

Assoc. Prof. ABDULHAMİT KÜÇÜKASLAN

Personal Information

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Address: Ankara Yıldırım Beyazıt Üniversitesi Havacılık ve Uzay Bilimleri Fakültesi Havacılık ve Uzay Mühendisliği Bölümü TR-06050 Etlik Batı Yerleşkesi, Keçiören, Ankara

International Researcher IDs

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Publons / Web Of Science ResearcherID: AAA-4046-2021

ScopusID: 56644670100

Yoksis Researcher ID: 291830

Education Information

Post Doctorate, Czech Republic 2017 - 2018

Doctorate, Ankara University, Fen Bilimleri Enstitüsü, Turkey 2011 - 2015

Postgraduate, Ankara University, Fen Bilimleri Enstitüsü, Turkey 2008 - 2009

Postgraduate, Ankara University, Eğitim Bilimleri Enstitüsü, Turkey 2006 - 2008

Undergraduate, Dicle University, Fen Fakültesi, Matematik, Turkey 2002 - 2006

Foreign Languages

English, C1 Advanced

Dissertations

Doctorate, Genelleştirilmiş kesirli integral operatörlerinin genelleştirilmiş Morrey uzaylarında sınırlılığı, Ankara University, Fen Bilimleri Enstitüsü, 2015

Postgraduate, B-konvolüsyonlar için O'Neil tipi eşitsizlik ve bazı uygulamaları, Ankara University, Fen Bilimleri Enstitüsü, 2009

Research Areas

Science Philosophy, Mathematics, Engineering and Technology

Academic Titles / Tasks

Associate Professor, Ankara Yıldırım Beyazıt University, Havacılık ve Uzay Bilimleri Fakültesi, Havacılık ve Uzay Mühendisliği Bölümü, 2022 - Continues

Assistant Professor, Ankara Yıldırım Beyazıt University, Havacılık ve Uzay Bilimleri Fakültesi, Havacılık ve Uzay

Mühendisliği Bölümü, 2021 - 2022

Assistant Professor, Pamukkale University, Uygulamalı Bilimler Fakültesi, 2018 - 2021

Academic and Administrative Experience

Vice Dean, Ankara Yildirim Beyazit University, Havacılık ve Uzay Bilimleri Fakültesi, 2022 - Continues

Faculty Management Board Member, Ankara Yildirim Beyazit University, Havacılık ve Uzay Bilimleri Fakültesi, Havacılık ve Uzay Mühendisliği Bölümü, 2022 - Continues

Erasmus Program Department Coordinator, Ankara Yildirim Beyazit University, Havacılık ve Uzay Bilimleri Fakültesi, Havacılık ve Uzay Mühendisliği Bölümü, 2022 - Continues

Faculty Board Member, Ankara Yildirim Beyazit University, Havacılık ve Uzay Bilimleri Fakültesi, Havacılık ve Uzay Mühendisliği Bölümü, 2022 - Continues

Head of Department, Pamukkale University, Academy Of Applied Sciences, Department Of Capital Markets, 2020 - 2021

Deputy Director of Junior College, Pamukkale University, Academy Of Applied Sciences, 2020 - 2021

Fakülte Yönetim Kurulu Üyesi, Pamukkale University, Academy Of Applied Sciences, 2019 - 2021

Head of Department, Pamukkale University, Academy Of Applied Sciences, Department Of Capital Markets, 2018 - 2021

Erasmus Program Institutional Coordinator, Pamukkale University, Academy Of Applied Sciences, 2018 - 2021

Deputy Head of Department, Pamukkale University, Academy Of Applied Sciences, Department Of Capital Markets, 2018 - 2021

Courses

Engineering Mathematics, Undergraduate, 2022 - 2023

Engineering Analysis II, Doctorate, 2022 - 2023

Engineering Analysis I, Doctorate, 2023 - 2024

Calculus II, Undergraduate, 2021 - 2022

Matematik - II, Undergraduate, 2020 - 2021

İstatistik - II, Undergraduate, 2020 - 2021

Calculus I, Undergraduate, 2021 - 2022

Differential Equations, Undergraduate, 2021 - 2022

İstatistik - I, Undergraduate, 2020 - 2021

Yöneylem Araştırması, Undergraduate, 2020 - 2021

Matematik - I, Undergraduate, 2020 - 2021

Sayısal Karar Verme Yöntemleri, Undergraduate, 2018 - 2019

Jury Memberships

PhD Thesis Monitoring Committee Member, PhD Thesis Monitoring Committee Member, Kırşehir Ahi Evran Üniversitesi, April, 2022

Published journal articles indexed by SCI, SSCI, and AHCI

I. The Spanne-type result in the vanishing generalized weighted local Morrey spaces

Küçükaslan A.

