Pečarić, J.](#) 2008 *Journal of Mathematical Analysis and Applications* 341 (2), pp. 894-905   IF=0.872 (2007)
result2.

-   Positive solutions for nonlinear fractional differential equations with coefficient that changes sign

`Abstract + Refs`   `Full Text`   [Show Abstract](#) [Bai, C.](#) 2006 *Nonlinear Analysis, Theory, Methods and Applications* 64 (4), pp. 677-685   IF=0.677

- Existence of positive solution for some class of nonlinear fractional differential

equations `Abstract + Refs` `Full Text`   Show Abstract Zhang, S. 2003
Journal of Mathematical Analysis and Applications 278 (1), pp. 136-148 <mark>IF=0.473</mark>

-

[K 53] V. Kiryakova, B. Al-Saqabi: Transmutation methods for solving Erdelyi-Kober fractional differintegal equations, *J. Math. Analysis & Appl-s,* **211**, No 1 (1997), 347-364.

<mark>4</mark> **Citations, in**: 1 book, 3 articles

- Book: A.A. Kilbas, H.M. Srivastava, J. Trujillo, *Theory and Applications of Fractional Differential Equations,* North Holland Math. Studies 204, Elsevier, 2006.

- A fractional calculus operators approach to doubly confluent Heun and generalized

ellipsoidal wave equations   `Abstract + Refs`   Show Abstract Ali, I. 2000 *Kuwait Journal of Science and Engineering* **27** (1), pp. 19-26

- MK Gaira and HS Dhami, New results for h-function and g-function by the application of fractional calculus, *IMA Preprint Series # 1987* (August 2004) Institute for Mathematics and Its Applications, University of Minnesota http://www.ima.umn.edu

- L. Rodriguez-Germa, J. Trujillo, L. Vazquez, M. Pilar Velasco, Fractional calculus framework to avoid singularities of differential equations, *FCAA* **11**, No 4 (2008), pp. 431-441

[K 54] B. Al-Saqabi, B. Kiryakova, Explicit solutions to hyper-Bessel integral equations of second kind, *Computers and Math. with Appls*., **37**, No 1 (1999), 75-86

doi:10.1016/S0898-1221(98)00243-0

<mark>3</mark> **Citations:**   <mark>IF = 1.150</mark>

- Positive solutions for nonlinear fractional differential equations with coefficient that

changes sign `Abstract + Refs`   Show Abstract Bai, C. 2006 *Nonlinear Analysis, Theory, Methods and Applications* 64 (4), pp. 677-685   <mark>IF = 0.677</mark>

- Existence of positive solution for some class of nonlinear fractional differential

equations `Abstract + Refs`   Show Abstract Zhang, S. 2003 *Journal of Mathematical Analysis and Applications* 278 (1), pp. 136-148 <mark>IF = 0.473</mark>
.

- Extended Bell and Stirling numbers from hypergeometric exponentiation

`Abstract + Refs` `View at Publisher`   Show Abstract Sixdeniers, J.-M., Penson, K.A., Solomon, A.I. 2001 *Journal of Integer Sequences* 4 (1)   (n/a)

- Zhou, H.W., Wang, C.P., Han, B.B., Duan, Z.Q., A creep constitutive model for salt rock based on fractional derivatives, **International Journal of Rock Mechanics and Mining Sciences** , Volume 48, Issue 1, January 2011, Pages 116-121, IF=1,390

[K 55] **M. Saigo, V. Kiryakova, S. Owa**: Distortion and characterization theorems for starlike and convex functions related to generalized fractional calculus, *Proc. Symposium on Univalent Functions, Kyoto Univ., March '97*, 1997, 25-46. (Zbl 0932.30008)

4 Citations, in: 1 book, 3 articles

- Book: A. M. Nahushev, *Fractional Calculus and Its Applications*, FizMatLit, Moscow, 2003 (In Russian, Нахушев А.М. «Дробное исчисление и его применение». Москва, ФИЗМАТЛИТ, 2003).

- On certain subclasses of p-valent functions defined in terms of certain fractional derivative …, RK Raina, TS Nahar - Glasnik Matematicki, 2002 - hrcak.srce.hr

- Examples of Starlike Functions and Convex Functions of order α (Applications of Complex Function …- ►kyoto-u.ac.jp [PDF] T Sekine, S Owa, R Yamakawa - 1998 - repository.kulib.kyoto-u.ac.jp

- Examples of Starlike Functions and Convex Functions of order, T SEKINE, R YAMAKAWA, 1998 - kurims.kyoto-u.ac.jp

----

[K 56] V. Kiryakova: A long standing conjecture failed?, *Transform Methods & Special Functions', Varna '96* (Proc. 2nd Internat. Workshop), IMI – Bulg. Acad. Sci, Sofia (1998), 584-593.

2 Citations:

- J.A. Tenreiro Machado, Fractional derivatives: Probability interpretation and frequency response of rational approximations, Communications in Nonlinear Science and Numerical Simulation, Volume 14, Issues 9-10, September-October 2009, Pages 3492-3497, IF ???
- I. Podlubny, arXiv.org > math > arXiv:math/0110241, Geometric and Physical Interpretation of Fractional Integration and Fractional Differentiation

----

[K 57]   I. Dimovski, V. Kiryakova: Obrechkoff's generalization of the Laplace and Meijer transforms: origins and recent developments, *Transform Methods & Special Functions', Varna '96* (Proc. 2nd Internat. Workshop) . IMI – Bulg. Acad. Sci, Sofia

(1998), 557-577.

1 Citation:

- P.A. Gulhane, A.S. Gudadhe, A.A. Gulhane, Distributional LK transform, distributional impulsive signals and system response; In: *Proc.7th WSEAS International Conference on Applied Mathematics* (Cancun, Mexico, Article No. 25), 2005, ISBN:960-8457-20-3 World Scientific and Engineering Academy and Society (WSEAS) Stevens Point, Wisconsin, USA.

[K 58]   V. Kiryakova: All the special functions are fractional differintegrals of elementary functions, *J. Physics A: Math. & General,* **30**, No 14 (1997), 5085-5103. (Zbl 0928.33010)   doi: 10.1088/0305-4470/30/14/019

15 Citations, in: 2 books, 1 Ph.D., 12 articles,   IF=4.690

- Book: F. Mainardi, Fractional Calculus and Waves in Linear Viscoelasticity (An Introduction to Mathematical Models), World Sci. – Singapore and Imperial College Press – UK, 2009.
- Book: AM Mathai, RK Saxena, HJ Haubold, The H-Function (Theory and Applications), Springer, 2010, on p. 236
 - PhD Thesis: E. Bazhlekova, *Fractional Evolution Equations in Banach Spaces*, Univ. of Eindhoven, Holland, 2000 (p.117/2, Thesis VII).

- Unified fractional integral formulae for the Fox-Wright generalized hypergeometric function, by Saxena, R.K.[a] 🔒, Ram, J.[a] 🔒, Chandak, S.[a] 🔒, Kalla, S.L., in: **Kuwait Journal of Science and Engineering** Volume 35, Issue 1, 2008, Pages 1-20 (as [7])

- Some fractional-calculus results for the H̄-function associated with a class of Feynman integrals `Abstract + Rets` `View at Publisher` Show Abstract Srivastava, H.M., Lin, S.-D., Wang, P.-Y. 2006 *Russian Journal of Mathematical Physics* 13 (1), 94-100   IF=0.493

- Constructing coherent states through solutions of Stieltjes and Hausdorff moment

problems `Abstract + Rets` `View at Publisher`   Show Abstract Klauder, J.R., Penson, K.A., Sixdeniers, J.-M. 2001 *Physical Review A. Atomic, Molecular, and Optical Physics* 64 (1), pp. 138171-1381718   IF=2.81

- Hall normalization constants for the Bures volumes of the n-state quantum systems

`Abstract + Refs` `View at Publisher`   Show Abstract Slater, P.B. 1999 *Journal of Physics A: Mathematical and General* 32 (47), pp. 8231-8246 IF = 1.387

- F. Mainardi, Considerations on fractional calculus: Interpretations and applications,
 In: "*Transform Methods and Special Functions, Varna'96*", Sofia 1998, 594-597

- S.P. Spirova, V. Hernandez Suarez, F.Cabrera Suarez, Mittag-Leffler type functions of M. Dzrbashjan, related fractional order integro-differentiations and Laplace-type integral transforms, *Math. Sci. Res. J.*, vol. **6**, No 6 (2002), 263-280.

- MK Gaira and HS Dhami, New results for H-function and G-function by the application of fractional calculus, *IMA Preprint Series # 1987* (August 2004) Institute for Mathematics and its Applications, University of Minnesota http://www.ima.umn.edu

- Srivastava, H.M.[a], Lin, S.-D.[b], Wang, P.-Y., Some fractional-calculus results for the H̄-function associated with a class of Feynman integrals, **Russian Journal of Mathematical Physics** Volume 13, Issue 1, 2006, Pages 94-100

- Z. Tomovski, New integral and series representations of the generalized Mathieu series, *Applicable Analysis and Discrete Mathematics* (Beograd), vol. **2, No 2** (2008), 205-212; doi:10.2298/AADM0802205T http://pefmath.etf.bg.ac.yu/vol2num2/AADM-Vol2-No2-205-212.pdf

- L. Rodriguez-Germa, J. Trujillo, L. Vazquez, M. Pilar Velasco, Fractional calculus framework to avoid singularities of differential equations, *FCAA* **11**, No 4 (2008), 431-441

- M. Krnic, Z. Tomovski, J. Pecaric, Hilbert Inequalities Related to Generalized Hypergeometric Functions mFn, *Math. Balkanica*, Vol. **22**, 2008, Fasc. 3-4, 307-322.

- HJ Haubold, AM Mathai, RK Saxena, Mittag-Leffler functions and their applications, % *ArXiv* 0909.0230v2 (4 Oct. 2009), p. 1-51; publ. in:

J. of Applied Mathematics (Hindawi), Volume 2011, Article ID 298628, 51 pages, doi:10.1155/2011/298628 (http://www.hindawi.com/journals/jam/2011/298628/cta/).

- L.F. James, Lamperti-type laws; ***Annals of Applied Probability*** , Volume **20**, Issue 4,

August 2010, Pages 1303-1340

- Pradeep Malik[a] and A. Swaminathan, Riemann-Liouville fractional calculus of certain finite class of classical orthogonal polynomials, AIP Conf. Proc. - November 11, 2010, Volume 1309, pp. 658-669, doi:10.1063/1.3525190

[K 59]   V. Kiryakova, M. Saigo, H.M. Srivastava: Some criteria for univalence of analytic functions involving generalized fractional calculus, *Fractional Calculus and Appl. Analysis*, **1,** No 1 (1998), 79-104. (Zbl 0942.45001)
6 Citations: IF = 2.449

- Dziok, J, Applications of extreme points to distortion estimates, Applied Mathematics and Computation , Volume 215, Issue 1, 1 September 2009, Pages 71-77 **, IF = 0.961**

- Inclusion theorems of convolution operators associated with normalized hypergeometric functions Swaminathan, A. 2006 *Journal of Computational and Applied Mathematics* 197 (1), pp. 15-28   IF = 0.759

- Sufficiency for hypergeometric transforms to be associated with conic regions (pdf-

file download!) `Abstract + Refs` `Full Text`   Show Abstract Swaminathan, A.
2006 *Mathematical and Computer Modelling* 44 (3-4), pp. 276-286   IF = 0.432

- A. Swaminathan, Hypergeometric functions in the parabolic domain, *Tamsui Oxford Journal of Mathematical Sciences* **20** (1) (2004) 1-16 (Aletheia University), as [13]

-   Geometric properties of convolution operators defined by Gaussian

hypergeometric functions `Abstract + Refs` `View at Publisher`   Show Abstract Choi, J.H., Kim, Y.C., Saigo, M. 2002 *Integral Transforms and Special Functions* 13 (2), 117-130 IF=0.297

- в книга: Н.О. Вирченко, В.Я. Рибак, *Основи дробового интегро-диферецирування*, ТОВ „Задруга", Киев, 2007, 361 с. (на Украински).

-

[K 60] I. Dimovski, V. Kiryakova: The Obrechkoff integral transform: Properties and
   relation to a generalized fractional calculus, *Numerical Functional Analysis
   and Optimization,* **21**, No 1-2 (2000), 121-144. (Zbl 0956.44002)

 4 citations:

- Yu. Luchko, Operational rules for a mixed operator of the Erdelyi-Kober type, *FCAA*,
Vol. **7**, No 3 (2004), pp. 339-364

 - N. Virchenko, On the generalized confluent hypergeometric function and its
 application, *FCAA*, Vol. **9**, No 2 (2006), 101-108.

