Asst. Prof. Rüya ÜSTER GÜNDÜZ

Personal Information

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International Researcher IDs
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Publons / Web Of Science ResearcherID: AAE-5622-2020
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Education Information

Post Doctorate, Valencia University, Department of Mathematics, Mathematics, Spain 2021 - 2022
Doctorate, Istanbul University, Institute of Graduate Studies In Sciences, Analiz Ve Fonksiyonlar Teorisi, Turkey 2015 - 2019
Postgraduate, Ankara University, Fen Fakültesi, Matematik Bölümü, Turkey 2012 - 2015
Undergraduate, Ankara University, Fen Fakültesi, Matematik, Turkey 2008 - 2012

Foreign Languages

Spanish, A2 Elementary
German, A1 Beginner
English, B2 Upper Intermediate

Certificates, Courses and Trainings

Measurement and Evaluation, Eğiticilerin Eğitimi, Hacettepe Üniversitesi, 2022
Measurement and Evaluation, Eğitimde Ölçme-Değerlendirme İlkelerine Uygun Sınav Hazırlama Yöntemleri, İstanbul Üniversitesi Sürekli Eğitim Uygulama ve Araştırma Merkezi, 2021
Education Management and Planning, Pedagojik Formasyon, Ankara Üniversitesi, 2012

Dissertations

Doctorate, Orlicz uzaylarının bazı homolojik özellikleri, Istanbul University, Faculty Of Science, Department of Mathematics, 2019
Postgraduate, Sınırlı salınmlı fonksiyonlara Bernstein tipli polinomlar yardımıyla yaklaşım, Ankara University, Faculty Of Scıence, Department Of Mathematıcs, 2015

Research Areas

Mathematics, Functional Analysis, Fourier Analysis, Abstract Harmonic Analysis, Natural Sciences

Academic Titles / Tasks

Assistant Professor, Istanbul University, Faculty of Science, Department of Mathematics, 2023 - Continues

Courses

Lineer Cebir II, Undergraduate, 2022 - 2023
Mathematics, Undergraduate, 2023 - 2024
Integral Calculus, Undergraduate, 2023 - 2024
ÖZEL ÖĞRETİM YÖNTEMLERİ, Undergraduate, 2022 - 2023
Öklidyen Olmayan Geometriler II, Undergraduate, 2022 - 2023
Mathematics I, Undergraduate, 2023 - 2024

Published journal articles indexed by SCI, SSCI, and AHCI

I. **Pseudo-differential calculi and entropy estimates with Orlicz modulation spaces**
Gumber A., Rana N., Toft J., ÜSTER R.
Journal of Functional Analysis, vol.286, no.3, 2024 (SCI-Expanded)

II. **Transference and Restriction of Bilinear Fourier Multipliers on Orlicz Spaces**
Blasco O., Üster Gündüz R.
MEDITERRANEAN JOURNAL OF MATHEMATICS, vol.21, pp.1-21, 2024 (SCI-Expanded)

III. **Linear and bilinear Fourier multipliers on Orlicz modulation spaces**
Blasco O., Öztop S., Üster R.
Monatshefte fur Mathematik, 2024 (SCI-Expanded)

IV. **Transference and restriction of Fourier multipliers on Orlicz spaces**
Blasco O., ÜSTER R.
Mathematische Nachrichten, vol.296, no.12, pp.5400-5425, 2023 (SCI-Expanded)

V. **A criterion for nonzero multiplier for Orlicz spaces of an affine group R + × R**
Üster R.
HACETTEPE JOURNAL OF MATHEMATICS AND STATISTICS, vol.52, no.5, pp.1198-1205, 2023 (SCI-Expanded)

VI. **Pseudo-differential operators on Orlicz modulation spaces**
Toft J., ÜSTER R.
JOURNAL OF PSEUDO-DIFFERENTIAL OPERATORS AND APPLICATIONS, vol.14, no.1, 2023 (SCI-Expanded)

VII. **Bilinear multipliers on weighted Orlicz spaces**
ÜSTER R.
Georgian Mathematical Journal, 2023 (SCI-Expanded)

VIII. **Continuity properties and Bargmann mappings of quasi-Banach Orlicz modulation spaces**
Toft J., Uster R., Morsalfard E. N., Oztop S.
FORUM MATHEMATICUM, vol.34, no.5, pp.1205-1232, 2022 (SCI-Expanded)

