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Education

PHD 15.07.2002	EASTERN MEDITERRANEAN UNIVERSITY MATEMATİK
MS 28.09.1994	EASTERN MEDITERRANEAN UNIVERSITY MATEMATİK
BS 26.06.1992	MATEMATİK

Academic Titles/Tasks

Profesör 01.07.2017	Eastern Mediterranean University MATHEMATICS
Doçent 02.05.2011 01.07.2017	Eastern Mediterranean University MATHEMATICS
Yardımcı Doçent 15.09.2002 02.05.2011	Eastern Mediterranean University MATHEMATICS

Administrative Duties

CHAIRMAN OF STUDENTS HOUSING COMMITTEE IN EARTHQUAKE 21.02.2023 21.02.2024	Eastern Mediterranean University STUDENTS HOUSING COMMITTEE IN EARTHQUAKE
CHAIRMAN OF SCHOLARSHIP EVALUATION COMMISSION 24.09.2020 24.09.2023	Eastern Mediterranean University SCHOLARSHIP EVALUATION COMMISSION
VICE RECTOR 22.06.2020 22.09.2023	Eastern Mediterranean University VICE RECTOR (STUDENT AFFAIRS)

Administrative Duties

EMU - EXAM COMMITTEE MEMBER 22.10.2019 22.10.2020	Eastern Mediterranean University SINAV KOMİSYONU
RECTORS COORDINATOR 27.02.2020 21.06.2020	Eastern Mediterranean University RECTOR OFFICE
FACULTY BOARD REPRESENTATIVE 05.05.2015 29.11.2018	Eastern Mediterranean University FACULTY OF ARTS AND SCIENCES
ACADEMIC AFFAIRS COORDINATOR 28.12.2009 14.10.2014	Eastern Mediterranean University MATHEMATICS
VICE DIRECTOR 14.01.2004 01.03.2006	Eastern Mediterranean University

M.S. Thesis

1. MÜNÜRE PAŞA (2021). Prioritizing Market Segmentation Categories for Assessing Online Consumer Behavior in North Cyprus.[Master Thesis ,Eastern Mediterranian University].
2. GİZEM DAĞBAŞI (2020). Matrix Summability Methods.[Master Thesis ,Eastern Mediterranian University].
3. ERDEM BAYTUNÇ (2018). Convergent Sequences and Statistical Limit Points.[Master Thesis ,Eastern Mediterranian University].
4. SAADIA YOUSUF (2016). A-Statistical Convergence.[Master Thesis ,Eastern Mediterranian University].
5. AYSEL AYGÖREN (2014). Fractional Derivative and Integral.[Master Thesis ,Eastern Mediterranian University].
6. HANDE KUKUL (2014). ?ß- Statistical Convergence.[Master Thesis ,Eastern Mediterranian University].
7. HALİL GEZER (2008). Statistical Convergence.[Master Thesis ,Eastern Mediterranian University].
8. MEHMET KARAY (2005). Fixed Point Theorems and Its Applications.[Master Thesis ,Eastern Mediterranian University].

PhD. Thesis

1. MEHMET SALİH ATAMERT (2025). Generalized Blending Type Operators Based on the Shape Parameter ? .[PhD Thesis ,Eastern Mediterranian University].
2. ERDEM BAYTUNÇ (2024). Generalized Blending Types Bernstein Operators..[PhD Thesis ,Eastern Mediterranian University].
3. SEYED YASHAR ZAHERIANI (2021). Generalized Parametric Blending-type Bernstein Polynomials.[PhD Thesis ,Eastern Mediterranian University].
4. HALİL GEZER (2013). Equistatistical Convergence.[PhD Thesis ,Eastern Mediterranian University].
5. ŞERİFE BEKAR (2011). Q-matrix Summability Methods.[PhD Thesis ,Eastern Mediterranian University].