TBILISI MATHEMATICAL JOURNAL, vol.16, no.4, pp.177-187, 2023 (SCI-Expanded)

II. Generalized Fractional Integrals in the Vanishing Generalized Weighted Local and Global Morrey Spaces

Küçükaslan A.

FILOMAT, vol.37, no.6, pp.1893-1905, 2023 (SCI-Expanded)

- III. **Maximal and Calderón–Zygmund operators on the local variable Morrey–Lorentz spaces and some applications**
Kucukaslan A., Guliyev V., Aykol C., ŞERBETÇİ A.
Applicable Analysis, vol.102, no.2, pp.406-415, 2023 (SCI-Expanded)
- IV. **An extension of the Muckenhoupt–Wheeden theorem to generalized weighted Morrey spaces**
Mustafayev R., Kucukaslan A.
Georgian Mathematical Journal, vol.28, no.4, pp.595-610, 2021 (SCI-Expanded)
- V. **Two-type Estimates for the Boundedness of Generalized Riesz Potential Operator in the Generalized Weighted Local Morrey Space**
Küçükaslan A.
TBILISI MATHEMATICAL JOURNAL, vol.14, no.4, pp.111-134, 2021 (SCI-Expanded)
- VI. **Riesz potential in the local Morrey–Lorentz spaces and some applications**
Guliyev V. S., Kucukaslan A., Aykol C., ŞERBETÇİ A.
Georgian Mathematical Journal, vol.27, no.4, pp.557-567, 2020 (SCI-Expanded)
- VII. **Equivalence of norms of the generalized fractional integral operator and the generalized fractional maximal operator on the generalized weighted Morrey spaces**
Kucukaslan A.
Annals of Functional Analysis, vol.11, no.4, pp.1007-1026, 2020 (SCI-Expanded)
- VIII. **Maximal operator and Calderon–Zygmund operators in local Morrey–Lorentz spaces**
Guliyev V., Aykol C., Kucukaslan A., ŞERBETÇİ A.
Integral Transforms and Special Functions, vol.27, no.11, pp.866-877, 2016 (SCI-Expanded)
- IX. **The boundedness of Hilbert transform in the local Morrey–Lorentz spaces**
Aykol C., Guliyev V., Kucukaslan A., ŞERBETÇİ A.
Integral Transforms and Special Functions, vol.27, no.4, pp.318-330, 2016 (SCI-Expanded)
- X. **Generalized fractional integral operators on generalized local Morrey spaces**
Guliyev V., Ismayilova A., Kucukaslan A., ŞERBETÇİ A.
Journal of Function Spaces, vol.2015, 2015 (SCI-Expanded)

Articles Published in Other Journals

- I. **A note on vanishing generalized weighted local and global Morrey spaces**
KÜÇÜKASLAN A.
CONFERENCE PROCEEDINGS - The 50, 70, 80, ..., ∞ Conference in Mathematics, vol.1, no.1, pp.142-146, 2024 (Peer-Reviewed Journal)
- II. **System of Nonlinear (k, ψ) -Hilfer Fractional Order Hybrid Boundary Value Problems**
Salim A., Küçükaslan A., Alzabut J., Khuddush M.
CONTEMPORARY MATHEMATICS, vol.5, no.3, pp.3434-3461, 2024 (Scopus)
- III. **Existence and κ -Mittag-Leffler-Ulam-Hyers stability results for implicit coupled (κ, ϑ) -fractional differential systems**
Salim A., Derbazi C., Alzabut J., KÜÇÜKASLAN A.
Arab Journal of Basic and Applied Sciences, vol.31, no.1, pp.225-241, 2024 (Scopus)
- IV. **Fractional maximal operator in the local Morrey–Lorentz spaces and some applications**
Aykol Kocakuşaklı C., Guliyev V., Küçükaslan A., Şerbetçi A.
AFRIKA MATEMATIKA, vol.35, no.4, pp.1-11, 2024 (ESCI)
- V. **An Extension of the Adams-type Theorem to Vanishing Generalized Weighted Morrey Spaces**
KÜÇÜKASLAN A.
Turkish Journal of Mathematics and Computer Science, vol.14, no.2, pp.384-390, 2022 (Peer-Reviewed Journal)
- VI. **Generalized Riesz Potential Operator in the Modified Morrey Spaces**
Küçükaslan A.