 - A. Kilbas, R.K. Saxena, J.Trujillo, Kratzel function as a function of hypergeometric
 type, *FCAA*, Vol. **9**, No 2 (2006), 109-132.

 - M. Spiridonova, 260 Years of Laplace's Birth (1749-1827), In: *Mathematics And
  Education In Mathematics, 2009* (Proc. 38th Spring Conference of the Union
  of Bulgarian Mathematicians, Borovetz, April 1-5, 2009), In Bulgarian; 21-27.

[K 61]   V. Kiryakova: Representations and computational procedures for special
functions via generalized fractional calculus, *Proc. "Internat. Conf. on Scientific
Computations'99"*, LAU-Beirut, 1999, 33-42.

[K 62]   V. Kiryakova: Multiindex Mittag-Leffler functions, related Gelfond-Leontiev

operators and Laplace type transforms, *Fractional Calculus and Appl. Analysis*, **2**, No 4 (1999), 445-462. ([Zbl 1111.33300](#))

5 citations: in 2books + …

- Book: AM Mathai, RK Saxena, HJ Haubold, The H-Function (Theory and Applications), Springer, 2010, on p. 236

- Yu. Luchko, Operational rules for a mixed operator of the Erdelyi-Kober type, *FCAA*, Vol. **7**, No 3 (2004), pp. 339-364

- A. Kilbas, R.K. Saxena, J.Trujillo, Kratzel function as a function of hypergeometric type, *FCAA*, Vol. **9**, No 2 (2006), 109-132.

- M. Garg, A. Rao, S.L. Kalla, On Mittag-Leffler type functions and fractional calculus operators, *Math. Balkanica*, vol. **21** (2007), No 3-4, pp. 349-360

- HJ Haubold, AM Mathai, RK Saxena, Mittag-Leffler functions and their applications, % *ArXiv* 0909.0230v2 (4 Oct. 2009), p. 1-51; publ. in:
  . J. of Applied Mathematics (Hindawi), Volume 2011, Article ID 298628, 51 pages, doi:10.1155/2011/298628 (http://www.hindawi.com/journals/jam/2011/298628/cta/)

- в книга: Н. Вирченко, В. Гайдей, *Класичні й узагальнені багато-параметричні функції*, ISBN 978-966-432-044-0, ТОВ «Задруга»,Київ 2008, 227 с. (на українськи).

[K 63]   V. Kiryakova, M. Saigo, S. Owa: Distortion and characterization theorems for starlike and convex functions related to generalized fractional calculus, *Korean J. Math. Sci.,* **5** (1998), 1-28.

[K 64]   V. Kiryakova: Multiple (multiindex) Mittag-Leffler functions and relations to generalized fractional calculus, *J. Comput. Appl. Mathematics*, **118** (2000), 241-259. ([Zbl 0966.33011](#)) [doi:10.1016/S0377-0427(00)00292-2](#)   <mark>IF =0.455</mark>

9 Citations: in 1 book + 7 articles   ,   <mark>IF=2.144</mark>

- Book: AM Mathai, RK Saxena, HJ Haubold, The H-Function (Theory and Applications), Springer, 2010, on p. 236

- Unified fractional integral formulae for the Fox-Wright generalized hypergeometric function, by Saxena, R.K.[a] 🔒, Ram, J.[a] 🔒, Chandak, S.[a] 🔒, Kalla, S.L., in: Kuwait Journal of Science and Engineering Volume 35, Issue 1, 2008, Pages 1-20

- A second-order accurate numerical method for a fractional wave equation

`Abstract + Refs` `View at Publisher`   Show Abstract McLean, W., Mustapha, K., 2007 *Numerische Mathematik* **105** (3), pp. 481-510   IF =1.376

-   Existence of positive solution for some class of nonlinear fractional differential

equations `Abstract + Refs` `Full Text`   Show Abstract Zhang, S. 2003 *Journal of Mathematical Analysis and Applications* **278** (1), pp. 136-148   IF =0.473

-   Theoretical analysis of the velocity field, stress field and vortex sheet of generalized second order fluid with fractional anomalous diffusion `Abstract + Refs` `View at Publisher` Show Abstract Xu, M., Tan, W. 2001 *Science in China, Series A: Mathematics, Physics, Astronomy* 44 (11), pp. 1387-1399 24 ,   IF = 0.295

- Yu. Luchko, Operational rules for a mixed operator of the Erdelyi-Kober type, *FCAA*, Vol**. 7**, No 3 (2004), pp. 339-364
- J. D. Griffiths, G. M. Leonenko, J. E. Williams, Generalization of the modified Bessel function and its generating function, *FCAA*, Vol. **8**, No 3 (2005), 267-276.
 - A. Kilbas, R.K. Saxena, J.Trujillo, Kratzel function as a function of hypergeometric type, *FCAA*, Vol. **9**, No 2 (2006), 109-132.
 -   M. Garg, A. Rao, S.L. Kalla, On Mittag-Leffler Type Functions and Fractional Calculus Operators, *Math. Balkanica*, vol. **21** (2007), N0 3-4, pp. 349-360

-   Dehghan, M.[a] Manafian, J., Saadatmandi, A., The solution of the linear fractional partial differential equations using the homotopy analysis method., **Zeitschrift fur Naturforschung - Section A Journal of Physical Sciences**, Volume 65, Issue 11, 2010, Pages 935-949   IF=0,929

 -   HJ Haubold, AM Mathai, RK Saxena, Mittag-Leffler functions and their applications, % *ArXiv* 0909.0230v2 (4 Oct. 2009), p. 1-51; publ. in:.
    J. of Applied Mathematics (Hindawi), Volume 2011, Article ID 298628, 51 pages,
   doi:10.1155/2011/298628 (http://www.hindawi.com/journals/jam/2011/298628/cta/)

 -   Darus, M. , Ibrahim, R.W., On integral operator involving generalized hypergeometric function, **Advanced Studies in Theoretical Physics**
   Volume 4, Issue 17-20, 2010, Pages 805-816

[K 65]   **Yu. Luchko, V. Kiryakova**: Generalized Hankel transforms for hyper-Bessel differential operators, *C.R.. Acad. Bulg. Sci*., **53**, No 8 (2000), 17-20.

1 citation:

- Z. Tomovski, On Hankel transform of generalized Mathieu series, *FCAA*, vol. **12**, No 1 (2009), 97-107.

-

[K 66]   Yu. Luchko, V. Kiryakova: Hankel type integral transforms connected with the hyper-Bessel differential operators, *Banach Center Publ.*, **53:** *Algebraic Analysis and Related Topics* **(**2000), 155-165.

[K 67] F. Al-Musallam, V. Kiryakova, Vu Kim Tuan: A multi-index Borel-Dzrbashjan transform, *Rocky Mountain J. Math*. **32**, No 2 (2002), 409-428. (Zbl 1035.44002 , MR1934897 (2003i:44002))   doi:10.1216/rmjm/1030539678

1 Citation:

 - A. Kilbas, R.K. Saxena, J.Trujillo, Kratzel function as a function of hypergeometric type, *FCAA*, Vol. **9**, No 2 (2006), 109-132.

[K 68] I. Ali, V. Kiryakova, S. Kalla: Solutions of fractional multi-order integral and differential equations using a Poisson-type transform, *J. Math. Anal. and Appl.* **269,** No 1 (2002), 172-199. (Zbl 1026.45009 , MR 2003f:45008)
doi:10.1016/S0022-247X(02)00012-4

 5 citations, in 1book, 4 articles   ,   IF =0.872
 - Book: A.A. Kilbas, H.M. Srivastava, J. Trujillo, *Theory and Applications of Fractional Differential Equations*, North Holland Math. Studies 204, Elsevier, 2006.

- On the existence and uniqueness of solutions of a class of fractional differential

equations `Abstract + Rets`   `Full Text`   Show Abstract Ibrahim, R.W., Momani, S. 2007 *Journal of Mathematical Analysis and Applications* **334** (1), pp. 1-10 IF =0.872

- Rabha W. Ibrahim, Existence of Solutions for Fractional Multi-Order Integral Inclusions, *International Mathematical Forum*, **4,** 2009, no. 2, 73-78

 - R.W. Ibrahim, S. Momani, Multiple Solutions for Multi-Order Fractional Differential Equations**,** *Arab Journal of Math. and Mathematical Sciences,*Vol. **1**, No 1 (2007), 19–26 (Research India Publications, http://www.ripublication.com/ajmms.htm)

 - L. Rodriguez-Germa, J. Trujillo, L. Vazquez, M. Pilar Velasco, Fractional calculus framework to avoid singularities of differential equations, *FCAA* **11**, No 4 (2008), pp. 431-441

[K 69] **R. K. Saxena, S. L. Kalla, V. Kiryakova**, Relations connecting multiindex Mittag-Leffler functions and Riemann-Liouville fractional calculus, *Algebras, Groups and Geometries* (Hadronic Press, USA), vol. **20**, No 4 (Dec. 2003), 363-386; online contents at: http://www.hadronicpress.com/algebra_table.htm → vol. 20 (2003).   (Zbl 0966.33011)

[K 70] V. Kiryakova: Meijer's *G*-function: Bulgarian traces for its use in special functions, integral transforms and fractional calculus. Invited talk at 31st Spring Conf. of UBM, in: "*Mathematics and Educ. in Math*'2002", 25-34.

[K 71] V. Kiryakova: Multi-index Mittag-Leffler functions and open problem for their use in control theory, *Proc. Internat. Carpathian Control Conference, Slovakia'2003*, 865-868.

[K 72] V. Kiryakova, M. Saigo, Sh. Owa: *H*-function generalized fractional integration operators in subclasses of univalent functions: Some distortion and characterization Theorems, In: *"Study of Differential Operators and Integral Operators in Univalent Functions Theory " (Proc. Kyoto University - RIMS' 2003*), 12-30.

[K 73] **V. Kiryakova, M. Saigo, Sh. Owa:** Distortion and characterization theorems for generalized fractional integration operators involving *H*-function in subclasses of univalent functions, *Fukuoka University Science Reports*, Vol. **34**, No 1 (March 2004), 1-16.
- 1 citation:

- Dziok, J, Applications of extreme points to distortion estimates, Applied Mathematics and Computation , Volume 215, Issue 1, 1 September 2009, Pages 71-77 **, IF = 0.961**

[K 74] **S. Owa, M. Saigo**, V. Kiryakova: Inequalities for Saigo's fractional calculus operator, In: *Proc. Kyoto University – RIMS'2003: "Study of Differential Operators and Integral Operators in Univalent Functions Theory*", Kyoto, 2003, 85-93.

[K 75] **V. Kiryakova** : The multi-index Mittag-Leffler functions as generators of fractional calculus operators and Laplace transforms, In: *Internat. Conference on Mathematics and Its Applications (ICMA 2004),* Kuwait Univ.- Extended Abstracts, 169–175.

[K 76] **S. Owa, M. Saigo**, V. Kiryakova: Some inequalities for a hypergeometric fractional calculus operator in classes of univalent functions, *"Proc. Internat. Conf. on Research Trends in Science and Technology (RTST 2005)"* (Lebanese American University, March 2005), Beirut 2005 (Electr. publ. on CD), paper112.pdf (9 p.)

[K 77]   V. Kiryakova, M. Saigo: Criteria for generalized fractional integrals to preserve univalency of analytic functions, *C.R. Acad. Bulg. Sci.*, **58**, No 10 (2005), 1127-1134.

- cited 1 time in:
- Dziok, J, Applications of extreme points to distortion estimates, Applied Mathematics and Computation , Volume 215, Issue 1, 1 September 2009, Pages 71-77 , **IF = 0.961**

[K 78]   M. Saigo, S. Owa, V. Kiryakova: Characterization theorems for starlike and convex functions in terms of generalized fractional calculus, *C.R. Acad. Bulg. Sci.*, **58**, No 10 (2005), 1135-1142.

1 citation: IF=0.216
- Z Ningguo, Z Xiaoming, C Yuming, Convexity and Geometrical Convexity of the Identic and Logarithmic Means in N Variables, *Acta Mathematica Scientia* **28A,** No 6 (2008): 1173-1180 ISSN: 1003-3998 CN: 42-1226/O, actams.wipm.ac.cn IF=0.216

[K 79]   V. Kiryakova: Multi-index Mittag-Leffler functions, generalized fractional calculus and Laplace type transform, *Proc. 2nd IFAC Workshop "Fractional Differentiation and its Applications (FDA'06)"*, Porto, 2006, Portugal; 181-186.