Published International Journal Articles

1. Hüseyin Aktuğlu;Suzan Cival Buranay.(2026). Approximations of Caputo fractional order derivatives by ?-Bernstein-Kantorovich operators and simulations on real-world datasets. INTERNATIONAL JOURNAL OF COMPUTER MATHEMATICS, -

2. HUSEYİN AKTUGLU;MUSTAFA KARA;ERDEM BAYTUNC;SANER FİDAN.(2025). (?, ?)-Bernstein-Kantorovich operators. DEMONSTRATIO MATHEMATICA, 58(1), -

3. MUSTAFA KARA;Hüseyin Aktuglu;Erdem Baytunç.(2025). Approximation by ?-Baskakov-Kantorovich Operators 3 of 31 Approximation by ?-Baskakov-Kantorovich Operators. MATHEMATICAL METHODS IN THE APPLIED SCIENCES, 48(14), 13552-13562

4. HÜSEYİN AKTUGLU;MUSTAFA KARA;ERDEM BAYTUNC.(2025). Modified Szasz-Kantorovich operators with better approximation. FILOMAT, 39(11), 3833-3850

5. MUSTAFA KARA;Hüseyin Aktuğlu;Erdem Baytunç.(2025). ?-Bernstein-Kantorovich operators. MATHEMATICAL METHODS IN THE APPLIED SCIENCES, 48(1), 1124-1141

6. HUSEYİN AKTUGLU;HALİL GEZER;ERDEM BAYTUNC.(2024). Kantorovich Variant of the Blending Type Bernstein Operators. BULLETIN OF THE IRANIAN MATHEMATICAL SOCIETY, 50(6), -

7. Gezer, Halil;Aktuglu, Huseyin;Baytunc, Erdem;Atamert, Mehmet Salih.(2022). Generalized blending type Bernstein operators based on the shape parameter lambda. JOURNAL OF INEQUALITIES AND APPLICATIONS, 1(1), -. doi: 10.1186/s13660-022-02832-x

8. Aktuglu, Huseyin;Gezer, Halil;Baytunc, Erdem;Atamert, Mehmet Salih.(2022). APPROXIMATION PROPERTIES OF GENERALIZED BLENDING TYPE LOTOTSKY-BERNSTEIN OPERATORS. JOURNAL OF MATHEMATICAL INEQUALITIES, 16(2), 707-728. doi:10.7153/jmi-2022-16-50

9. Aydin, Mustafa;Mahmudov, Nazim I.;Aktuglu, Huseyin;Baytunc, Erdem;Atamert, Mehmet S..(2022). On a study of the representation of solutions of a psi-Caputo fractional differential equations with a single delay. ELECTRONIC RESEARCH ARCHIVE, 30(3), 1016-1034. doi:10.3934/era.2022053

10. Aktuglu, Huseyin;Zaheriani, S. Yashar.(2020). Approximation of Functions by Generalized Parametric Blending-Type Bernstein Operators. IRANIAN JOURNAL OF SCIENCE AND TECHNOLOGY TRANSACTION A-SCIENCE, 44(5), 1495-1504. doi:10.1007/s40995-020-00957-6

11. Aktuglu, Huseyin;Gezer, Halil.(2018). Korovkin Type Approximation Theorems Proved viaWeighted alpha beta-equistatistical Convergence for Bivariate Functions. FILOMAT, 32(18), 6253-6266. doi:10.2298/FIL1818253A

12. HUSEYİN AKTUGLU;MEHMET ALİ ÖZARSLAN.(2016). WEIGHTED ?ß-STATISTICAL CONVERGENCE OF KANTOROVICH-MITTAG-LEFFLER OPERATORS. MATHEMATICA SLOVACA, 66(3), 695-706

13. Aktuglu, Huseyin;Ozarslan, Mehmet Ali.(2016). Anti-periodic BVP for Volterra integro-differential equation of fractional order 1 < alpha <= 2, involving Mittag-Leffler function in the kernel. JOURNAL OF NONLINEAR SCIENCES AND APPLICATIONS, 9(2), 452-460. doi:10.22436/jnsa.009.02.11

14. Ozarslan, Mehmet Ali;Aktuglu, Huseyin.(2015). Korovkin type theorem for non-tensor Balazs type Bleimann, Butzer and Hahn operators. MATHEMATICAL METHODS IN THE APPLIED SCIENCES, 38(9), 1937-1944. doi:10.1002/mma.3204

15. Aktuglu, Huseyin;mehmet ali özarslan.(2014). Korovkin type approximation theorems proved via alpha beta-statistical convergence. JOURNAL OF COMPUTATIONAL AND APPLIED MATHEMATICS, 259(A), 174-181. doi:10.1016/j.cam.2013.05.012

