

Curriculum Vitae (CV)

Name : Mehmet Ali Özarslan
Position : Professor of Mathematics
Address: : Eastern Mediterranean University
Faculty of Art and Sciences
Department of Mathematics
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Date of Birth : September 09,1976
Place of Birth : Lefkoşa

Education

- **Ph.D.** : Ankara University (April,2005)
- **M.S.** : Ankara University (July,2000)
- **B.S.** : Ankara University (June,1997)

Academic Experience

- **Professor** : Eastern Mediterranean University (2015-...)
- **Associate Professor** : Eastern Mediterranean University (2009-2015)
- **Assistant Professor** : Eastern Mediterranean University (2005-2009)
- **Research Assistant** : Ankara University (2002-2005)

Current Reserach Interests

- Special functions
- Fractional Calculus
- Korovkin-type approximation theory
- q-Calculus
- Statistical convergence and its applications

Graduate Students

Ph.D. Thesis

- **Title:** Some Properties of Certain Class of Polynomials (2010)
Student: Assoc. Prof. Dr. Cem Kaanoğlu
- **Title:** Some Properties of Hypergeometric Functions (2011)
Student: Dr. Emine Özergin
- **Title:** Some Properties of Appell Polynomials (2014)
Student: Dr. Banu Yılmaz

- **Title:** Approximation Properties of q -Bernstein-Schurer Operators (2015)
Student: Tuba Vedi
- **Title:** Some results on Laguerre type and Mittag-Leffler type functions (2017)
Student: Cemaliye Kurt
- **Title:** Incomplete Pochhammer Ratio and Related Special Functions (2018)
Student: Ceren Ustaoğlu
- **Title:** Incomplete On the w -Charlier Polynomials (2021)
Student: Gizem Baran

Master Thesis

- **Title:** Volterra Integral Equations of the Second Kind (2007)
Student: Habibe Tilim
- **Title:** Schurer Type q -Bernstein Operators (2011)
Student: Tuba Vedi
- **Title:** Exponential Operators and Hermite Type Polynomials (2016)
Student: Gizem Baran
- **Title:** (p,q) -Hahn Difference Operator (2020)
Student: Duygu Malyalı
- **Title:** q -Multiple Appell Polynomials (2021)
Student: Merve Çil

Publication List:

1. A. Fernandez, **M.A. Özarslan**, C. Kürt, A catalogue of semigroup properties for integral operators with Fox-Wright kernel functions, *Studies in Applied Mathematics*, 148 (4) , pp.1477-1518.(2022)
2. **M.A. Özarslan**, C. Ustaoğlu, Extended incomplete Riemann-Liouville fractional integral operators and related special functions. *Electron. Res. Arch.* 30 (2022), no. 5, 1723–1747.
3. **M.A. Özarslan**, A. Fernandez, On the fractional calculus of multivariate Mittag-Leffler functions. *Int. J. Comput. Math.* 99 (2022), no. 2, 247–273.
4. **M.A. Özarslan**, A. Fernandez, On a Five-Parameter Mittag-Leffler Function and the Corresponding Bivariate Fractional Operators, *FRACTAL AND FRACTIONAL* 5 (2), (2021)
5. S.C. Buranay, **M.A. Özarslan**, S.S. Falahhesar, Numerical Solution of the Fredholm and Volterra Integral Equations by Using Modified Bernstein-Kantorovich Operators, *Mathematics* 9 (11), (2021)