[K 80]   V. Kiryakova: Obrechkoff integral transform and hyper-Bessel operators via *G-*function and fractional calculus approach, *Global J. Pure and Appl. Mathematics*, **1**, No 3 (2005), 321-341. (Zbl 1125.44003)

[K 81]   V. Kiryakova: On two Saigo's fractional integral operators in the class of univalent functions, *Fractional Calculus and Applied Analysis,* **9**, No 2 (2006), 159-176. (Zbl 1138.30007)

6 citations: in 1 book + 4articles

- Book: AM Mathai, RK Saxena, HJ Haubold, The H-Function (Theory and Applications), Springer, 2010, on p. 236

- Some results associated with fractional calculus operators involving Appell   hypergeometric function, by Raina, R.K, in: Journal of Inequalities in Pure and Applied Mathematics Volume 10, Issue 1, 2009, Article number 14 (Scopus included) (as [4])

 - Unified fractional integral formulae for the Fox-Wright generalized hypergeometric function, by Saxena, R.K.[a] , Ram, J.[a] , Chandak, S.[a] , Kalla, S.L., in: Kuwait Journal of Science and Engineering Volume 35, Issue 1, 2008, Pages 1-20

 - H. Haubold, D. Kumar, S.S. Nair, D.P. Joseph, Special functions and pathways for problems in astrophysics: An essay in honor of A.M. Mathai, *Fract. Calc. Appl. Anal.* , Vol. **13**, No 2 (2010).

 - HJ Haubold, AM Mathai, RK Saxena, Mittag-Leffler functions and their applications,

% *ArXiv* 0909.0230v2 (4 Oct. 2009), p. 1-51; publ. in:
J. of Applied Mathematics (Hindawi), Volume 2011, Article ID 298628, 51 pages,
doi:10.1155/2011/298628 (http://www.hindawi.com/journals/jam/2011/298628/cta/).

- RK Raina, Some Results Associated With Fractional Calculus Operators Involving Appell Hypergeometric Function, *J. Inequal. Pure Appl. Math*. , vol. **10,** No 1, art. 14 (2009), 16 p.

[K 82]   S. Owa, M. Saigo, V. Kiryakova: Inequalities for Saigo's fractional calculus operator, *J. Approximation Theory and Applications*, **3**, No 1-2 (2007), 53-62.

[K 83]   V. Kiryakova: The Fractional calculus' functions: Mittag-Leffler functions, some applications in control theory, generalizations and open problems; In: Proc. *"IX Triennal Internat. SAUM Conf. on Systems, Automatic Control and Measurements, Nis – Serbia, Nov. 2007*", 88-93.

[K 84]   V. Kiryakova: Some special functions related to fractional calculus and fractional (non-integer) order control systems and equations, *"Facta Universitatis" (Sci. J. of University of Niš), Series: Automatic Control and Robotics*, **7**, No 1 (2008), 79-98 (UDC 517.93), http://facta.junis.ni.ac.rs/acar/acar200801/acar2008-07.pdf

2 citations, in book:
 - Book: F. Mainardi, *Fractional Calculus and Waves in Linear Viscoelasticity (An Introduction to Mathematical Models),* World Sci. – Singapore and Imperial College Press – UK, 2009.

-    HJ Haubold, AM Mathai, RK Saxena, Mittag-Leffler functions and their applications, % *ArXiv* 0909.0230v2 (4 Oct. 2009), p. 1-51; publ. in:
     J. of Applied Mathematics (Hindawi), Volume 2011, Article ID 298628, 51 pages,
     doi:10.1155/2011/298628 (http://www.hindawi.com/journals/jam/2011/298628/cta/).

[K 85]   V. Kiryakova: A brief story about the operators of the generalized fractional calculus, *Fractional Calculus and Appl. Analysis*, **11**, No 2 (2008), 203-220. (Zbl 1153.26003)

   - Gastão S.F. Frederico, Delfim F.M. Torres, Fractional Noether's theorem in the Riesz–Caputo sense, **Applied Mathematics and Computation**, **Article in Press,** Corrected Proof (2010),   IF= 1.124 (2009)

[K 86]   V. Kiryakova: Transmutation method for solving hyper-Bessel differential equations based on the Poisson-Dimovski transformation, *Fractional Calculus and Appl. Analysis*, **11**, No 3 (2008), 299-316.

1 citation:

- L. Rodriguez-Germa, J. Trujillo, L. Vazquez, M. Pilar Velasco, Fractional calculus framework to avoid singularities of differential equations, *FCAA* **11**, No 4 (2008), pp. 431-441

[K 87] V. Kiryakova: Special functions of fractional calculus: Recent list, results, applications, In: Proc. IFAC Workshop "Fractional Differentiation and its Applications'2008" (Ankara, Nov. 2008). Electr. Publ. (CD, /Inv_Lecture_V_Kiryakova.pdf), 1-6.

- HJ Haubold, AM Mathai, RK Saxena, Mittag-Leffler functions and their applications, % *ArXiv* 0909.0230v2 (4 Oct. 2009), p. 1-51; publ. in:.
 J. of Applied Mathematics (Hindawi), Volume 2011, Article ID 298628, 51 pages,
          doi:10.1155/2011/298628 (http://www.hindawi.com/journals/jam/2011/298628/cta/ *)*

[K 88] V. Kiryakova: The multi-index Mittag-Leffler functions as important class of special functions of fractional calculus, *Computers and Mathematics with Applications*, **59**, No 5 (2010), 1885-1895
   doi:10.1016/j.camwa.2009.08.025 ,   IF=1.192

in Google Scholar: 11 citations found, 30.03.2011

- 1 citation, in a book:

 - Book: F. Mainardi, *Fractional Calculus and Waves in Linear Viscoelasticity (An Introduction to Mathematical Models),* World Sci. – Singapore and Imperial College Press – UK, 2009.
- 5 cit. in papers:

- F. Mainardi, A. Mura, G. Pagnini**,** The M-Wright function in time-fractional diffusion processes:a tutorial survey, *International Journal of Differential Equations* (OA), vol. 2010 (2010), Article ID 104505, 29 pages, doi:10.1155/2010/104505 (see http://www.hindawi.com/a104505.html)

  - Juan J. Nieto, "Maximum principles for fractional differential equations via Mittag-Leffler functions", Appl. Math. Letters, 23 (2010), to appear, IF=0.948

 - J. Paneva-Konovska, Convergence of series in Mittag-Leffler functions, C. R. Acad. Bulg. Sci., 63, No 6 (2010), 815-822,   IF = 0,202

 - K. Diethelm, The analysis of fractional differential equations: An application-oriented exposition using differential operators of Caputo type; *Lecture Notes in Math*. **2004** (2010), 1-262

 - C. Atkinson, A. Osseiran, Discrete-space time-fractional processes,
    Fract. Calc. Appl. Anal. Vol. 14, No 2 (2011), pp. 201-232 (Versita & Springer),

DOI: 10.2478/s13540-011-0013-9

[K 89]   V. Kiryakova: The special functions of fractional calculus as generalized fractional calculus operators of some basic functions, *Computers and Mathematics with Applications*, **59,** No 3 (2010), 1128-1141, doi:10.1016/j.camwa.2009.05.014 , <mark>IF=1.192</mark>

in Google Scholar: 9 citations found 30.03.2011

- 4 cit. in paper:

- F. Mainardi, A. Mura, G. Pagnini**, The M-Wright function in time-fractional diffusion processes:a tutorial survey**, *International Journal of Differential Equations* (OA), vol. 2010 (2010), Article ID 104505, 29 pages, doi:10.1155/2010/104505 (see http://www.hindawi.com/a104505.html)

- HJ Haubold, AM Mathai, RK Saxena, Mittag-Leffler functions and their applications, p. 1-51; publ. in: J. of Applied Mathematics (Hindawi), Volume 2011, Article ID 298628, 51 pages, doi:10.1155/2011/298628 (http://www.hindawi.com/journals/jam/2011/298628/cta/).

 - J. Paneva-Konovska, Convergence of series in Mittag-Leffler functions, C. R. Acad. Bulg. Sci., 63, No 6 (2010), 815-822, <mark>IF = 0,202</mark>

 - K. Diethelm, <mark>BOOK</mark>: The analysis of fractional differential equations: An application-oriented exposition using differential operators of Caputo type; *Lecture Notes in Math*. **#2004,** 2010.

[K 90] V. Kiryakova: Special functions of fractional calculus – Survey, list and new results, *Proc. First Intern. Conference on Mathematics and Statistics, Sharjah, U.A.E., March 18-21, 2010,* Plenary paper #100265-I.

[K 91] V. Kiryakova: Criteria for univalence, convexity and starlikeness, and distortion theorems for generalized fractional integrals involving Fox's *H*-functions, *Proc. First Intern. Conference on Mathematics and Statistics, Sharjah, U.A.E., March 18-21, 2010,* Paper #100265-II.

[K92] J. Tenreiro Machado, V. Kiryakova, F. Mainardi, "Recent History of Fractional Calculus", *Communications in Nonlinear Science and Numerical Simulations* (CNSNS, Elsevier), **16,** No 3 (2011), 1140-1153; Online: http://www.sciencedirect.com/science/article/pii/S1007570410003205
<mark>IF =</mark> 2.697 (2010)
(doi:10.1016/j.cnsns.2010.05.027 , http://dx.doi.org/10.1016/j.cnsns.2010.05.027)

- C. Atkinson, A. Osseiran, Discrete-space time-fractional processes,
Fract. Calc. Appl. Anal. Vol. 14, No 2 (2011), pp. 201-232 (Versita & Springer),
DOI: 10.2478/s13540-011-0013-9

- C.P. Li, F. Mainardi, Editorial, in: *European Phys. J. Special Topics* **193**, 1–4
(2011), DOI: 10.1140/epjst/e2011-01377-3, IF (2009)=0.840

- C.P. Li and F.R. Zhang, A survey on the stability of fractional differential equations,
Eur. Phys. J. Special Topics **193**, 27–47 (2011), DOI: 10.1140/epjst/e2011-01379-1, IF (2009)=0.840

- Esmaeili, S. , Shamsi, M., A pseudo-spectral scheme for the approximate solution
of a family of fractional differential equations, Communications in Nonlinear Science
and Numerical Simulation Volume 16, Issue 9, September 2011, Pages 3646-3654 **,**
IF = 2,697 (2010)

- Tenreiro Machado, J.A.[a], Costa, A.C.[b] , Quelhas, M.D., Fractional dynamics in
DNA, Communications in Nonlinear Science and Numerical Simulation
Volume 16, Issue 8, August 2011, Pages 2963-2969 **,** **IF = 2,697**

- Golbabai, A.   , Sayevand, K, Analytical modelling of fractional advection-
dispersion equation defined in a bounded space domain, Mathematical and
Computer Modelling Volume 53, Issue 9-10, May 2011, Pages 1708-1718 **,**
IF=1.066

- Rabei, E.M.[a]   , Rawashdeh, I.M.[a]   , Muslih, S.[b]   , Baleanu, D.,
Hamilton-Jacobi Formulation for Systems in Terms of Riesz's Fractional
Derivatives, **International Journal of Theoretical Physics**
Volume 50, Issue 5, May 2011, Pages 1569-1576 **,** **IF = 0.67 (2010)**

- Zhao, Y.[a] , Sun, S.[a b], Han, Z.[a c], Li, Q.[a, ,] The existence of multiple positive
solutions for boundary value problems of nonlinear fractional differential equations,
Communications in Nonlinear Science and Numerical Simulation
Volume 16, Issue 4, April 2011, Pages 2086-2097 **,** **IF = 2,697**

- Abbas, S., Existence of solutions to fractional order ordinary and delay differential
equations and applications, Electronic Journal of Differential Equations , Volume
2011, 2011

- Hashemiparast, S.M., Fallahgoul, H.   Approximation of fractional derivatives via
Gauss integration, *Annali dell'Universita di Ferrara* 57 (1), . 2011, pp. 67-87

[K93] V. Kiryakova, The operators of generalized fractional calculus and their action in

classes of univalent functions, In: *"Geometric Function Theory and Applications' 2010"* (Proc. of International Symposium, Sofia, 27-31.08.2010), 29-40.

[K94] V. Kiryakova, Yu. Luchko, The multi-index Mittag-Leffler functions and their applications for solving fractional order problems in applied analysis, In: *American Institute of Physics – Conf. Proc.* **1301** *(AMiTaNS'10)*, 597-613.

[K95] J. Tenreiro Machado, V. Kiryakova, F. Mainardi, A note and poster on the recent history of fractional calculus, *Fract. Calc. Appl. Anal.* **13**, No 3 (2010), 329-334.