- Mathematical Methods for Engineering Applications, vol.384, pp.137-146, 2022 (Scopus)
- VII. **Maximal and Fractional maximal operators in the Lorentz-Morrey spaces and their applications to the Bochner-Riesz and Schrödinger-type operators**
KÜÇÜKASLAN A.
Journal of Interdisciplinary Mathematics, vol.25, no.4, pp.963-976, 2022 (ESCI)
- VIII. **Kant'ta Sentetik A Priori'nin Matematiğin Gerçekliğindeki Rolü**
KÜÇÜKASLAN A.
Danışname, vol.1, no.2, pp.1-18, 2021 (Peer-Reviewed Journal)
- IX. **The Two-Type Estimates for The Boundedness of Generalized Fractional Maximal Operator on the Generalized Weighted Local Morrey Spaces**
KÜÇÜKASLAN A.
Turkish Journal of Mathematics and Computer Sciences, vol.12, no.1, pp.57-66, 2020 (Peer-Reviewed Journal)
- X. **Generalized fractional maximal operator on generalized local Morrey spaces**
KÜÇÜKASLAN A., GULIYEV V., SERBETCİ A.
Communications Faculty of Sciences University of Ankara Series A1 Mathematics and Statistics, vol.69, no.1, pp.73-87, 2020 (ESCI)
- XI. **Generalized fractional integral operators on vanishing generalized local Morrey spaces**
KÜÇÜKASLAN A., Hasanov S. G., AYKOL YÜCE C.
International Journal of Mathematical Analysis, vol.11, no.6, pp.277-291, 2017 (Peer-Reviewed Journal)
- XII. **Two-weighted inequality for (p,q) -admissible $B_{k,n}$ -potential operators in weighted Lebesgue spaces**
Gadjieva E. A., Isayev F. A., KÜÇÜKASLAN A.
Transactions of NAS of Azerbaijan, Issue Mathematics, vol.36, no.1, pp.36-53, 2016 (Scopus)

Books & Book Chapters

- I. **Molla Lütüfî'nin Tez'ifül-Mezbah Eserinde Delos Problemine Getirdiği Çözümün Modern Matematik Açısından Bir Değerlendirmesi**
KÜÇÜKASLAN A.
in: Research on Mathematics and Science - IV, Adile Akpınar, Editor, Özgür Publisher, pp.37-42, 2023
- II. **İspat-ı Vacib'te Burhan-ı Tatbik'in Matematik Felsefesi Açısından Analizi**
Küçükaslan A.
in: İsbât-ı Vâcib Tartışmaları - Celâleddin Devvânî Yorumu, Kaynakları ve Günümüze Yansımaları, Hatice Toksöz, Editor, Fecr Yayınları, Ankara, pp.207-224, 2022

Refereed Congress / Symposium Publications in Proceedings

- I. **Existence and Ulam Stability Results of Tempered (κ, ψ) -Hilfer Fractional Differential Problems in Banach Spaces**
Salim A., Alzabut J., Küçükaslan A.
International Conference Mathematics and Mathematics Education, Nevşehir, Turkey, 3 - 05 October 2024
- II. **Superposition of $(X, X; 1, 1, \infty)$ -admissible quasilinear Hardy-Littlewood maximal operator on generalized Morrey-Banach Spaces**
Küçükaslan A.
International Conference on Mathematics and Mathematics Education, Nevşehir, Turkey, 3 - 05 October 2024
- III. **Açık Kaynak Kodlu HAD Çözücüsü Kullanılarak Farklı Füze Konfigürasyonlarının Aerodinamik Doğrulanması**
Durmuş O., Yıldırım C., KÜÇÜKASLAN A.
X. Ulusal Havacılık ve Uzay Konferansı, Ankara, Turkey, 18 - 20 September 2024