6. A. Fernandez, C. Ustaoglu, Ceren, **M.A. Özarslan**, On the analytical development of incomplete Riemann-Liouville fractional calculus. *Turkish J. Math.* 45 (2021), no. 3, 1418–1443.
7. **M.A. Özarslan**, B.Y. Yaşar, Δh -Gould-Hopper Appell Polynomials. *Acta Math. Sci. Ser. B (Engl. Ed.)* 41 (2021), no. 4, 1196–1222.
8. **M.A. Özarslan**, G. Baran, On the ω -multiple Charlier polynomials. *Adv. Difference Equ.* 2021, Paper No. 119.
9. C. Kürt, **M.A. Özarslan**, A. Fernandez, On a certain bivariate Mittag-Leffler function analysed from a fractional-calculus point of view. *Math. Methods Appl. Sci.* 44 (2021), no. 3, 2600–2620.
10. **M.A. Özarslan**, C. Ustaoglu, Extended incomplete version of hypergeometric functions. *Filomat* 34 (2020), no. 2, 653–662.
11. **M.A. Özarslan**, Approximation properties of Jain-Appell operators. *Appl. Anal. Discrete Math.* 14 (2020), no. 3, 654–669.
12. A. Fernandez, C. Kürt, **M.A. Özarslan**, A naturally emerging bivariate Mittag-Leffler function and associated fractional-calculus operators. *Comput. Appl. Math.* 39 (2020), no. 3, Paper No. 200.
13. S. Varma, B.Y. Yaşar, Banu, **M.A. Özarslan**, Hahn-Appell polynomials and their d -orthogonality. *Rev. R. Acad. Cienc. Exactas Fís. Nat. Ser. A Mat. RACSAM* 113 (2019), no. 3, 2127–2143.
14. H.M. Srivastava, B. Yılmaz, **M.A. Özarslan**, A class of big (p, q) -Appell polynomials and their associated difference equations. *Filomat* (2019) 3085–3121.
15. **Mehmet Ali Özarslan** and Cemaliye Kürt, Nonhomogeneous initial and boundary value problem for the Caputo-type fractional wave equation. *Adv. Difference Equ.* (2019), Paper No. 199, 14 pp.
16. Arran Fernandez, **Mehmet Ali Özarslan**, Dumitru Baleanu, On fractional calculus with general analytic kernels. *Appl. Math. Comput.* 354 (2019), 248–265.
17. Serhan Varma, Banu Yılmaz Yaşar, **Mehmet Ali Özarslan**, Hahn-Appell polynomials and their d -orthogonality, *Revista de la Real Academia de Ciencias Exactas, Físicas y Naturales. Serie A Matemáticas*, (2019), pp 1–17.
18. **Mehmet Ali Özarslan** and Cemaliye Kürt, Bivariate Mittag-Leffler function arising in the solutions of convolution integral equation with 2D-Laguerre-Konhauser polynomials in the kernel, *Applied Math. Comput.* Volume 347, (2019), 631-644.
19. H. M. Srivastava, **M. A. Özarslan**, Banu Yılmaz Yaşar, Difference equations for a class of twice-iterated Δh -Appell sequences of polynomials, *Revista de la Real Academia de Ciencias Exactas, Físicas y Naturales. Serie A Matemáticas*, (2019), pp 1–21.
20. **Mehmet Ali Özarslan** and Ceren Ustaoglu, Extension of incomplete gamma, beta and hypergeometric functions, *Progr. Fract. Differ. Appl.* (2019), Vol.5 No. 1, 1-15.
21. **Mehmet Ali Özarslan** and Ceren Ustaoglu, Incomplete Caputo fractional derivative operators, *Adv. Difference Equ.* (2018), Paper No. 209, 18 pp.
22. **M.A. Özarslan** and C. Kurt, On a double integral equation including a set two variables polynomials suggested by Laguerre Polynomials, *Journal of Computational Analysis and Applications* 22 (7) (2017), 1198-1207.