Cited in papers:

- C. Atkinson, A. Osseiran, Discrete-space time-fractional processes,
   Fract. Calc. Appl. Anal. Vol. 14, No 2 (2011), pp. 201-232 (Versita & Springer),
      DOI: 10.2478/s13540-011-0013-9

[K96] P. Rajkovic, V. Kiryakova, Legendre-type special functions defined by fractional Legendre-type special functions defined by fractional order Rodrigues formula, In: *American Institute of Physics – Conf. Proc.* **1301** *(AMiTaNS'10)*, 644-649.

[K97] J. Tenreiro Machado, V. Kiryakova, F. Mainardi, A poster about the old history of fractional calculus, *Fract. Calc. Appl. Anal.* **13**, No 4 (2010), 447-454.

==Cited in papers:==

- C. Atkinson, A. Osseiran, Discrete-space time-fractional processes,
   Fract. Calc. Appl. Anal. Vol. 14, No 2 (2011), pp. 201-232 (Versita & Springer),
      DOI: 10.2478/s13540-011-0013-9

-    C.P. Li, F. Mainardi, Editorial, in: *European Phys. J.- Special Topics* **193**, 1–4 (2011),   DOI: 10.1140/epjst/e2011-01377-3, ==IF (2009)=0.840==

 - Shahrokh Esmaeili[a,] **and** M. Shamsi**,** A pseudo-spectral scheme for the approximate solution of a family of fractional differential equations, In: **Communications in Nonlinear Science and Numerical Simulation** Volume 16, Issue 9, September 2011, Pages 3646-3654,   ==IF = 2,697==

- **A. Golbabai** and **K. Sayevand,** Analytical modelling of fractional advection–dispersion equation defined in a bounded space domain, **Mathematical and Computer Modelling** Volume 53, Issues 9-10, May 2011, Pages 1708-1718 ,   IF = ==1.066==

-    S. M. Hashemiparast and H. Fallahgoul, Approximation of fractional derivatives via Gauss integration, Annali dell'Universita di Ferrara, Volume 57, Number 1 (2011) , 67-87, DOI: 10.1007/s11565-011-0120-x

- In: SPRINGER, Series Physics and Astronomy , International Journal of Theoretical Physics Volume 50, Number 5, 1569-1576, DOI: 10.1007/s10773-011-0668-3

- Zhao, Y., Sun, S., Han, Z., Li, Q., The existence of multiple positive solutions for boundary value problems of nonlinear fractional differential equations, **Communications in Nonlinear Science and Numerical Simulation** , Volume 16, Issue 4, April 2011, Pages 2086-2097 , **IF= 2,697**

- Abbas, S, Existence of solutions to fractional order ordinary and delay differential equations and applications, **Electronic Journal of Differential Equations**, Volume 2011, 2011

- Li, C.P., Zhang, F.R, A survey on the stability of fractional differential equations, **European Physical Journal: Special Topics** , Volume 193, Issue 1, March 2011, Pages 27-47

- Chen, Y. , Luo, Y., Discussion on: "Simple fractional order model structures and their applications in control system design", **European Journal of Control**, Volume 16, Issue 6, 2010, Pages 695-696

[K98] В. Кирякова, *Обобщено дробно смятане и приложения в анализа,* Автореферат на дисертация за присъждане на н. ст. „доктор на мат. науки", София – ИМИ, 64 стр. (V. Kiryakova, *Generalized Fractional Calculus and Applications in Analysis*, Summary of Dr.Sc. Thesis, Sofia, IMI-BAS, 64 pp.)

[K99] V. Kiryakova, Criteria for univalence of the Dziok-Srivastava and Srivastava-Wright operators in the class *A, Applied Mathematics and Computation,* Publshed online Feb. 2011 (# AMC-D-10- 04075), doi: 0.1016/j.amc.2011.01.076 IF = 1,124;

[K100] V. Kiryakova, Generalized fractional calculus, special functions and integral transforms: What is the relation?, In: *"Mathematics and Education in Mathematics' 2011"* (Proc. of 40th Spring Conference of Union of Bulgarian Mathematicians, Borovets, April 5-9, 2011), (Invited Talk).

[K101] V. Kiryakova, ASME'2011 – FDTA, Washington.

CITED IN BOOKS AND DISSERTATIONS:

Цитирания в: 12 книги + (монографии), 4 дисертации, 2 учебни пособия

- Book: С.Г. Самко, А.А. Килбас, О.И. Маричев, *Интегралы и производные дробного порядка и некоторые их приложения*, Наука и Техника, Минск, 1987 – [5],[7],[10]

- Book: М.К. Фаге, Н. И. Нагнибида, Проблема эквивалентности обыкновенных линейных дифференциальных опеарторов, Изд. Наука, Новосибирск, 1987 - [5]

- Ph.D. Thesis: V.S. Adamchik, *Singular Cases of Functions and Differential Equations of Hypergeometric Type and some of Their Applications* (In Russian), Belorussian State Univ., Minsk, 1986, 226 p. – [4],[8],[9],[10]

- Book: Nguyen Thanh Hai, S.B. Yakubovich, *The Double Mellin-Barnes Type Integrals and Their Applications to Convolution Theory*, World Sci., Singapore, 1992. – [5],[6],[10],[22]

- Book: H.M. Srivastava, R.G. Buschman, *Theory and Applications of Convolution Integral Equations,* Kluwer Acad. Publ., Dordrecht-Boston-London, 1992, 240 p. – [8],[10]

- Book: S.G. Samko, A.A. Kilbas, O.I. Marichev, *Fractional Integrals and Derivatives (Theory and Applications)*, Gordon and Breach Sci. Publ., 1993 – [5], [7], [10], [12], [23], [28],[30]

- Ph.D. Thesis: Yu.F. Luchko, *Some Operational Correlations for the H-Transform and Their Applications* (In Russian), Belorussian State Univ., Minsk, 1993, 122 p. – [5],[6],[10],[21],[22],[29]

- Book: S.B. Yakubovich, Yu. F. Luchko, Hypergeoemtric Approach to Integral Transforms and Convolutions, Kluwer Acad. Publ., Dordrecht, 1994 – [5],[6],[10],[21],[22],[29],[34]

- Book: I. Podlubny, *Fractional Differential Equations*, Acad. Press, San Diego etc., 1999. - ???

- Book: R. Hilfer (Ed.), *Applications of Fractional Calculus in Physics*, World Sci., Singapore etc., 2000. - ???

- PhD Thesis: E. Bazhlekova, *Fractional Evolution Equations in Banach Spaces*, Univ. of Eindhoven, Holland, 2000 (p.117/2, Thesis VII). - [57]

- Book: A. M. Nahushev, *Fractional Calculus and Its Applications*, FizMatLit, Moscow, 2003 (In Russian, Нахушев А.М. «Дробное исчисление и его применение». Москва, ФИЗМАТЛИТ, 2003).

- Book: A.A. Kilbas, M. Saigo, *H-Transforms. Theory and Applications*, Chapman & Hall, Boca Raton FL, 2004. - ???

- Учебно пособие: ЕК Николов, *Фрактални алгоритми и режекторни регулатори (учебно пособие)*, Технически унив., София, 2004

- Учебно пособие: ЕК Николов, *Специални математически функции и фрактални оператори (учебно пособие)*, Технически унив., София, 2004.

- M.Sc. Thesis: Stefan Mirevski, The Riemann–Liouville Fractional Calculus, Fractional Jacobi Functions, Universit¨at Karlsruhe (TH), Dept. of Math., 2005. – [VK Book]

- Book: A. Kilbas, H.M. Srivastava, J.J. Trujillo, *Theory and Applications of Fractional Differential Equations*, Elsevier, Amsterdam etc., 2006. - ???

- Book: F. Mainardi, *Fractional Calculus and Waves in Linear Viscoelasticity (An Introduction to Mathematical Models),* World Sci. – Singapore and Imperial College Press – UK, 2009. – [57], [85], [89], [VK Book]

- Book: K.Diethelm, Springer, 2010

result1 Theory of fractional order in generalized thermoelectric MHD Ezzat, M.A. 2011 *Applied Mathematical Modelling* 35 (10), pp. 4965-4978 0

View at publisher | | Show abstract | Related documents

result2 A pseudo-spectral scheme for the approximate solution of a family of fractional differential equations Esmaeili, S., Shamsi, M. 2011 *Communications in Nonlinear Science and Numerical Simulation* 16 (9), pp. 3646-3654 0

View at publisher | | Show abstract | Related documents

result3 Fractional dynamics in DNA Tenreiro Machado, J.A., Costa, A.C., Quelhas, M.D. 2011 *Communications in Nonlinear Science and Numerical Simulation* 16 (8), pp. 2963-2969 0

View at publisher | | Show abstract | Related documents

result4 Existence and uniqueness of holomorphic solutions for fractional Cauchy problem Ibrahim, R.W. 2011 *Journal of Mathematical Analysis and Applications* 380 (1), pp. 232-240 0

View at publisher | | Show abstract | Related documents

result5 Theory of fractional order in electro-thermoelasticity Ezzat, M.A., El Karamany, A.S. 2011 *European Journal of Mechanics, A/Solids* 30 (4), pp. 491-500 0

View at publisher | | Show abstract | Related documents

result6 Analytical modelling of fractional advection-dispersion equation defined in a bounded space domain Golbabai, A., Sayevand, K. 2011 *Mathematical and Computer Modelling* 53 (9-10), pp. 1708-1718 0

View at publisher | | Show abstract | Related documents

result7 Approximation of fractional derivatives via Gauss integration Hashemiparast, S.M., Fallahgoul, H. 2011 *Annali dell'Universita di Ferrara* 57 (1), pp. 67-87 0

View at publisher | Show abstract | Related documents

result8 Hamilton-Jacobi Formulation for Systems in Terms of Riesz's Fractional

Derivatives Rabei, E.M., Rawashdeh, I.M., Muslih, S., Baleanu, D. 2011 *International Journal of Theoretical Physics* 50 (5), pp. 1569-1576 0

View at publisher | Show abstract | Related documents

result9 Seismicity in italy: The problem of insurance of the real estate property Caputo, M. 2011 *Economia Politica* 28 (1), pp. 51-71 0

Show abstract | Related documents

result10 Thermoelectric MHD with modified Fourier's law Ezzat, M.A. 2011 *International Journal of Thermal Sciences* 50 (4), pp. 449-455 0

View at publisher | | Show abstract | Related documents

result11 The existence of multiple positive solutions for boundary value problems of nonlinear fractional differential equations Zhao, Y., Sun, S., Han, Z., Li, Q. 2011 *Communications in Nonlinear Science and Numerical Simulation* 16 (4), pp. 2086-2097 2

View at publisher | | Show abstract | Related documents

result12 Rational solutions for the time-fractional diffusion equation Atkinson, C., Osseiran, A. 2011 *SIAM Journal on Applied Mathematics* 71 (1), pp. 92-106 0

View at publisher | Show abstract | Related documents

result13 Existence of solutions to fractional order ordinary and delay differential equations and applications Abbas, S. 2011 *Electronic Journal of Differential Equations* 2011 0

View at publisher | Show abstract | Related documents

result14 Editorial Li, C.P., Mainardi, F. 2011 *European Physical Journal: Special Topics* 193 (1), pp. 1-4 0
View at publisher | | Related documents

result15 The evolution equation for the radius of a premixed flame ball in fractional diffusive media Pagnini, G. 2011 *European Physical Journal: Special Topics* 193 (1), pp. 105-117 1