- IV. **(X, Y; Φ , r, s)-admissible quasilinear operators on generalized Morrey-Banach Spaces**
Küçükaslan A.
Approximation Theory and Special Functions ATSF 2024 Conference - 8th Series, Ankara, Turkey, 4 - 07 September 2024
- V. **Generalized Fractional Integral in the Vanishing Generalized Weighted Local and Global Morrey Spaces**
Küçükaslan A.
The 50, 70, 80, ... Conference in Mathematics, Karlstad, Sweden, 19 - 23 August 2024
- VI. **Euclid Noktasının Fizik ve Metafizik İlkeleri**
Küçükaslan A.
XIV. Mantık Çalıştayı, Bayburt, Turkey, 23 - 25 May 2024
- VII. **Fractional maximal operator in the local Morrey-Lorentz spaces and some applications**
KÜÇÜKASLAN A.
7th International HYBRID Conference on Mathematical Advances and Applications (ICOMAA 2024), İstanbul, Turkey, 8 - 11 May 2024
- VIII. **Two-Weighted Inequalities for Some Classical Operators and Their Commutators in the Modified Morrey Spaces**
KÜÇÜKASLAN A.
6th INTERNATIONAL CONFERENCE on MATHEMATICAL ADVANCES and APPLICATIONS (ICOMAA2023), İstanbul, Turkey, 10 - 13 May 2023
- IX. **Weighted Inequalities for Some Classical Operators and Their Commutators in the Weighted Modified Morrey Spaces**
Küçükaslan A.
3RD INTERNATIONAL CONFERENCE ON ENGINEERING AND APPLIED NATURAL SCIENCES, Konya, Turkey, 14 January 2023
- X. **Generalized fractional integrals in the vanishing generalized weighted Morrey spaces**
Küçükaslan A.
International Conference on Mathematics and Mathematics Education, Denizli, Turkey, 22 - 24 September 2022
- XI. **Molla Lütfi'nin Tez'îfü'l-Mezbah Eserinde Delos Problemine Getirdiği Çözüm ve Bunun Modern Matematik Açısından Değerlendirilmesi**
Küçükaslan A.
5. Tokat Sempozyumu, Tokat, Turkey, 14 - 16 October 2022
- XII. **Molla Lütfi'nin Tez'îfü'l-Mezbah Eserinde Delos Problemine Getirdiği Çözüm ve Bunun Modern Matematik Açısından Değerlendirilmesi**
KÜÇÜKASLAN A.
5. Tokat Sempozyumu, Tokat, Turkey, 12 October 2022, pp.9-10
- XIII. **Spanne and Adams type Results in the Vanishing Generalized Weighted Local Morrey Spaces**
KÜÇÜKASLAN A.
International Conference on Mathematics and Mathematics Education, Denizli, Turkey, 22 - 24 September 2022, vol.1, pp.47-48
- XIV. **Definition of (X,Y; ϕ ,r,s)-Admissible Quasilinear Operators on the Generalized Morrey-type Spaces Modelled on Banach Function Spaces**
KÜÇÜKASLAN A.
ICOMAA 2022, İstanbul, Turkey, 11 - 13 May 2022, vol.1, pp.28
- XV. **Generalized Riesz Potential Operator in the Modified Morrey Spaces**
KÜÇÜKASLAN A.
2nd International Conference on Mathematics and its Applications in Science and Engineering, ICMASE 2021, Salamanca, Spain, 1 - 02 July 2021, vol.384, pp.137-146
- XVI. **Spanne-type Result for the Generalized Fractional Maximal Operator in the Vanishing Generalized Weighted Local Morrey Spaces**
KÜÇÜKASLAN A.