23. **M.A. Özarlan** and T.Vedi, Two-dimensional Chlodowsky variant of q-Bernstein-Shurer-Stancu Operators, *Journal of Computational Analysis and Applications* 23 (3) (2017),446-461.
24. **M.A. Özarlan**,R. Srivastava and C. Kaanoğlu, Certain Families of Multivaible Chan-Chyan-Srivastava Polynomails, *Miskolc Mathematical Notes* 18 1 (2017), 379-389.
25. **M.A. Özarlan** and H. Aktuğlu, Weighted alpha beta-statistical convergence of Kantrocich-Mittag-Leffler Operaotors, *Mathematica Slovaca* 66 (3) (2016),695-706.
26. **M.A. Özarlan**, New Korovkin Type Theorem for Non-Tensor Meyer-Konig and Zeller Operators, *Results in Mathematics* 69 (3-4) (2016),327-343.
27. **M.A. Özarlan** and O. Duman, Smoothness Properties of Modified Bernstein-Kantorovich Operators, *Numerical Functional Analysis and Optimization*, 37 (1) (2016), 92-105.
28. **M.A. Özarlan** and B.Y. Yasar, Unified Bessel, modified Bessel, spherical Bessel and Bessel-Clifford Functions. *Journal of Inequalities and Special Functions* ,7 (4) (2016),77- 117.
29. **M.A. Özarlan** and T. Vedi, Voronovskaja Type Approximation Theorem for q-Szasz-Schurer Operators, *Computational Analysis*, 155 (2016),353-361.
30. **M.A. Özarlan** ,Approximation Properties of Jain-Stancu Operators ,*Filomat* 30 (4) (2016),1081-1088.
31. **M.A. Özarlan** and H. Aktuğlu, Anti-periodic BVP for Volterra integro-differential equation of fractional order $1 < \alpha \leq 2$, involving Mittag-Leffler function in the kernel, *Journal of Nonlinear Sciences and Application* 9 (2) (2016),452-460.
32. **M.A. Özarlan** and C. Kaanoğlu, Some generalizations of multiple Laguerre polynomials via Rodrigues formula, *ARS Combinatoria*, 123 (2015), 195-206.
33. **M.A. Özarlan** and H. Aktuğlu, Korovkin type theorem for non-tensor Balasz type Bleimann, Butzer and Hahn operators, *Math. Meth. Appl. Sci.*, 38(9) (2015)1937-1944.
34. T. Vedi and **M.A. Özarlan**, Chlodowsky type q-Bernstein-Stancu-Kantorovich operators, *Journal of Inequalities and Applications*, article no: 91 (2015), 16 pages.

35. **M.A. Özarıslan** and S. Gaboury, Srivastava-Pinter theorems for 2D-Appell polynomials and their Applications, *Math. Meth. Appl. Sci.*, 37(15)(2014), 2198-2210.
36. S. Gaboury and **M.A. Özarıslan**, Singular integral equation involving a multivariable analog of Mittag-Leffler function, *Advances in differences equations*, article no: 252 (2014), 10 pages.
37. H.M. Srivastava, **M.A. Özarıslan**, B. Yılmaz, Some families of differential equations associated with the Hermite-based Appell polynomials and other classes of Hermite-based polynomials, *Filomat*, 28 (4) (2014), 695-708.
38. T. Vedi and **M.A. Özarıslan**, Chlodowsky variant of q-Bernstein-Schurer-Stancu operators, *Journal of Inequalities and Applications*, article no: 189 (2014), 14 pages.
39. **M.A. Özarıslan** and B. Yılmaz, A set of finite order differential equations for the Appell polynomials, *J. of Comp. and Appl. Math.*, 259 (2014), 108-116.
40. **M.A. Özarıslan**, On a singular integral equation including a set of multivariate polynomials suggested by Laguerre polynomials, *Applied Mathematics and Computation*, 229 (2014), 350-358.
41. **M.A. Özarıslan** and B. Yılmaz, The Extended Mittag-Leffler function and its properties, *Journal of Inequalities and Applications*, article no:85 (2014), 10 pages.
42. H. Aktuđlu and **M.A. Özarıslan**, Solvability of differential equations of order $2 < \alpha \leq 3$ involving the p-Laplacian operator with boundary conditions, *Advances in differences equations*, article no: 358 (2013), 13 pages.
43. M. Bozer and **M.A. Özarıslan**, Notes on generalized Gamma, Beta and Hypergeometric function, *J. Comp. Anal. and Appl.*, 15 (7) (2013), 1194-1201.
44. **M.A. Özarıslan** and T. Vedi, q- Bernstein-Schurer-Kantorovich Operators, *J. of Ineq. and Appl.* article no: 444 (2013), 15 pages.
45. C. Kaanođlu and **M.A. Özarıslan**, Two-parameter Srivastava polynomials and several series identities, *Adv. Difference Equ.*, article no: 81 (2013), 9 pages.