View at publisher | Show abstract | Related documents

result16 A survey on the stability of fractional differential equations Li, C.P., Zhang, F.R. 2011 *European Physical Journal: Special Topics* 193 (1), pp. 27-47 1

result17 Analysis of projectile motion in view of fractional calculus Ebaid, A. 2011 *Applied Mathematical Modelling* 35 (3), pp. 1231-1239 0

result18 Pathway fractional integral operator and matrix-variate functions Nair, S.S. 2011 *Integral Transforms and Special Functions* 22 (3), pp. 233-244 0

result19 Simple formula for computing the Hubbell radiation rectangular source integral Murley, J., Saad, N. 2011 *Radiation Physics and Chemistry* 80 (1), pp. 11-13 0

result20 Calculation of generalized Hubbell rectangular source integral Murley, J., Saad, N. 2011 *Applied Radiation and Isotopes* 69 (1), pp. 90-93 0

result21 A creep constitutive model for salt rock based on fractional derivatives Zhou, H.W., Wang, C.P., Han, B.B., Duan, Z.Q. 2011 *International Journal of Rock Mechanics and Mining Sciences* 48 (1), pp. 116-121 0

result22 Solutions of fractional diffusion problems Ibrahim, R.W. 2010 *Electronic Journal of Differential Equations* 2010, pp. 1-11 0

result23 The solution of the linear fractional partial differential equations using the homotopy analysis method Dehghan, M., Manafian, J., Saadatmandi, A. 2010 *Zeitschrift fur Naturforschung - Section A Journal of Physical Sciences* 65 (11), pp. 935-949 2

result24 A theorem connecting the H-transform and fractional integral operators involving the multivariable H-function Gupta, K., Agrawal, V. 2010 *Tamsui Oxford Journal of Mathematical Sciences* 26 (4), pp. 383-395 0

result25 The multi-index Mittag-Leffler functions and their applications for solving fractional order problems in applied analysis Kiryakova, V.S., Luchko, Yu.F. 2010 *AIP Conference Proceedings* 1301, pp. 597-613 0

result26 Riemann-Liouville fractional calculus of certain finite class of classical orthogonal polynomials Malik, P., Swaminathan, A. 2010 *AIP Conference Proceedings* 1309, pp. 658-669 0

result27 Convergence of series in Mittag-Leffler type functions Paneva-Konovska, J. 2010 *AIP Conference Proceedings* 1301, pp. 636-643 0

result28 On integral operator involving generalized hypergeometric function Darus, M., Ibrahim, R.W. 2010 *Advanced Studies in Theoretical Physics* 4 (17-20), pp. 805-816 0

result29 Legendre-type special functions defined by fractional order Rodrigues formula Rajković, P.M., Kiryakova, V.S. 2010 *AIP Conference Proceedings* 1301, pp. 644-649 0

result30 Inequalities and asymptotic formulae related to generalizations of the bessel functions Paneva-Konovska, J. 2010 *AIP Conference Proceedings* 1293, pp. 157-164 0

result31 Some miscellaneous properties and applications of certain operators of fractional calculus Lin, S., Srivastava, H.M. 2010 *Taiwanese Journal of Mathematics* 14 (6), pp. 2469-2495 0

result32 The wright function and its numerical evaluation Luchko, Y.F., Trujillo, J.J., Velasco, M.P. 2010 *International Journal of Pure and Applied Mathematics* 64 (4), pp. 567-575 0

Show abstract | Related documents

result33 Discussion on: "Simple fractional order model structures and their applications in control system design" Chen, Y., Luo, Y. 2010 *European Journal of Control* 16 (6), pp. 695-696 0

| Related documents

result34 Application of sumudu transform in the time-fractional Navier-Stokes equation with MHD flow in porous media Chaurasia, V.B.L., Kumar, D. 2010 *Journal of Applied Sciences Research* 6 (11), pp. 1814-1821 0

Show abstract | Related documents

result35 Common aspects of q-deformed Lie algebras and fractional calculus Herrmann, R. 2010 *Physica A: Statistical Mechanics and its Applications* 389 (21), pp. 4613-4622 0

View at publisher | | Show abstract | Related documents

result36 Maximum principles for fractional differential equations derived from Mittag-Leffler functions Nieto, J.J. 2010 *Applied Mathematics Letters* 23 (10), pp. 1248-1251 7

View at publisher | | Show abstract | Related documents

result37 Weighted pseudo-almost periodic solutions of a class of semilinear fractional differential equations Agarwal, R.P., De Andrade, B., Cuevas, C. 2010 *Nonlinear Analysis: Real World Applications* 11 (5), pp. 3532-3554 7

View at publisher | | Show abstract | Related documents

result38 Fractional Noether's theorem in the Riesz-Caputo sense Frederico, G.S.F., Torres, D.F.M. 2010 *Applied Mathematics and Computation* 217 (3), pp. 1023-1033 7

View at publisher | | Show abstract | Related documents

result39 Thermoelectric MHD non-Newtonian fluid with fractional derivative heat transfer Ezzat, M.A. 2010 *Physica B: Condensed Matter* 405 (19), pp. 4188-4194 4

View at publisher | | Show abstract | Related documents

result40 Generation of coherent states of photon-added type via pathway of eigenfunctions Górska, K., Penson, K.A., Duchamp, G.H.E. 2010 *Journal of Physics A: Mathematical and Theoretical* 43 (37), art. no. 375303 0

View at publisher | Show abstract | Related documents

result41 [The analysis of fractional differential equations: An application-oriented exposition using differential operators of caputo type](#) Diethelm, K. 2010 *Lecture Notes in Mathematics* 2004, pp. 1-262 1
| Related documents

result42 [Riemann-Liouville fractional calculus and multiindex Dzrbashjan-Gelfond-Leontiev differentiation andintegration with multiindex mittag-leffler function](#) Saha, U.K., Arora, L.K. 2010 *International Journal of Computational and Mathematical Sciences* 4 (8), pp. 341-345 0

Show abstract | Related documents

result43 [Riemann-liouville fractional calculus and multiindex dzrbashjan-gelfond-leontiev differentiation and integration with multiindex mittag-leffler function](#) Saha, U.K., Arora, L.K. 2010 *Proceedings of World Academy of Science, Engineering and Technology* 68, pp. 100-104 0

Show abstract | Related documents

result44 [Lamperti-type laws](#) James, L.F. 2010 *Annals of Applied Probability* 20 (4), pp. 1303-1340 1

View at publisher | Show abstract | Related documents

result45 [Convergence of series in mittag-leffler functions](#) Paneva-Konovska, J. 2010 *Comptes Rendus de L'Academie Bulgare des Sciences* 63 (6), pp. 815-822 3

Show abstract | Related documents

result46 [Existence of solutions for fractional semellear evolution boundary value problem](#) Anguraj, A., Karthikeyan, P. 2010 *Communications in Applied Analysis* 14 (3-4), pp. 505-514 0

Show abstract | Related documents

result47 [Solution of Abel-type integral equation involving the Appell hypergeometric function](#) Raina, R.K. 2010 *Integral Transforms and Special Functions* 21 (7), pp. 515-522 0

View at publisher | Show abstract | Related documents

result48 [Generalized Fourier transform associated with the differential operator Dz n in](#)

the complex domain Ben Cheikh, Y., Yakubovich, S. 2010 *Integral Transforms and Special Functions* 21 (7), pp. 541-555 0

View at publisher | Show abstract | Related documents

result49 A study of generalized fractional integration operators with h̄-functions composition on spaces Fp,μ and F' pμ Chaurasia, V.B.L., Sharma, A. 2010 *Analele Stiintifice ale Universitatii Al I Cuza din Iasi - Matematica* 56 (1), pp. 65-80 0

View at publisher | Show abstract | Related documents

result50 On solving certain fractional differential equations with right-sided derivatives Klimek, M. 2010 *Proceedings of the ASME International Design Engineering Technical Conferences and Computers and Information in Engineering Conference 2009, DETC2009* 4 (PART B), pp. 1037-1046 0

Show abstract | Related documents

result51 Caputo-type fractional derivative of a hypergeometric integral operator Rao, A., Garg, M., Kalla, S.L. 2010 *Kuwait Journal of Science and Engineering* 37 (1 A), pp. 15-29 0

Show abstract | Related documents

result52 The two dimensional generalized Weyl fractional calculus and special functions Chaurasia, V.B.L., Agnihotri, M. 2010 *Tamkang Journal of Mathematics* 41 (2), pp. 139-148 0

Show abstract | Related documents

result53 Some existence results for fractional functional differential equations Obukhovskii, V., Yao, J.-C. 2010 *Fixed Point Theory* 11 (1), pp. 85-96 0

Show abstract | Related documents

result54 Existence results for semilinear functional differential inclusions involving Riemann-Liouville fractional derivative Agarwal, R.P., Belmekki, M., Benchohra, M. 2010 *Dynamics of Continuous, Discrete and Impulsive Systems Series A: Mathematical Analysis* 17 (3), pp. 347-361 0

Show abstract | Related documents

result55 A survey on existence results for boundary value problems of nonlinear fractional differential equations and inclusions Agarwal, R.P., Benchohra, M., Hamani, S. 2010 *Acta Applicandae Mathematicae* 109 (3), pp. 973-1033 20

View at publisher | Show abstract | Related documents

result56 The multi-index Mittag-Leffler functions as an important class of special functions of fractional calculus Kiryakova, V. 2010 *Computers and Mathematics with Applications* 59 (5), pp. 1885-1895 5

View at publisher | | Show abstract | Related documents

result57 Fractional operators and some special functions Rivero, M., Rodríguez-Germá, L., Trujillo, J.J., Pilar Velasco, M. 2010 *Computers and Mathematics with Applications* 59 (5), pp. 1822-1834 0

View at publisher | | Show abstract | Related documents

result58 Detailed balance in Hořava-Lifshitz gravity Calcagni, G. 2010 *Physical Review D - Particles, Fields, Gravitation and Cosmology* 81 (4), art. no. 044006 6

View at publisher | Show abstract | Related documents

result59 The special functions of fractional calculus as generalized fractional calculus operators of some basic functions Kiryakova, V. 2010 *Computers and Mathematics with Applications* 59 (3), pp. 1128-1141 6

View at publisher | | Show abstract | Related documents

result60 A relation between Bessel and Fourier transforms and its application to the weighted inequalities Aliev, I.A. 2010 *Integral Transforms and Special Functions* 21 (2), pp. 135-142 0

View at publisher | Show abstract | Related documents

result 62 Reflections on two parallel ways in the progress of fractional calculus in mechanics of solids Rossikhin, Y.A. 2010 *Applied Mechanics Reviews* 63 (1), pp. 1-12 3 | Related documents

result62 Fractional order iterative learning control Li, Y., Chen, Y., Ahn, H.-S. 2009 *ICCAS-SICE 2009 - ICROS-SICE International Joint Conference 2009, Proceedings* , art. no. 5334041, pp. 3106-3110 1

        Show abstract | Related documents

result63 Fractional integrals in the matrix-variate cases and connection to statistical

distributions Mathai, A.M. 2009 *Integral Transforms and Special Functions* 20 (12), pp. 871-882 1

View at publisher | Show abstract | Related documents

result64 Research on the design and application of an object-oriented virtual tutor system Peng, H., Zhu, J., Cao, C. 2009 *2008 International Workshop on Education Technology and Training and 2008 International Workshop on Geoscience and Remote Sensing, ETT and GRS 2008* 2, art. no. 5070305, pp. 47-50 0

View at publisher | Show abstract | Related documents

result65 The method of upper and lower solutions and impulsive fractional differential inclusions Benchohra, M., Hamani, S. 2009 *Nonlinear Analysis: Hybrid Systems* 3 (4), pp. 433-440 5

View at publisher | | Show abstract | Related documents

result66 Some families of series identities and associated fractional differintegral formulas Lin, S.-D., Chang, L.-F., Srivastava, H.M. 2009 *Integral Transforms and Special Functions* 20 (10), pp. 737-749 1

View at publisher | Show abstract | Related documents

result67 Existence of periodic solution for a nonlinear fractional differential equation Belmekki, M., Nieto, J.J., Rodríguez-López, R. 2009 *Boundary Value Problems* 2009, art. no. 324561 27

View at publisher | Show abstract | Related documents

result68 Applications of extreme points to distortion estimates Dziok, J. 2009 *Applied Mathematics and Computation* 215 (1), pp. 71-77 0

View at publisher | | Show abstract | Related documents

result69 Fractional derivatives: Probability interpretation and frequency response of rational approximations Tenreiro Machado, J.A. 2009 *Communications in Nonlinear Science and Numerical Simulation* 14 (9-10), pp. 3492-3497 10

View at publisher | | Show abstract | Related documents

result70 Thermoelasticity that uses fractional heat conduction equation Povstenko, Y.Z. 2009 *Journal of Mathematical Sciences* 162 (2), pp. 296-305 1

View at publisher | Show abstract | Related documents

result71 [A survey on semilinear differential equations and inclusions involving Riemann-Liouville fractional derivative](#) [Agarwal, R.P.](#), [Belmekki, M.](#), [Benchohra, M.](#) 2009 *Advances in Difference Equations* 2009, art. no. 918728, pp. 1-47 [12](#)

[View at publisher](#) | [Show abstract](#) | [Related documents](#)

result72 [Some results associated with fractional calculus operators involving appell hypergeometric function](#) [Raina, R.K.](#) 2009 *Journal of Inequalities in Pure and Applied Mathematics* 10 (1), art. no. 14 [1](#)

[View at publisher](#) | [Show abstract](#) | [Related documents](#)

result73 [Anther culture response of Triticum durum × T. monococcum ssp. aegilopoides amphiploid](#) [Plamenov, D.](#), [Belchev, I.](#), [Spetsov, P.](#) 2009 *Cereal Research Communications* 37 (2), pp. 255-259 0