IX. **Multipliers for the Weighted Orlicz Spaces of a Locally Compact Abelian Group**
Uster R.
RESULTS IN MATHEMATICS, vol.76, no.4, 2021 (SCI-Expanded)

X. **Invariant Subsets and Homological Properties of Orlicz Modules over Group Algebras**
ÜSTER R., Oztop S.
TAIWANESE JOURNAL OF MATHEMATICS, vol.24, no.4, pp.959-973, 2020 (SCI-Expanded)

XI. **Characterizations of a class of Pilipovic spaces by powers of harmonic oscillator**
Abdeljawad A., Fernandez C., Galbis A., Toft J., ÜSTER R.
REVISTA DE LA REAL ACADEMIA DE CIENCIAS EXACTAS FISICAS Y NATURALES SERIE A-MATEMATICAS, vol.114, no.3, 2020 (SCI-Expanded)

Articles Published in Other Journals

I. **Affine mappings and multipliers for weighted Orlicz spaces over an affine group R + × R**
Üster R.
COMMUNICATIONS FACULTY OF SCIENCES UNIVERSITY OF ANKARA-SERIES A1 MATHEMATICS AND STATISTICS, vol.1, pp.1, 2023 (ESCI)

II. **Notes on multipliers on weighted Orlicz spaces**
ARIS B., ÜSTER GÜNDÜZ R.
Istanbul Journal of Mathematics, vol.1, no.1, pp.20-27, 2023 (Peer-Reviewed Journal)

III. **ON THE RATE OF CONVERGENCE OF THE STANCU TYPE BERNSTEIN OPERATORS FOR FUNCTIONS OF BOUNDED VARIATION**
Üster R., İbikli E.
Mathematical Sciences and Applications E-Notes , vol.3, no.1, pp.126-136, 2015 (Peer-Reviewed Journal)

Books & Book Chapters

I. **Orlicz Uzaylarının Teorisi ve Uygulamaları**
Öztop Kaptanoğlu S., Osançlıol A., Üster Gündüz R., Arıs B., Başar E., Uysal B. H., Yaşar Ş., Uçar S.
Istanbul University Press, İstanbul, 2023

Refereed Congress / Symposium Publications in Proceedings

I. **Orlicz Uzaylarında Fourier C¸ arpanları ve Kısıtlamalar**
Üster R.
34. Ulusal Matematik Sempozyumu, İzmir, Turkey, 31 August - 03 September 2022, pp.61

II. **Convoluters of weighted Orlicz spaces over a locally compact abelian group**
Üster R.
Time - frequency representations for function spaces, TIFREFUS, Novi-Sad, Serbia, 11 - 13 April 2022, pp.21

III. **Quasi Orlicz Uzaylarında Konvolüsyon İşleminin Sürekliliği**
ÜSTER R.
33. ULUSAL MATEMATİK SEMPOZYUMU, İstanbul, Turkey, 31 August - 03 September 2021, pp.33

IV. **Gabor Analysis of Quasi Orlicz Modulation Spaces**
Üster R.
International Workshop on Operator Theory and its Applications (IWOTA 2021), California, United States Of America, 9 - 13 August 2021, pp.35-36

V. **Convolution estimates for quasi-Orlicz spaces**
ÜSTER R.
13th International ISAAC Congress, Ghent, Belgium, 2 - 06 August 2021, pp.103

VI. **Compact Multipliers on Orlicz Spaces**
ÜSTER R.
International Workshop on Harmonic Analysis and Operator Theory (WHO-2019), İstanbul, Turkey, 26 - 29 August 2019, pp.35

VII. **Affine mappings in Orlicz space**
ÜSTER R.
1st International Symposium on Graduate Research in Science, İstanbul, Turkey, 4 - 06 October 2018

VIII. **Orlicz Uzaylarının Kapalı, Konveks, Invaryant Alt Kümeleri**
ÜSTER R.
UMS2018 - 31. Ulusal Matematik Sempozyumu, Erzincan, Turkey, 12 - 15 September 2018

IX. **Projectivity and Injectivity of Orlicz Spaces**

ÜSTER R.
Modern Methods, Problems and Applications of Operator Theory and Harmonic Analysis VIII, (OTHA-2018), Rostov on Don, Russia, 22 - 27 April 2018