46. H.M. Srivastava, **M.A. Özarslan** and C. Kaanoğlu, Some generalized Lagrange-based Apostol-Bernoulli, Apostol-Euler and Apostol-Genocchi polynomials, *Russ. J. Math. Phys.*, 20 (1) (2013), 110-120.
47. **M.A. Özarslan**, A-statistical convergence of Mittag-Leffler operators, *Miscolc Math. Notes*, 14 (1) (2013), 209-217.
48. **M.A. Özarslan** and H. Aktuğlu, Local approximation properties for certain King type operators, *Filomat*, 27 (1) (2013), 173-181.
49. H. Aktuğlu and **M.A. Özarslan**, On the Solvability of Caputo q-Fractional boundary value problem involving p-Laplacian operators, *Abstract and Applied Analysis*, article no: 658617, (2013), 8 pages.
50. **M.A. Özarslan** and H. Aktuğlu, Quantative global estimates for generalized double Szas-Mirakjan operators, *J. Appl. Math.*, article no:613258 (2013), 8 pages.
51. B. Yılmaz and **M.A. Özarslan**, Differential equations for the extended 2D Bernoulli and Euler Polynomials, *Adv. Difference Equ.*, article no: 107 (2013), 16 pages.
52. **M.A. Özarslan**, Hermite-based unified Apostol-Bernoulli, Euler and Genocchi polynomials, *Adv. Difference Equ.*, article no: 116 (2013), 13 pages.
53. **M.A. Özarslan** and M. Bozer, Unified Bernstein and Bleimann-Butzer-Hahn basis and its properties, *Adv. Difference Equ.*, article no: 55 (2013), 14 pages.
54. S. Gaboury, **M.A. Özarslan** and R. Tremblay, Some bilateral generating functions involving the Chan-Chyan-Srivastava polynomials and some general classes of multivariable polynomials, *Commun. Korean Math. Soc.*, 28 (4) (2013), 783-797.
55. T. Vedi, **M.A. Özarslan**: Some Properties of q-Bernstein-Schurer operators, *J. Applied Functional Analysis*, 8 (1) (2013), 45-53 .
56. **M.A. Özarslan**, Some remarks on extended hypergeometric, extended confluent hypergeometric and extended Appell's functions, *J. Comput. Anal. Appl.*, 14 (6) (2012), 1148-1153.

57. Z. Ünal, **M.A. Özarlan** and O. Duman, Approximation properties of real and complex Post-Widder operators based on q -integers, *Miskolc Math. Notes*, 13 (2) (2012), 581-603.
58. **M.A. Özarlan** and H. Aktuğlu, A -statistical approximation of generalized Szász-Mirakjan-Beta operators, *Appl. Math. Lett.*, 24 (11) (2011), 1785-1790.
59. C. Kaanoğlu and **M.A. Özarlan**, New families of generating functions for certain class of three-variable polynomials, *Appl. Math. Comput.*, 218 (3) (2011), 836-842.
60. **M.A. Özarlan**, Some families of generating functions for the extended Srivastava polynomials, *Appl. Math. Comput.*, 218 (3) (2011), 959-964.
61. **M.A. Özarlan**, Unified Apostol-Bernoulli, Euler and Genocchi polynomials, *Comput. Math. Appl.*, 62 (6) (2011), 2452-2462.
62. C. Kaanoğlu and **M.A. Özarlan**, Two-sided generating functions for certain class of r -variable polynomials, *Math. Comput. Modelling*, 54 (1-2) (2011), 625-631.
63. E. Özergin, **M.A. Özarlan** and A. Altın, Extension of gamma, beta and hypergeometric functions, *J. Comput. Appl. Math.*, 235 (16) (2011), 4601-4610.
64. C. Kaanoğlu and **M.A. Özarlan**, Some properties of generalized multiple Hermite polynomials, *J. Comput. Appl. Math.*, 235 (16) (2011), 4878-4887.
65. Nazım I. Mahmudov, **M.A. Özarlan** and P. Sabancıgil, I -approximation properties of certain class of linear positive operators, *Studia Sci. Math. Hungar.*, 48 (2) (2011), 205-219.
66. **M.A. Özarlan** and C. Kaanoğlu, Multilateral generating functions for classes of polynomials
- a. involving multivariable Laguerre polynomials, *J. Comput. Anal. Appl.*, 13 (4) (2011), 683-691.
67. **M.A. Özarlan**, O. Duman and Nazım I. Mahmudov, Local approximation properties of modified Baskakov operators, *Results in Math.*, 59 (1-2) (2011), 1-11.
68. O. Duman and **M.A. Özarlan**, Global approximation results for modified Szász-Mirakjan operators, *Taiwanese J. Math.*, 15 (1) (2011), 75-86.