[View at publisher](#) | [Show abstract](#) | [Related documents](#)

result74 [Continuous solutions for fractional integral inclusion in locally convex topological space](#) [Ibrahim, R.W.](#) 2009 *Applied Mathematics* 24 (2), pp. 175-183 0

[View at publisher](#) | [Show abstract](#) | [Related documents](#)

result75 [On the concept of solution for fractional differential equations with uncertainty](#) [Agarwal, R.P.](#), [Lakshmikantham, V.](#), [Nieto, J.J.](#) 2009 *Nonlinear Analysis, Theory, Methods and Applications* 72 (6), pp. 2859-2862 [12](#)

[View at publisher](#) | | [Show abstract](#) | [Related documents](#)

result76 [Epitaxial ZnO films on (111) Si substrates with Sc2 O3 buffer layers](#) [Guo, W.](#), [Katz, M.B.](#), [Nelson, C.T.](#), [Heeg, T.](#), [Schlom, D.G.](#), [Liu, B.](#), [Che, Y.](#), [Pan, X.Q.](#) 2009 *Applied Physics Letters* 94 (12), art. no. 122107 [4](#)

[View at publisher](#) | [Show abstract](#) | [Related documents](#)

result77 [Fractional generalization of the quantum Markovian master equation](#) [Tarasov, V.E.](#) 2009 *Theoretical and Mathematical Physics* 158 (2), pp. 179-195 [2](#)

[View at publisher](#) | [Show abstract](#) | [Related documents](#)

result78 [Existence results for fractional order semilinear functional differential equations with nondense domain](#) [Belmekki, M.](#), [Benchohra, M.](#) 2009 *Nonlinear Analysis, Theory, Methods and Applications* 72 (2), pp. 925-932 0

result79 Recursion formulas for Appell's hypergeometric function F2 with some applications to radiation field problems Opps, S.B., Saad, N., Srivastava, H.M. 2009 *Applied Mathematics and Computation* 207 (2), pp. 545-558 3

result80 Existence of convex and non convex local solutions for fractional differential inclusions Ibrahim, R.W. 2009 *Electronic Journal of Differential Equations* 2009, pp. 1-13 1

===== list of Kiryakova, V. citations of 2009 ==========================

result62	Fractional order iterative learning control	Li, Y., Chen, Y., Ahn, H.-S.	2009 *ICCAS-SICE 2009 - ICROS-SICE International Joint Conference 2009, Proceedings* , art. no. 5334041, pp. 3106-3110	1

result63	Fractional integrals in the matrix-variate cases and connection to statistical distributions	Mathai, A.M.	2009 *Integral Transforms and Special Functions* 20 (12), pp. 871-882	1

result64	Research on the design and application of an object-oriented virtual tutor system	Peng, H., Zhu, J., Cao, C.	2009 *2008 International Workshop on Education Technology and Training and 2008 International Workshop on*	0

View at publisher | Show abstract | Related documents

result65 The method of upper and lower solutions and impulsive fractional differential inclusions | Benchohra, M., Hamani, S. | 2009 *Nonlinear Analysis: Hybrid Systems* 3 (4), pp. 433-440 | 5

View at publisher | | Show abstract | Related documents

result66 Some families of series identities and associated fractional differintegral formulas | Lin, S.-D., Chang, L.-F., Srivastava, H.M. | 2009 *Integral Transforms and Special Functions* 20 (10), pp. 737-749 | 1

View at publisher | Show abstract | Related documents

result67 Existence of periodic solution for a nonlinear fractional differential equation | Belmekki, M., Nieto, J.J., Rodríguez-López, R. | 2009 *Boundary Value Problems* 2009, art. no. 324561 | 27

View at publisher | Show abstract | Related documents

result68 Applications of extreme points to distortion estimates | Dziok, J. | 2009 *Applied Mathematics and Computation* 215 (1), pp. 71-77 | 0

View at publisher | | Show abstract | Related documents

result69 Fractional derivatives: Probability interpretation and frequency response of rational approximations | Tenreiro Machado, J.A. | 2009 *Communications in Nonlinear Science and Numerical Simulation* 14 (9-10), pp. 3492-3497 | 10

View at publisher | | Show abstract | Related documents

result70 Thermoelasticity that uses fractional heat conduction equation | Povstenko, Y.Z. | 2009 *Journal of Mathematical Sciences* 162 (2), pp. 296-305 | 1

View at publisher | Show abstract | Related documents

A survey on semilinear differential equations and inclusions involving Riemann-Liouville fractional derivative   Agarwal, R.P., Belmekki, M., Benchohra, M.   2009 *Advances in Difference Equations* 2009, art. no. 918728, pp. 1-47   12

View at publisher | Show abstract | Related documents

Some results associated with fractional calculus operators involving appell hypergeometric function   Raina, R.K.   2009 *Journal of Inequalities in Pure and Applied Mathematics* 10 (1), art. no. 14   1

View at publisher | Show abstract | Related documents

Anther culture response of Triticum durum × T. monococcum ssp. aegilopoides amphiploid   Plamenov, D., Belchev, I., Spetsov, P.   2009 *Cereal Research Communications* 37 (2), pp. 255-259   0

View at publisher | Show abstract | Related documents

Continuous solutions for fractional integral inclusion in locally convex topological space   Ibrahim, R.W.   2009 *Applied Mathematics* 24 (2), pp. 175-183   0

View at publisher | Show abstract | Related documents

On the concept of solution for fractional differential equations with uncertainty   Agarwal, R.P., Lakshmikantham, V., Nieto, J.J.   2009 *Nonlinear Analysis, Theory, Methods and Applications* 72 (6), pp. 2859-2862   12

View at publisher | | Show abstract | Related documents

Epitaxial ZnO films on (111) Si substrates with Sc2 O3 buffer layers   Guo, W., Katz, M.B., Nelson, C.T., Heeg, T., Schlom, D.G., Liu, B., Che, Y., Pan, X.Q.   2009 *Applied Physics Letters* 94 (12), art. no. 122107   4

View at publisher | Show abstract | Related documents

Fractional generalization of the quantum Markovian master equation   Tarasov, V.E.   2009 *Theoretical and Mathematical Physics* 158 (2),

pp. 179-195

result78 Existence results for fractional order semilinear functional differential equations with nondense domain Belmekki, M., Benchohra, M. 2009 *Nonlinear Analysis, Theory, Methods and Applications* 72 (2), pp. 925-932 0

result79 Recursion formulas for Appell's hypergeometric function F2 with some applications to radiation field problems Opps, S.B., Saad, N., Srivastava, H.M. 2009 *Applied Mathematics and Computation* 207 (2), pp. 545-558 3

result80 Existence of convex and non convex local solutions for fractional differential inclusions Ibrahim, R.W. 2009 *Electronic Journal of Differential Equations* 2009, pp. 1-13 1

Result 81
Unified fractional derivative formulas for the Fox-Wright generalized hypergeometric function Ram, J., Chandak, S. 2009 *Proceedings of the National Academy of Sciences India Section A - Physical Sciences* 79 (1), pp. 51-57 0

========== list of citations of 2008 ==============================

result82 Cauchy-Hadamard, Abel and Tauber type theorems for series in generalized Bessel-Maitland functions Paneva-Konovska, J. 2008 *Comptes Rendus de L'Academie Bulgare des Sciences* 61 (1), pp. 9-14 4

result83 Functional differential equations with fractional order and infinite delay Belmekki, M., Benchohra, M., Górniewicz, L. 2008 *Fixed Point Theory* 9 (2), pp. 423-439 9

result84 Influence of some agronomy factors on spike components after a rare incidence of fusarium head blight epiphytoty of winter wheat II. Effect of post-harvest residue incorporation Milev, G., Tonev, T.K., Kiryakova, V. 2008 *Bulgarian Journal of Agricultural Science* 14 (4), pp. 410-416 0

Show abstract | Related documents

result85 Unified fractional integral formulae for the fox-wright generalized hypergeometric function Saxena, R.K., Ram, J., Chandak, S., Kalla, S.L. 2008 *Kuwait Journal of Science and Engineering* 35 (1), pp. 1-20 0

Show abstract | Related documents

result86 Theory of fractional functional differential equations Lakshmikantham, V. 2008 *Nonlinear Analysis, Theory, Methods and Applications* 69 (10), pp. 3337-3343 61

View at publisher | | Show abstract | Related documents

result87 Fractional vector calculus and fractional Maxwell's equations Tarasov, V.E. 2008 *Annals of Physics* 323 (11), pp. 2756-2778 10

View at publisher | | Show abstract | Related documents

result88 Riemann-liouville fractional opial inequalities for several functions with applications Anastassiou, G.A. 2008 *Communications in Applied Analysis* 12 (4), pp. 377-398 0

Show abstract | Related documents

result89 New integral and series representations of the generalized Mathieu series Tomovski, Ž. 2008 *Applicable Analysis and Discrete Mathematics* 2 (2), pp. 205-212 1

View at publisher | Show abstract | Related documents

result90 Subordination and superordination for univalent solutions for fractional differential equations Ibrahim, R.W., Darus, M. 2008 *Journal of Mathematical Analysis and Applications* 345 (2), pp. 871-879 21

View at publisher | | Show abstract

result91 First-principles study of structural and energetic properties of A2 Hf2 O7 (A=Dy, Ho, Er) compounds Zu, X.T., Li, N., Gao, F. 2008 *Journal of Applied Physics* 104 (4), art. no. 043517 0

result92 Fertility transition: Forecast for demography Caputo, M., Nicotra, M., Gloria-Bottini, E. 2008 *Human Biology* 80 (4), pp. 359-376 0

result93 General uniqueness and monotone iterative technique for fractional differential equations Lakshmikantham, V., Vatsala, A.S. 2008 *Applied Mathematics Letters* 21 (8), pp. 828-834 47

result94 Opial type inequalities involving Riemann-Liouville fractional derivatives of two functions with applications Anastassiou, G.A. 2008 *Mathematical and Computer Modelling* 48 (3-4), pp. 344-374 0

result95 Time-fractional radial diffusion in a sphere Povstenko, Y. 2008 *Nonlinear Dynamics* 53 (1-2), pp. 55-65 10

result96 On the solutions of certain fractional kinetic equations Saxena, R.K., Kalla, S.L. 2008 *Applied Mathematics and Computation* 199 (2), pp. 504-511 1

result97 Explicit solutions of Jacobi and Gauss differential equations by means of operators of fractional calculus Wang, P.-Y., Lin, S.-D., Srivastava, H.M. 2008 *Applied Mathematics and Computation* 199 (2), pp. 760-769 0

result98 Some new explicit bounds for weakly singular integral inequalities with applications to fractional differential and integral equations Ma, Q.-H., Pečarić, J. 2008 *Journal of Mathematical Analysis and Applications* 341 (2), pp. 894-905 7

result99 d-Orthogonality of Humbert and Jacobi type polynomials Lamiri, I., Ouni, A. 2008 *Journal of Mathematical Analysis and Applications* 341 (1), pp. 24-51 1

View at publisher | | Show abstract | Related documents

result100 Time and spatial concentration profile inside a membrane by means of a memory formalism Caputo, M., Cametti, C., Ruggero, V. 2008 *Physica A: Statistical Mechanics and its Applications* 387 (8-9), pp. 2010-2018 1

View at publisher | | Show abstract | Related documents
On a fractional integral equation of periodic functions involving Weyl-Riesz operator in Banach algebras Momani, S., Ibrahim, R.W. 2008 *Journal of Mathematical Analysis and Applications* 339 (2), pp. 1210-1219 3

View at publisher | | Show abstract | Related documents

result102 ZnO epitaxy on (111) Si using epitaxial Lu2 O3 buffer layers Guo, W., Allenic, A., Chen, Y.B., Pan, X.Q., Tian, W., Adamo, C., Schlom, D.G. 2008 *Applied Physics Letters* 92 (7), art. no. 072101 5

View at publisher | Show abstract | Related documents

result103 Exponential estimates for oscillatory integrals with degenerate phase functions Cardin, F., Gramchev, T., Lovison, A. 2008 *Nonlinearity* 21 (3), pp. 409-433 1

View at publisher | Show abstract | Related documents

result104 Analysis of a time fractional wave-like equation with the homotopy analysis method Xu, H., Cang, J. 2008 *Physics Letters, Section A: General, Atomic and Solid State Physics* 372 (8), pp. 1250-1255 10

View at publisher | | Show abstract | Related documents

result105 Fundamental solutions to central symmetric problems for fractional heat conduction equation and associated thermal stresses Povstenko, Y.Z. 2008 *Journal of Thermal Stresses* 31 (2), pp. 127-148 7