X. **on the rate of convergence of the stancu type bernstein operators for functions of bounded variation**
ÜSTER R., İBİKLİ E.
INTERNATIONAL EURASIAN CONFERENCE ON MATHEMATICAL SCIENCES AND APPLICATIONS, Viyana, Austria, 25 - 28 August 2014

Supported Projects

Öztop Kaptanoğlu S., Arıs B., Üster R., TUBITAK Project, Lokal Kompakt Grup Üzerinde Tanımlı Wiener Tipli Orlicz Uzayları, 2023 - 2024
ÖZTOP KAPTANOĞLU S., ÜSTER R., Project Supported by Higher Education Institutions, Orlicz Uzaylarının Bazı Homolojik Özellikleri, 2018 - 2021

Activities in Scientific Journals

Istanbul Journal of Mathematics, Assistant Editor/Section Editor, 2023 - Continues

Memberships / Tasks in Scientific Organizations

Türk Matematik Derneği, Member, 2022 - Continues, Turkey
International Society for Analysis, its Applications and Computation (ISAAC), Member, 2019 - Continues

Scientific Refereeing

HACETTEPE JOURNAL OF MATHEMATICS AND STATISTICS, Journal Indexed in SCI-E, November 2023
HACETTEPE JOURNAL OF MATHEMATICS AND STATISTICS, Journal Indexed in SCI-E, April 2023
HACETTEPE JOURNAL OF MATHEMATICS AND STATISTICS, Journal Indexed in SCI-E, March 2022
DÜZCE ÜNİVERSİTESİ BİLİM VE TEKNOLOJİ DERGİSİ, National Scientific Refreed Journal, January 2021
HACETTEPE JOURNAL OF MATHEMATICS AND STATISTICS, Journal Indexed in SCI-E, November 2020
JOURNAL OF MATHEMATICS, Journal Indexed in SCI-E, May 2020
HACETTEPE JOURNAL OF MATHEMATICS AND STATISTICS, Journal Indexed in SCI-E, February 2020

Tasks In Event Organizations

Üster R., Uysal B. H., ARIS B., 33. Ulusal Matematik Sempozyumu, Scientific Congress, İstanbul, Turkey, Eylül 2021
Üster R., UYSAL B. H., ARIS B., International Workshop on Harmonic Analysis and Operator Theory 2019, Workshop Organization, İstanbul, Turkey, Ağustos 2019

Metrics

Publication: 25
Citation (WoS): 13
Citation (Scopus): 17

H-Index (WoS): 3
H-Index (Scopus): 3

Congress and Symposium Activities

Time - frequency representations for function spaces, Attendee, Novi-Sad, Serbia, 2022
33. ULUSAL MATEMATİK SEMPOZYUMU, Invited Speaker, İstanbul, Turkey, 2021
International Workshop on Operator Theory and its Applications (IWOTA 2021), Attendee, California, United States Of America, 2021
13th International ISAAC Congress, Attendee, Ghent, Belgium, 2021
International Workshop on Harmonic Analysis and Operator Theory (WHO-2019), Attendee, İstanbul, Turkey, 2019
Workshop on pure and applied mathematics, https://lnu.se/mot-linneuniversitetet/aktuellt/kalender/2019/matematik-workshop-190522/, Attendee, Vaxjö, Sweden, 2019
Bilkent University Analysis Seminars, Attendee, Ankara, Turkey, 2019
1st International Symposium on Graduate Research in Science, Attendee, İstanbul, Turkey, 2018
31. Ulusal Matematik Sempozyumu, Attendee, Erzincan, Turkey, 2018
Modern Methods, Problems and Applications of Operator Theory and Harmonic Analysis VIII, (OTHA-2018), Attendee, Rostov, Russia, 2018
III. ULUSLARARASI AVRASYA MATEMATİK BİLİMLERİ VE UYGULAMALARI KONFERANSI VİYANA-AVUSTURYA, Attendee, Viyana, Austria, 2014

Scholarships

2219 Yurtdışı Doktora Sonrası Araştırma Burs Programı(12ay) University of Valencia, İspanya, TUBITAK, 2021 - 2022
Tez Projesi, University, 2018 - 2020
Tinçel Kültür Vakfı yurt dışı bursu ile Vaxjö – İsveç' de bulunan Linneaus Üniversitesi' nde Akademik çalışma (6Ay), Foundation, 2019 - 2019