69. **M.A. Özarşlan**, q -Szász Schurer operators, *Miskolc Math. Notes*, 12 (2) (2011), 225-235.
70. H. Aktuđlu, **M.A. Özarşlan** and O. Duman, Matrix summability methods on the approximation of multivariate q -MKZ operators, *Bull. Malays. Math. Sci. Soc.*, 34 (3) (2011), 465-474.
71. H. Aktuđlu, and **M.A. Özarşlan**, Korovkin type approximation theorem for BBH type operators via I -convergence, *Math. Slovaca*, 60 (6) (2010), 865-876.
72. **M.A. Özarşlan** and E. Özerđin, Some generating relations for extended hypergeometric functions via generalized fractional derivative operator, *Math. Comput. Modelling*, 52 (9-10) (2010), 1825-1833.
73. S. Zorlu, H. Aktuglu and **M.A. Özarşlan**, An estimation to the solution of an initial value problem via q -Bernstein polynomials, *J. Comput. Anal. Appl.*, 12 (3) (2010), 637-645.
74. **M.A. Özarşlan**, E. Özerđin and C. Kaanođlu, Multilateral generating functions for the multiple Laguerre and multiple Hermite polynomials. *J. Comput. Anal. Appl.*, 12 (3) (2010), 667-677.
75. **M.A. Özarşlan**, O. Duman and C. Kaanođlu, Rates of convergence of certain King-type operators for functions with derivative of bounded variation, *Math. Comput. Modelling*, 52 (1-2) (2010), 334-345.
76. H. Karslı and **M.A. Özarşlan**, Direct Local and global approximation results for operators of gamma type., *Hacet. J. Math. Stat.*, 39 (2) (2010), 241-253.
77. **M.A. Özarşlan** and O. Duman, Global approximation properties of modified SMK operators, *Filomat*, 24 (1) (2010), 47-61.
78. O. Duman, **M. A. Özarşlan** and E. Erkuş-Duman, Rates of ideal convergence for approximation operators., *Mediterr. J. Math.*, 7 (1) (2010), 111-121.
79. H.M. Srivastava, **M.A. Özarşlan** and C. Kaanođlu, Some families of generating functions for a certain class of three-variable polynomials, *Integral Transforms Spec. Func.*, 21 (12) (2010), 885-896.
80. H. Aktuđlu, **M.A. Özarşlan**, H. Gezer, A-equistatistical convergence of positive linear operators, *J. Comput. Anal. Appl.*, 12 (1) (2010), 24-36.
81. **M.A. Özarşlan** and O. Duman, Local approximation behavior of modified SMK operators, *Miskolc Mathematical Notes*, 11(1) (2010), 87-99.