View at publisher | Show abstract | Related documents

result106 Orbits of operators commuting with the Volterra operator Bermudo, S., Montes-Rodríguez, A., Shkarin, S. 2008 *Journal des Mathematiques Pures et Appliquees* 89 (2), pp. 145-173 4

View at publisher | | Show abstract | Related documents

================= citations of 2007 =========================

result107 The role of the Fox-Wright functions in fractional sub-diffusion of distributed order Mainardi, F., Pagnini, G. 2007 *Journal of Computational and Applied Mathematics* 207 (2), pp. 245-257 13

View at publisher | | Show abstract | Related documents

result108 On the existence and uniqueness of solutions of a class of fractional differential equations Ibrahim, R.W., Momani, S. 2007 *Journal of Mathematical Analysis and Applications* 334 (1), pp. 1-10 12

View at publisher | | Show abstract | Related documents

result109 On the evaluation of rectangular plane-extended sources and their associated radiation fields Oner, F. 2007 *Applied Radiation and Isotopes* 65 (10), pp. 1121-1124 3

View at publisher | | Show abstract | Related documents

result110 Explicit solutions of a certain class of differential equations by means of fractional calculus Srivastava, H.M., Lin, S.-D., Chao, Y.-T., Wang, P.-Y. 2007 *Russian Journal of Mathematical Physics* 14 (3), pp. 357-365 1

View at publisher | Show abstract | Related documents

result111 Theory of fractional differential inequalities and applications Lakshmikantham, V., Vatsala, A.S. 2007 *Communications in Applied Analysis* 11 (3-4), pp. 395-402 32

Show abstract | Related documents

result112 N-Fractional calculus of products of some power functions and some doubly infinite sums Nishimoto, K. 2007 *Applied Mathematics and Computation* 187 (1 SPEC. ISS.), pp. 340-349 2

View at publisher | | Show abstract

result113 Explicit solutions of a certain class of associated Legendre equations by means of fractional calculus Lin, S.-D., Tsai, Y.-S., Wang, P.-Y. 2007 *Applied Mathematics and Computation* 187 (1 SPEC. ISS.), pp. 280-289 2

View at publisher | | Show abstract | Related documents

result114 On the Riemann-Liouville fractional calculus, g-Jacobi functions and F-Gauss functions Mirevski, S.P., Boyadjiev, L., Scherer, R. 2007 *Applied Mathematics and Computation* 187 (1 SPEC. ISS.), pp. 315-325 8

View at publisher | | Show abstract | Related documents

result115 Fractional extensions of the temperature field problems in oil strata Galue, L., Kalla, S.L., Al-Saqabi, B.N. 2007 *Applied Mathematics and Computation* 186 (1), pp. 35-44 0

View at publisher | | Show abstract | Related documents

result116 A second-order accurate numerical method for a fractional wave equation McLean, W., Mustapha, K. 2007 *Numerische Mathematik* 105 (3), pp. 481-510 7

View at publisher | Show abstract | Related documents

result117 Some fractional-calculus results for the H̄-function associated with a class of Feynman integrals Srivastava, H.M., Lin, S.-D., Wang, P.-Y. 2006 *Russian Journal of Mathematical Physics* 13 (1), pp. 94-100 6

View at publisher | Show abstract | Related documents

result118 Inclusion theorems of convolution operators associated with normalized hypergeometric functions Swaminathan, A. 2006 *Journal of Computational and Applied Mathematics* 197 (1), pp. 15-28 2

View at publisher | | Show abstract

result119 Two-dimensional generalized Weyl fractional calculus pertaining to two-dimensional H̄-transforms Chaurasia, V.B.L., Srivastava, A. 2006 *Tamkang Journal of Mathematics* 37 (3), pp. 237-249 0

Show abstract | Related documents

result120 Minimal cyclic random motion in Rn and hyper-Bessel functions Lachal, A., Leorato, S., Orsingher, E. 2006 *Annales de l'institut Henri Poincare (B) Probability and Statistics* 42 (6), pp. 753-772 1

View at publisher | | Show abstract | Related documents

result121 New function of Mittag-Leffler type and its application in the fractional diffusion-wave equation Yu, R., Zhang, H. 2006 *Chaos, Solitons and Fractals* 30 (4), pp. 946-955 6

View at publisher | | Show abstract | Related documents

result122 On weighted inequalities for certain fractional integral operators Raina, R.K.

2006 *International Journal of Mathematics and Mathematical Sciences* 2006, art. no. 79196 0

View at publisher | Show abstract | Related documents

result123 Sufficiency for hypergeometric transforms to be associated with conic regions Swaminathan, A. 2006 *Mathematical and Computer Modelling* 44 (3-4), pp. 276-286 1

View at publisher | | Show abstract

result124 Positive solutions for nonlinear fractional differential equations with coefficient that changes sign Bai, C. 2006 *Nonlinear Analysis, Theory, Methods and Applications* 64 (4), pp. 677-685 20

View at publisher | | Show abstract | Related documents

result125 Physicochemical materials research phase equilibria in the system HfO 2 - Y2O3 - La2O3 at 1900°C Andrievskaya, E.R., Lopato, L.M., Smirnov, V.P. 2006 *Powder Metallurgy and Metal Ceramics* 45 (1-2), pp. 59-71 0

View at publisher | Show abstract | Related documents

result126 New exact solutions of differential equations derived by fractional calculus Felber, F.S. 2005 *Applied Mathematics and Computation* 170 (2), pp. 1261-1270 0

View at publisher | | Show abstract

result127 Plane rectangular tritium target response to excitation by uniform distributed normal accelerated deuteron beam Timus, D.M., Srivastava, H.M., Scarlat, F.F. 2005 *Applied Radiation and Isotopes* 63 (5-6 SPEC. ISS.), pp. 823-839 5

View at publisher | | Show abstract | Related documents

result128 Fox H functions in fractional diffusion Mainardi, F., Pagnini, G., Saxena, R.K. 2005 *Journal of Computational and Applied Mathematics* 178 (1-2 SPEC. ISS.), pp. 321-331 32

View at publisher | | Show abstract | Related documents

result129 Memory formalism in the passive diffusion across highly heterogeneous systems Cesarone, F., Caputo, M., Cametti, C. 2005 *Journal of Membrane Science* 250 (1-2), pp. 79-84 7

View at publisher | | Show abstract | Related documents

result130 Calculation of the generalized Hubbell rectangular source integrals using binomial coefficients Guseinov, I.I., Mamedov, B.A. 2005 *Applied Mathematics and Computation* 161 (1), pp. 285-292 13

View at publisher | | Show abstract | Related documents

result131 Diffusion in porous layers with memory Caputo, M., Plastino, W. 2004 *Geophysical Journal International* 158 (1), pp. 385-396 4

View at publisher | Show abstract | Related documents

result132 Fractional derivatives and the inverse Fourier transform of ℓ 1-radial functions Zu Castell, W. 2004 *Integral Transforms and Special Functions* 15 (3), pp. 209-223 0

View at publisher | Show abstract | Related documents

result133 Some integrals involving Wright's hypergeometric function | [Algunas integrales que involucran la función hipergeométrica de Wright] Duque, D., Galué, L. 2004 *Revista Tecnica de la Facultad de Ingenieria Universidad del Zulia* 27 (1), pp. 13-19 0

View at publisher | Show abstract | Related documents

result134 Probability interpretation of the integral of fractional order Stanislavsky, A.A. 2004 *Theoretical and Mathematical Physics* 138 (3), pp. 418-431 37

View at publisher | Show abstract

result135 Existence of positive solutions for fractional differential equations with Riemann-Liouville left-hand and right-hand fractional derivatives Zhang, S. 2004 *Electronic Journal of Differential Equations* 2004, pp. 1-12 2

View at publisher | Show abstract | Related documents

result136 Evaluation of the Hubbell radiation rectangular source integral using binomial coefficients Guseinov, I.I., Öner, F., Mamedov, B.A. 2004 *Radiation Physics and Chemistry* 69 (2), pp. 109-112 13

View at publisher | | Show abstract | Related documents

result137 Response of a diffusion-wave system subjected to deterministic and stochastic fields Agrawal, O.P. 2003 *ZAMM Zeitschrift fur Angewandte Mathematik und Mechanik* 83 (4), pp. 265-274 15

View at publisher | Show abstract | Related documents

result138 The Wright functions as solutions of the time-fractional diffusion equation Mainardi, F., Pagnini, G. 2003 *Applied Mathematics and Computation* 141 (1), pp. 51-62 45

View at publisher | | Show abstract | Related documents

result139 Further results on fractional calculus operators involving the appell function F3 Galué, L. 2003 *Kuwait Journal of Science and Engineering* 30 (1), pp. 1-13 0

Show abstract | Related documents

result140 Diffusion with space memory modelled with distributed order space fractional differential equations Caputo, M. 2003 *Annali di Geofisica* 46 (2), pp. 223-234 5

Show abstract

Unification of generalized radiation field integrals involving confluent hypergeometric function Galué, L. 2003 *Radiation Physics and Chemistry* 66 (4), pp. 269-273 5

View at publisher | | Show abstract

result142 Salvatore Pincherle: The pioneer of the Mellin-Barnes integrals Mainardi, F., Pagnini, G. 2003 *Journal of Computational and Applied Mathematics* 153 (1-2), pp. 331-342 6

View at publisher | | Show abstract | Related documents

result143 Existence of positive solution for some class of nonlinear fractional differential equations Zhang, S. 2003 *Journal of Mathematical Analysis and Applications* 278 (1), pp. 136-148 37

View at publisher | | Show abstract | Related documents

result144 Phase equilibria during solidification of alloys of the ternary system HfO2 - Y2O3 - La2O3 Andrievskaya, E.R., Lopato, L.M. 2002 *Powder Metallurgy and Metal Ceramics* 41 (11-12), pp. 609-619 0

View at publisher | Show abstract | Related documents

result145 Development of the Hubbell rectangular source integral Kalla, S.L., Al-Shammery, A.H., Khajah, H.G. 2002 *Acta Applicandae Mathematicae* 74 (1), pp. 35-55 2

View at publisher | Show abstract

result146 [Recurrence relations for radial positive definite functions](#) [Zu Castell, W.](#) 2002 *Journal of Mathematical Analysis and Applications* 271 (1), pp. 108-123 [2](#)

[View at publisher](#) | | [Show abstract](#) | [Related documents](#)

result147 [Stochastic analysis of a 1-D system with fractional damping of order 1/2](#) [Agrawal, O.P.](#) 2002 *Journal of Vibration and Acoustics, Transactions of the ASME* 124 (3), pp. 454-460 [12](#)

[Show abstract](#) | [Related documents](#)

result148 [A multi-index Borel-Dzrbashjan transform](#) [Al-Musallam, F.](#), [Kiryakova, V.](#), [Kim Tuan, V.](#) 2002 *Rocky Mountain Journal of Mathematics* 32 (2), pp. 409-428 [3](#)

[View at publisher](#) | [Show abstract](#) | [Related documents](#)

result149 [Solutions of fractional multi-order integral and differential equations using a Poisson-type transform](#) [Ali, I.](#), [Kiryakova, V.](#), [Kalla, S.L.](#) 2002 *Journal of Mathematical Analysis and Applications* 269 (1), pp. 172-199 [4](#)

[View at publisher](#) | | [Show abstract](#) | [Related documents](#)

result150 [Geometric properties of convolution operators defined by Gaussian hypergeometric functions](#) [Choi, J.H.](#), [Kim, Y.C.](#), [Saigo, M.](#) 2002 *Integral Transforms and Special Functions* 13 (2), pp. 117-130 [5](#)

[View at publisher](#) | [Show abstract](#) | [Related documents](#)

result151 [A numerical scheme for dynamic systems containing fractional derivatives](#) [Yuan, L.](#), [Agrawal, O.P.](#) 2002 *Journal of Vibration and Acoustics, Transactions of the ASME* 124 (2), pp. 321-324 [44](#)

[Show abstract](#) | [Related documents](#)

result152 [Extended bell and stirling numbers from hypergeometric exponentiation](#) [Sixdeniers, J.-M.](#), [Penson, K.A.](#), [Solomon, A.I.](#) 2001 *Journal of Integer Sequences* 4 (1) [6](#)

[View at publisher](#) | [Show abstract](#) | [Related documents](#)

result153 [Theoretical analysis of the velocity field, stress field and vortex sheet of generalized second order fluid with fractional anomalous diffusion](#) [Xu, M.](#), [Tan, W.](#) 2001 *Science in China, Series A: Mathematics, Physics, Astronomy* 44 (11), pp. 1387-1399 [38](#)