- International Conference on Mathematics and Mathematics Educaiton, Ankara, Turkey, 16 - 18 September 2021
- XVII. **An Extension of the Adams-type Theorem to Vanishing Generalized Weighted Morrey Spaces**
KÜÇÜKASLAN A.
International Conference on Mathematics and Mathematics Educaiton, Ankara, Turkey, 16 - 18 September 2021
- XVIII. **İspat-ı Vacip'te Burhan-ı Tatbik'in Matematik Felsefesi Açısından Analizi**
KÜÇÜKASLAN A.
TÜBİTAK 1001-Celaledin Devvani'nin İspat-ı Vacip Yorumunun Günümüz İnanç Problemlerine Katkısı, Isparta, Turkey, 13 September 2021
- XIX. **Generalized Riesz potential operator in the modified Morrey spaces**
KÜÇÜKASLAN A.
II. International Conference on Mathematics and its Applications in Science and Engineering, Salamanca, Mexico, 1 - 02 July 2021
- XX. **An extention theorem of Muckenhoupt-Wheeden to generalized weighted Morrey spaces**
KÜÇÜKASLAN A.
Operators in General Morrey-Type Spaces and Applications, Kütahya, Turkey, 16 - 20 July 2019
- XXI. **Generalized fractional integral operators on vanishing generalized local Morrey spaces**
KÜÇÜKASLAN A.
International Conference on Mathematics and Mathematics Educaiton, Konya, Turkey, 11 - 13 July 2019
- XXII. **Riesz potential and fractional maximal operators in the local Morrey-Lorentz spaces**
KÜÇÜKASLAN A.
International Conference on Mathematical Studies and Applications 2018, Karaman, Turkey, 4 - 06 October 2018
- XXIII. **Evrende Altın Oran ve Matematik**
KÜÇÜKASLAN A.
Konferans, Denizli, Turkey, 21 February 2019
- XXIV. **Generalized fractional integral operators on Morrey type spaces**
KÜÇÜKASLAN A.
International Conference on Operators in Morrey-Type Spaces and Applications, Kırşehir, Turkey, 10 - 13 July 2017
- XXV. **Integral Operators of Harmonic Analysis in Local Morrey-Lorentz Spaces**
KÜÇÜKASLAN A.
Mini-courses in Mathematical Analysis, PADOVA, Italy, 2 - 06 July 2018
- XXVI. **The boundedness of Hilbert transform in the local Morrey-Lorentz spaces**
KÜÇÜKASLAN A.
International Prague Seminar on Function Spaces, PRAG, Czech Republic, 13 June 2018
- XXVII. **Riesz potential in the local Morrey-Lorentz spaces and some applications**
KÜÇÜKASLAN A.
11th International Conference Nonlinear Analysis, Function Spaces and Applications, PRAG, Czech Republic, 9 - 14 July 2018
- XXVIII. **An extension of Muckenhoupt-Wheeden theorem to generalized weighted Morrey spaces**
KÜÇÜKASLAN A.
International Conference on Mathematical Studies and Applications 2018, Karaman, Turkey, 4 October - 04 June 2018
- XXIX. **Maximal operator and Calderon-Zygmund operators in local Morrey-Lorentz spaces**
KÜÇÜKASLAN A.
International Conference on Analysis and Its Applications, Kırşehir, Turkey, 12 August 2016 - 15 August 0206
- XXX. **The boundedness of Hilbert transform in the local Morrey-Lorentz spaces**
KÜÇÜKASLAN A.
International Conference on Mathematics and Mathematics Educaiton, Şanlıurfa, Turkey, 11 - 13 May 2017
- XXXI. **Philosophy of the point**
KÜÇÜKASLAN A.
International Conference on Mathematics and Mathematics Educaiton, Şanlıurfa, Turkey, 11 - 13 May 2017

- XXXII. **Noktanın Felsefesi**
KÜÇÜKASLAN A.
12. Ankara Matematik Günleri Sempozyumu, Ankara, Turkey, 25 - 26 May 2017
- XXXIII. **Genelleştirilmiş Morrey uzaylarında genelleştirilmiş kesirli integral operatörlerinin sınırlılığı**
KÜÇÜKASLAN A.
11. Ankara Matematik Günleri Sempozyumu, Ankara, Turkey, 26 - 27 May 2016
- XXXIV. **Generalized Fractional Integral Operators on Generalized Local Morrey Spaces**
KÜÇÜKASLAN A.
Mathematical Analysis Differential Equations and Their Applications, Baku, Azerbaijan, 8 - 13 September 2015
- XXXV. **Genelleştirilmiş kesirli integral operatörlerin Morrey uzaylarında sınırlılığı**
Küçükaslan A.
Matematikçiler Derneği 14. Matematik Sempozyumu, Niğde, Turkey, 14 - 16 May 2015
- XXXVI. **Generalized fractional maximal operator on generalized local Morrey spaces**
KÜÇÜKASLAN A.
International Conference on Pure and Applied Mathematics, Van, Turkey, 25 - 28 August 2015