82. E. Özergin, **M.A. Özarlan** and H.M. Srivastava, Some families of generating functions for a class of bivariate polynomials, *Math. Comput. Modelling*, 50 (7-8) (2009), 1113-1120.
83. **M.A. Özarlan** and O. Duman, Approximation theorems by Meyer-König and Zeller type operators, *Chaos, Solitons & Fractals.*, 41 (1) (2009), 451-456.
84. **M. A. Özarlan**, I-convergence theorems for a class of k-positive linear operators, *Central a. European Journal of Mathematics*, 7 (2) (2009), 357-362.
85. **M.A. Özarlan**, O. Duman, B. Della Vecchia, Modified Szasz-Mirakjan-Kantorovich operators preserving linear functions, *Turkish J. Math.*, 33 (2) (2009), 151-158.
86. **M.A.Özarlan** and O. Duman, A new approach in obtaining a better estimation in approximation by positive linear operators, *Commun. Fac. Sci. Univ. Ank. Sér. A1 Math. Stat.*, 58 (1) (2009), 17-22.
87. **M.A. Özarlan**, O. Duman and H.M. Srivastava, Statistical approximation results for Kantorovich-type operators involving some special polynomials, *Math. Comput. Modelling*, 48 (3-4) (2008), 388-401.
88. **M.A. Özarlan** and O. Duman, Approximation properties of Poisson integrals for orthogonal expansions, *Taiwanese J. Math.*, 12 (5) (2008), 1147 – 1163.
89. **M. A. Özarlan**, H. Aktuğlu, Local approximation properties of certain class of linear positive operators via I-convergence, *Central European Journal of Mathematics*, 6 (2) (2008), 281-286.
90. **M.A. Özarlan** and O. Duman, Local approximation results for Szasz-Mirakjan type operators, *Archiv Der Math.*, 90 (2) (2008), 144-149.
91. O. Duman, **M.A. Özarlan** and H. Aktuğlu, Better error estimation for Szasz-Mirakjan-Beta operators, *J. Comput. Anal. Appl.*, 10 (1) (2008), 53-59.
92. O. Duman and **M. A. Özarlan**, Szasz-Mirakjan type operators providing a better error estimation, *Applied Math. Letters.*, 20 (12) (2007), 1184-1188.
93. **M. A. Özarlan** and O. Duman, MKZ type operators providing a better estimation on $[1/2,1)$, *Canadian Math. Bull.*, 50 (3) (2007), 434-439.

94. **M.A. Özarıslan**, q-Laguerre type linear positive operators, *Stud. Sci. Math. Hungarica*, 44 (1) (2007), 65-80.
95. A.Altın, E. Erkuş and **M.A. Özarıslan**, Families of linear generating functions for polynomials in two variables, *Integral Transforms and Special Functions*, 17 (5) (2006), 315-320.
96. O. Duman, **M. A. Özarıslan**, O. Dođru, On integral type generalizations of positive linear operators, *Studia Math.* 174 (1) (2006), 1-12.
97. **M. A. Özarıslan**, O. Duman and O. Dođru, A-Statistical convergence for a class of positive linear operators, *Rev. Anal. Numer. Theor. Approx.*, 35 (2) (2006), 161-172.
98. **M. A. Özarıslan**, O. Duman and O. Dođru, Rates of A-statistical convergence of approximating operators, *Calcolo*, 42 (2) (2005), 93-104.
99. **M. A. Özarıslan** and A. Altın, Some families of generating functions for the multiple orthogonal polynomials associated with modified Bessel K- functions, *J. of Math. Anal. Appl.*, 297 (1) (2004), 186-193 .
100. O. Dođru, **M.A. Özarıslan**, F. Taşdelen, On positive operators involving a certain class of generating functions, *Stud. Sci. Math. Hungarica*, 41 (4)(2004), 415-429.

Citation Report (Web of Science)

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Editorial

Guest Editor:

Journal: Fractal and Fractionals,

Special Issue "Fractional Calculus and Special Functions with Applications"(2020)

Prof. Dr. Mehmet Ali Ozarslan
Asst. Prof. Dr. Arran Fernandez
Prof. Dr. Ivan Area
Guest Editors