16. Ozarslan, Mehmet Ali;Aktuglu, Huseyin.(2013). Quantitative Global Estimates for Generalized Double Szasz-Mirakjan Operators. JOURNAL OF APPLIED MATHEMATICS, -. doi:10.1155/2013/613258

17. Aktuglu, Huseyin;Ozarslan, Mehmet Ali.(2013). On the Solvability of Caputo q-Fractional Boundary Value Problem Involving p-Laplacian Operator. ABSTRACT AND APPLIED ANALYSIS, -. doi:10.1155/2013/658617

18. Ozarslan, Mehmet Ali;Aktuglu, Huseyin.(2013). Local Approximation Properties for certain King type Operators. FILOMAT, 27(1), 173-181. doi:10.2298/FIL1301173O

Published International Journal Articles

19. Aktuglu, Huseyin;Ozarslan, Mehmet Ali.(2013). Solvability of differential equations of order 2 < alpha <= 3 involving the p-Laplacian operator with boundary conditions. ADVANCES IN DIFFERENCE EQUATIONS, -. doi: 10.1186/1687-1847-2013-358
20. MEHMET ALİ ÖZARSLAN;HUSEYİN AKTUGLU.(2011). A-statistical approximation of generalized Szasz-Mirakjan-Beta operators. APPLIED MATHEMATICS LETTERS, 24(11), 1785-1790
21. Aktuglu, Huseyin;Bekar, Serife.(2011). q-Cesaro matrix and q-statistical convergence. JOURNAL OF COMPUTATIONAL AND APPLIED MATHEMATICS, 235(16, SI), 4717-4723. doi:10.1016/j.cam.2010.08.018
22. Aktuglu, Huseyin;Ozarslan, M. Ali;Duman, Oktay.(2011). Matrix Summability Methods on The Approximation of Multivariate q-MKZ Operators. BULLETIN OF THE MALAYSIAN MATHEMATICAL SCIENCES SOCIETY, 34(3), 465-474
23. Aktuglu, Huseyin;Ozarslan, Mehmet Ali.(2010). Korovkin type approximation theorem for BBH type operators via J-convergence. MATHEMATICA SLOVACA, 60(6), 865-876. doi:10.2478/s12175-010-0053-3
24. Zorlu, Sonuc;Aktuglu, Huseyin;Ozarslan, Mehmet Ali.(2010). AN ESTIMATION TO THE SOLUTION OF AN INITIAL VALUE PROBLEM VIA q-BERNSTEIN POLYNOMIALS. JOURNAL OF COMPUTATIONAL ANALYSIS AND APPLICATIONS, 12(3), 637-645
25. HUSEYİN AKTUGLU;MEHMET ALİ ÖZARSLAN;HALİL GEZER.(2010). A-Equistatistical Convergence of Positive Linear Operators. JOURNAL OF COMPUTATIONAL ANALYSIS AND APPLICATIONS, 12(1), 24-36
26. HUSEYİN AKTUGLU;HALİL GEZER.(2009). Lacunary equi-statistical convergence of positive linear operators. CENTRAL EUROPEAN JOURNAL OF MATHEMATICS, 7(3), 558-567
27. MEHMET ALİ ÖZARSLAN;HUSEYİN AKTUGLU.(2008). Local approximation properties of certain class of linear positive operators via I-convergence. CENTRAL EUROPEAN JOURNAL OF MATHEMATICS, 6(2), 281-286
28. OKTAY DUMAN;MEHMET ALİ ÖZARSLAN;HUSEYİN AKTUGLU.(2008). Better error estimation for Szasz-Mirakjan-Beta operators. JOURNAL OF COMPUTATIONAL ANALYSIS AND APPLICATIONS, 10(1), 53-59
29. ULUG CAPAR;HUSEYİN AKTUGLU.(2001). A new construction of random Colombeau distributions. STATISTICS & PROBABILITY LETTERS, 54(3), 291-299

Published Books/Chapters

1. Ulug Çapar;huseyin aktuglu(2000). Smart Search Results for aktuglu h An overall view of stochastics in Colombeau related algebras 31 of 31 An overall view of stochastics in Colombeau related algebras. Süleyman Üstünel(Ed.),PROGRESS IN PROBABILITY(pp.67-90)., 53

Awards

1. EMU Publication Citation Award (2017)