Supported Projects

- Küçükaslan A., Foundation, Aviyonik Uygulamalar için Yenilikçi Termoelektrik Soğutucuların Geliştirilmesi - TUSAŞ Türk Havacılık ve Uzay Sanayii A.Ş., 2022 - 2024
- Küçükaslan A., Sevimli B., TUBITAK Project, Sürü İHA'lar ile Koreogrefi, 2022 - 2023
- Küçükaslan A., Çelik E., Foundation, Açık Kaynak Tabanlı Temel HAD Çözücüsü Geliştirme - TUSAŞ Türk Havacılık ve Uzay Sanayii A.Ş., 2022 - 2023
- Küçükaslan A., Çelik E., Foundation, Hava Aracı Elektromanyetik Gereksinimlerine Uygun Şeffaf Teknolojilerinin Kazanılması - TUSAŞ Türk Havacılık ve Uzay Sanayii A.Ş., 2022 - 2023
- Küçükaslan A., Çelik E., Foundation, Hava Kanalı İçin Düşük Görünürlük Özelliği Sağlayan Set Geliştirilmesi (HAVSET) - TUSAŞ Türk Havacılık ve Uzay Sanayii A.Ş., 2022 - 2023
- Küçükaslan A., Foundation, Termal İletkenliği Yüksek Partikül Katkılı Kompozit Üretimi, Fiziksel ve Mekanik Özelliklerinin Analizi - TUSAŞ Türk Havacılık ve Uzay Sanayii A.Ş., 2021 - 2023
- Küçükaslan A., Foundation, Açık Kaynak Tabanlı Temel HAD Çözücüsü Geliştirme - TUSAŞ Türk Havacılık ve Uzay Sanayii A.Ş., 2021 - 2023
- Küçükaslan A., TUBITAK Project, Admissible quasilinear operators on the generalized Morrey-type spaces modelled on the Banach Function Spaces, 2019 - 2019
- Küçükaslan A., Project Supported by Higher Education Institutions, Riesz potential and fractional maximal operator in the local Morrey-Lorentz spaces, 2018 - 2018
- Küçükaslan A., TUBITAK Project, Equivalence of norms of the generalized fractional fractional integral operator and the generalized fractional maximal operator on generalized weighted Morrey spaces, 2017 - 2018

Activities in Scientific Journals

- Turkish Journal of Mathematics and Computer Sciences, Editor, 2018 - Continues
- Advanced Studies: Euro-Tbilisi Mathematical Journal, Special Issue Editor, 2022 - 2023

Memberships / Tasks in Scientific Organizations

- American Mathematical Society, Member, 2018 - Continues, United States Of America

Scientific Consultations

TAI-Turkish Aerospace Industries, Scientific Consultancy, Ankara Yildirim Beyazit University, Havacılık ve Uzay Bilimleri Fakültesi, Havacılık ve Uzay Mühendisliği Bölümü, Turkey, 2022 - 2024

Metrics

Publication: 60
Citation (WoS): 59
Citation (Scopus): 70
H-Index (WoS): 5
H-Index (Scopus): 5

Scholarships

Sabatical, TUBITAK, 2022 - 2022
Sabatical, TUBITAK, 2019 - 2019
Post-Doc Researcher, TUBITAK, 2017 - 2018

Awards

Küçükaslan A., Matematik Bölüm Birinciliği, Dicle Üniversitesi, June 2006
Küçükaslan A., ÖSYM SAY Türkiye 679. luğu, Ösym, July 2000
Küçükaslan A., ÖSYM EA Türkiye 641. liği, Ösym, July 2000