Reviewer : AMS-Mathematical Reviews

Refereeing

- J. of Math. Anal. Appl. (SCI)
- J. Comput. Appl. Math. (SCI)
- Appl. Math. Lett. (SCI)
- Comput. Math. Appl. (SCI)
- Taiwanese J. Math. (SCI)
- Math.Methods. Appl. Sci. (SCI-Expanded)
- Integral Transforms and Special Functions (SCI-Expanded)
- Math. Inequal. Appl. (SCI-Expanded)
- Central Eur. J. of Math. (SCI-Expanded)
- Bulletin of the Malaysian Mathematical (SCI-Expanded)
- Math. Slovaca (SCI-Expanded)
- Math. Comput. Modelling (SCI-Expanded)
- Studia Sci. Math. Hungar. (SCI-Expanded)
- Positivity (SCI-Expanded)
- Revista de la Real Academia de Ciencias Exactas, Físicas y Naturales. Serie A. Matemáticas(SCI-Expanded)
- Miskolc Math. Notes (SCI-Expanded)
- Information Sciences (SCI-Expanded)
- Appl. Math. Comput (SCI-Expanded)
- Abst. Appl. Anal. (SCI-Expanded)
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- J. of Applied Math. (SCI-Expanded)
- J. of Complex Analysis (SCI-Expanded)
- Indian J. Pure and Appl. Math. (SCI-Expanded)
- Journal of Inequalities and Applications (SCI-Expanded)
- Advances in Difference Eq. (SCI-Expanded)
- Afrika Matematika (AMS-MR)
- Journal of Calculus of Variations (AMS-MR)
- Journal of Inequalities and Special Functions (AMS-MR)

Professional Memberships

- AMS (2005-...)
- World Scientific and Engineering Academy and Society - WSEAS (2006-2010)

Projects

- Type B (Supported by Ministry of National Education and Culture)
Project Title: New Techniques for Finding Generating Function
Principle Investigator: Mehmet Ali Özarslan
Investigator: Emine Özergin (April 2009- 2011)

- Type A (Supported by Eastern Mediterranean University)
Project Title: q-Parametric Positive Linear Operators

Principle Investigator: Nazım Mahmudov
Investigators: Mehmet Ali Özarslan, Pembe Sabancıgil (September 2007- 2009)

- Type B (Supported by Ministry of National Education and Culture)
Project Title: Solution of Initial value problem by q-Meyer-König-Zeller operators
Principle Investigator: Nazım Mahmudov
Investigators: Mehmet Ali Özarslan, Hüseyin Aktuğlu (November 2007- January 2009)

International Contributed Talks

- **M.A. Özarslan**, Approximating Fractional Calculus Operators with General Analytic Kernel by Stancu Variant of Modified Bernstein-Kantorovich Operators, International Conference on Mathematical Analysis and Applications in Science and Engineering – ICMA2SC'22, June 27-29, 2022.

- **M.A. Özarslan**, Δ_n -Gould-Hopper Appell Polynomials, The Mediterranean International Conference of Pure&Applied Mathematics and Related Areas, Evry Paris-France, August 26-29, 2019.(Invited Speaker)

- **M.A. Özarslan**, Jain-Appell Operators and Their Approximation Properties, The Mediterranean International Conference of Pure&Applied Mathematics and Related Areas, Antalya-Turkey, October 26-29, 2018.

- **M.A. Özarslan**, Hermite-based unified Apostol-Bernoulli, Euler and Genocchi Polynomials, 'International Congress in Honour of Professor Hari M. Srivastava', Uludağ University, Bursa-Turkey, August 23-26, 2012.

- **M.A. Özarslan**, B. Yılmaz, A set of Finite Order Differential Equations for the Appell Polynomials, ' International Congress on Computational and Applied Mathematics' – ICCAM 2012, Gent-Belgium, July 09-13, 2012.

- **M.A. Özarslan**, Apostol-Lagrange-Bernoulli and Apostol-Lagrange-Euler polynomials, Intenational Conference on Applied Mathematics and Algebra, İstanbul-Turkey, June 29-July 2, 2011.

- **M. A. Özarslan**, Some Families of Generating Functions for the Extended Srivastava Polynomials, 'International Congress in Honour of Professor H. M. Srivastava on his 70th Birth Anniversary', Bursa-Turkey, August 18-21, 2010.

- A. Altın, O. Dođru and **M. A. Özarıslan**, On the Approximation Properties of Bivariate Bleimann, Butzer and Hahn Operators 'WSEAS VIII. International Conference on Applied Mathematics', Tenerife-Spain, December 16-18, 2005.
- A. Altın, O. Dođru and **M. A. Özarıslan**, Rates of Convergence of Meyer-König and Zeller Operatos Based on q-Integers, 'WSEAS VIII. International Conference on Applied Mathematics', Tenerife-Spain, December 16-18, 2005.
- A. Altın, O. Dođru and **M. A. Özarıslan**, Kantorovich Type Generalization of Positive Linear Operators, 'WSEAS VI. International Conference on Applied Mathematics', Corfu-Greece, August 17-19, 2004.