[View at publisher](#) | [Show abstract](#) | [Related documents](#)

result154 [On the classical d-orthogonal polynomials defined by certain generating functions, II](#) [Ben Cheikh, Y.](#), [Douak, K.](#) 2001 *Bulletin of the Belgian Mathematical Society - Simon Stevin* 8 (4), pp. 591-605 [6](#)

[Show abstract](#) | [Related documents](#)

result155 [Decomposition of some special functions with respect to the cyclic group of order n and applications](#) [Cheikh, Y.B.](#) 2001 *Nonlinear Analysis, Theory, Methods and Applications* 47 (3), pp. 1919-1930 [1](#)

[View at publisher](#) | | [Show abstract](#) | [Related documents](#)

result156 [Constructing coherent states through solutions of Stieltjes and Hausdorff moment problems](#) [Klauder, J.R.](#), [Penson, K.A.](#), [Sixdeniers, J.-M.](#) 2001 *Physical Review A. Atomic, Molecular, and Optical Physics* 64 (1), pp. 138171-1381718 [63](#)

[View at publisher](#) | [Show abstract](#) | [Related documents](#)

result157 [The Obrechkoff transform on spaces of generalized functions](#) [Cruz-Báez, D.I.](#), [Rodríguez, J.](#) 2001 *Rocky Mountain Journal of Mathematics* 31 (1), pp. 141-155 0

[View at publisher](#) | [Show abstract](#) | [Related documents](#)

result158 [Operators of fractional integration and their applications](#) [Srivastava, H.M.](#), [Saxena, R.K.](#) 2001 *Applied Mathematics and Computation* 118 (1), pp. 1-52 [32](#)

[View at publisher](#) | | [Show abstract](#) | [Related documents](#)

result159 [On Hubbell's rectangular source integral](#) [Stalker, J.](#) 2001 *Radiation Physics and Chemistry* 62 (4), pp. 311-315 [9](#)

[View at publisher](#) | | [Show abstract](#)

result160 [Composition of hypergeometric fractional operators](#) [Galué, L.](#) 2000 *Kuwait Journal of Science and Engineering* 27 (1), pp. X-13 0

[Show abstract](#) | [Related documents](#)

[Research on the electrochemistry of oxygen ion conductors in the former Soviet Union: III. HfO2-, CeO2- And ThO2-based oxides](#) [Kharton, V.V.](#), [Yaremchenko, A.A.](#), [Naumovich, E.N.](#), [Marques, F.M.B.](#) 2000 *Journal of Solid State Electrochemistry* 4 (5), pp. 243-266 [45](#)

[View at publisher](#) | [Show abstract](#) | [Related documents](#)

result162 The Obrechkoff integral transform: Properties and relation to a generalized fractional calculus Dimovski, I., Kiryakova, V. 2000 *Numerical Functional Analysis and Optimization* 21 (1-2), pp. 121-144 3

Show abstract | Related documents

result163 A fractional calculus operators approach to doubly confluent Heun and generalized ellipsoidal wave equations Ali, I. 2000 *Kuwait Journal of Science and Engineering* 27 (1), pp. 19-26 1

Show abstract

result164 Asymptotics of zeros of the wright function Luchko, Yu. 2000 *Zeitschrift fur Analysis und ihre Anwendung* 19 (2), pp. 583-595 1

Show abstract | Related documents

result165 Composition of Erdélyi-Kober fractional operators Galué, L., Kalla, S.L., Tuan, V.K. 2000 *Integral Transforms and Special Functions* 9 (3), pp. 185-196 2

View at publisher | Show abstract | Related documents

result166 Commutativity of the Leibniz rules in fractional calculus Tu, S.-T., Wu, T.-C., Srivastava, H.M. 2000 *Computers and Mathematics with Applications* 40 (2), pp. 303-312 0

View at publisher | | Show abstract | Related documents

result167 Tau method approximation of the Hubbell rectangular source integral Kalla, S.L., Khajah, H.G. 2000 *Radiation Physics and Chemistry* 59 (1), pp. 17-21 10

View at publisher | | Show abstract

result168 Multiple (multiindex) Mittag-Leffler functions and relations to generalized fractional calculus Kiryakova, V.S. 2000 *Journal of Computational and Applied Mathematics* 118 (1-2), pp. 241-259 14

View at publisher | Show abstract | Related documents

result169 Wright functions as scale-invariant solutions of the diffusion-wave equation Gorenflo, R., Luchko, Y., Mainardi, F. 2000 *Journal of Computational and Applied Mathematics* 118 (1-2), pp. 175-191 57

View at publisher | Show abstract | Related documents

result170 [A modified Bessel-type integral transform and its compositions with fractional calculus operators on spaces Fp,μ and Fp,μ′](#) Glaeske, H.-J., Kilbas, A.A., Saigo, M. 2000 *Journal of Computational and Applied Mathematics* 118 (1-2), pp. 151-168 2

View at publisher | Show abstract | Related documents

result171 [Fractional calculus approach to dynamic problems of viscoelastic materials](#) Shimizu, N., Zhang, W. 1999 *JSME International Journal. Series C: Mechanical Systems, Machine Elements and Manufacturing* 42 (4), pp. 825-837 24

     Show abstract | Related documents

result172 [On generalized m-Bessel functions](#) Virchenko, N.O., Haidey, V.O. 1999 *Integral Transforms and Special Functions* 8 (3-4), pp. 275-286 0

View at publisher | Show abstract | Related documents

result173 [Hall normalization constants for the Bures volumes of the n-state quantum systems](#) Slater, P.B. 1999 *Journal of Physics A: Mathematical and General* 32 (47), pp. 8231-8246 20

View at publisher | Show abstract | Related documents

result174 [Solidus surface of the equilibrium diagram of the HfO2 - Y2O3 - La2O3 system](#) Andrievskaya, E.R. 1999 *Powder Metallurgy and Metal Ceramics* 38 (5-6), pp. 261-269 0

View at publisher | Show abstract | Related documents

result175 [Some subclasses of analytic functions associated with fractional calculus operators](#) Raina, R.K., Srivastava, H.M. 1999 *Computers and Mathematics with Applications* 37 (9), pp. 73-84 3

View at publisher | | Show abstract | Related documents

result176 [Analytic continuation of operators applications: From number theory and group theory to quantum field and string theories](#) Woon, S.C. 1999 *Reviews in Mathematical Physics* 11 (4), pp. 463-501 5

View at publisher | Show abstract | Related documents

result177 [Explicit solutions to Hyper-Bessel integral equations of second kind](#) Kiryakova, V., Al-Saqabi, B. 1999 *Computers and Mathematics with Applications* 37 (1), pp. 75-86 4

View at publisher | Show abstract | Related documents

result178 Explicit solutions of fractional integral and differential equations involving Erdélyi-Kober operators Al-Saqabi, B., Kiryakova, V.S. 1998 *Applied Mathematics and Computation* 95 (1), pp. 1-13 4

View at publisher | Show abstract | Related documents

result179 Acceleration of saturation process and improving nitrided layer properties Sverdlin, A., Zolot'ko, V., Afanasieva, O., Kaftanov, S., Dyachenko, S. 1998 *Industrial Heating* 65 (9), pp. 99-105 0

     Show abstract | Related documents

result180 A note on differential subordination associated with H-function Choi, J.H. 1998 *Indian Journal of Pure and Applied Mathematics* 29 (12), pp. 1217-1225 0

     Show abstract | Related documents

result181 On convolution structures for H-function transformations Raina, R.K., Kalia, R.N. 1998 *Analysis Mathematica* 24 (3), pp. 221-239 0

View at publisher | Show abstract | Related documents

result182 Fractional curl operator in electromagnetics Engheta, N. 1998 *Microwave and Optical Technology Letters* 17 (2), pp. 86-91 52

View at publisher | Show abstract | Related documents

result183 Invariance of a Partial Differential Equation of Fractional Order under the Lie Group of Scaling Transformations Buckwar, E., Luchko, Y. 1998 *Journal of Mathematical Analysis and Applications* 227 (1), pp. 81-97 19

View at publisher | | Show abstract | Related documents

result184 Exact solution for the reflection and diffraction of atomic de Broglie waves by a travelling evanescent laser wave Witte, N.S. 1998 *Journal of Physics A: Mathematical and General* 31 (2), pp. 807-832 5

View at publisher | Show abstract | Related documents

result185 Characterization properties for starlike and convex functions involving a class of fractional integral operators Raina, R.K., Bolia, M. 1997 *Rendiconti del Seminario Matematico dell Universita di Padova* 97, pp. 61-71 3

☐

result186 Fractional calculus operators and their applications involving power functions and summation of series Chen, M.-P., Srivastava, H.M. 1997 *Applied Mathematics and Computation* 81 (2-3), pp. 287-304 4

☐

result187 Kummer's twenty-four functions and N-fractional calculus Nishimoto, K. 1997 *Nonlinear Analysis, Theory, Methods and Applications* 30 (2), pp. 1271-1282 1

☐

result188 On certain classes of analytic functions and applications to fractional calculus operators Raina, R.K. 1997 *Integral Transforms and Special Functions* 5 (3-4), pp. 247-260 6

☐

result189 On the role of fractional calculus in electromagnetic theory Engheta, N. 1997 *IEEE Antennas and Propagation Magazine* 39 (4), pp. 35-46 50

☐

result190 All the special functions are fractional differintegrals of elementary functions Kiryakova, V. 1997 *Journal of Physics A: Mathematical and General* 30 (14), pp. 5085-5103 13

☐

result191 Transmutation method for solving Erdélyi-Kober fractional differintegral equations Kiryakova, V.S., Al-Saqabi, B.N. 1997 *Journal of Mathematical Analysis and Applications* 211 (1), pp. 347-364 7

☐

result192 Multiple-term approximations for appell's F1 function El-Gabali, M.A. 1997 *Journal of the Australian Mathematical Society Series B-Applied Mathematics* 39 (1), pp. 135-148 0

☐

result193 Tau method approximation of some integrals related to radiation field problems

Kalla, S.L., Khajah, H.G. 1997 *Computers and Mathematics with Applications* 33 (5), pp. 21-27 4

View at publisher | Show abstract

result194 Riesz potential and riemann-liouville fractional integrals and derivatives of jacobi polynomials Podlubny, I. 1997 *Applied Mathematics Letters* 10 (1), pp. 103-108 1

View at publisher | Show abstract | Related documents

result195 Applications of fractional calculus to dynamic problems of linear and nonlinear hereditary mechanics of solids Rossikhin, Y.A., Shitikova, M.V. 1997 *Applied Mechanics Reviews* 50 (1), pp. 15-67 114

View at publisher | Show abstract | Related documents

result196 On fractional calculus and fractional multipoles in electromagnetism Engheta, N. 1996 *IEEE Transactions on Antennas and Propagation* 44 (4), pp. 554-566 63

View at publisher | Show abstract | Related documents

result197 An application of fractional calculus to the solution of a general class of differintegral equations Ali, I., Kalla, S. 1996 *Applied Mathematics and Computation* 77 (2-3), pp. 137-152 2

View at publisher | Show abstract | Related documents

result198 On generalized fractional integration operators with fox's H-function on spaces Fp,μ and Fl p,μ Kilbas, A.A., Saigo, M. 1996 *Integral Transforms and Special Functions* 4 (1-2), pp. 103-114 1

View at publisher | Show abstract | Related documents

result199 Some generalised radiation field integrals El-Gabali, M., Kalla, S. 1996 *Computers and Mathematics with Applications* 32 (12), pp. 121-128 4

View at publisher | | Show abstract | Related documents

result200 Fractional relaxation-oscillation and fractional diffusion-wave phenomena Mainardi, F. 1996 *Chaos, Solitons and Fractals* 7 (9), pp. 1461-1477 208

View at publisher | | Show abstract | Related documents
Some integral operators of Buschman-Erdélyi type Virchenko, N. 1996 *Revista Tecnica de la Facultad de Ingenieria Universidad del Zulia* 19 (2), pp. 85-90 0

result202 A note on multidimensional modified fractional calculus operators Raina, R.K. 1996 *Proceedings of the Indian Academy of Sciences: Mathematical Sciences* 106 (2), pp. 155-162 2

result203 A generalization of the integral operators involving the Gauss' hypergeometric function Curiel, L., Galué, L. 1996 *Revista Tecnica de la Facultad de Ingenieria Universidad del Zulia* 19 (1), pp. 17-22 3

result204 Chapter 59 Inorganic complex compounds II Niinistö, L., Leskelä, M. 1987 *Handbook on the Physics and Chemistry of Rare Earths* 9, pp. 91-320 7

=====================================