Courses Taught

| Course Code | Undergraduate | Course Code | Graduate |
|-------------|---|-------------|---|
| MATE 105 | Analysis I | MATH 501 | Analysis |
| MATE 205 | Analysis III | MATH 564 | Special Functions |
| MATE 206 | Analysis IV | MATH 554 | Special Functions by Continued Fractions |
| MATE 301 | Complex Analysis I | MATH 502 | Complex Analysis |
| MATE 302 | Complex Analysis II | MATH 553 | Approximation Properties of Linear Positive Operators |
| MATE 403 | Applied Mathematics | MATH 551 | Selected Topics in Analysis |
| MATH 337 | Theory of Partial Differential Equations | MATH 563 | Selected Topics in Functional Analysis |
| MATE 202 | Differential Equations | MATH576 | Fractional Calculus |
| MATE 491 | Bernstein Polynomials | MATH557 | Functions of Several Variables |
| MATE 217 | Linear Algebra I | MATH653 | Korovkin Type Approximation Theory |
| MATE 218 | Linear Algebra II | MATH670 | Nabla Fractional Calculus |
| MATH 241 | Linear Algebra and Differential Equations | | |
| MATE 303 | Differential Geometry I | | |
| MATE 304 | Differential Geometry II | | |
| MATH 151 | Calculus I | | |
| MATH 152 | Calculus II | | |

| | | | |
|----------|---|--|--|
| MATH337 | Theory of Partial Differential Equation | | |
| MATE 155 | Abstract Mathematics | | |

Administrative Duties in the University

- Dean of Faculty of Arts and Sciences (2017-present)
- Member of University Executive Board (2017-present)
- Senate member (2017-present)
- Member of Administrative Board of Faculty of Arts and Sciences in Eastern Mediterranean University (2010-2011), (2013-present)
- Member of Research Advisory Board. (Representative of Faculty of Art and Sciences) in Eastern Mediterranean University (2010-2017)
- Member of Administrative Board of "Mobile Health Research and Application Center (2014-present).
- Member of Graduate Committee, Department of Mathematics, Eastern Mediterranean University, 2005-2011.
- Member of the Curriculum Committee, Department of Mathematics, Eastern Mediterranean University, 2005-2011.
- Head of Graduate Committee, Department of Mathematics, Eastern Mediterranean University, 2011-2017.

Administrative Duties in the Conferences or Competitions

- Member of Program Committee, "6 th WSEAS International Conference on Applied Mathematics", Corfu, Greece, August, 2004.
- Member of Program Committee, "8 th WSEAS International Conference on Applied Mathematics", Tenerife, Canary Islands, Spain, December, 2005.
- Member of Program Committee, "12 th WSEAS International Conference on Applied Mathematics", Cairo, Egypt, December, 2007.
- Member of the Local Organizing Committee, "Mathematical Analysis, Differential Equations and their Applications", Gazimağusa, KKTC, September, 2008.
- Conference Chair: "International Congress in Honour of Professor Hari M. Srivastava", Uludağ University, Bursa-Turkey, August 23-26, 2012.
- Onay Fadıl Demirciler Mathematics Competition Referee, (2006,present).

Book chapter translation:

Original: Fundamentals of Differential Equations, R.K. Nagle, E.B. Saff, A.D. Snider, Eight edition, Pearson.

Turkish: Diferensiyel Denklemlerin Temelleri,

Çeviri Editörü: Ogün Doğru,

Yayınevi: Nobel yayınevi,

ISBN: 978-605-133-551-3,

Bölüm 9: Lineer Sistemler için Matris Metotları (Mehmet Ali Özarslan)

Awards

- Publication Awards, Eastern Mediterranean University, 2005-...
- TÜBİTAK-UBYT Program (Publication Award), 2004-...