

Personal Information

Email: elcim.kirimli@acibadem.edu.tr

Web: <https://avesis.acibadem.edu.tr/elcim.kirimli>

International Researcher IDs

ORCID: 0000-0001-7278-6792

Publons / Web Of Science ResearcherID: AAE-5596-2020

ScopusID: 50123456789

Biography

Elçim Elgün Kırımlı 2004 yılında Boğaziçi Üniversitesi Matematik Bölümünden mezun olmuştur. Boğaziçi Üniversitesi Matematik Bölümünde yüksek lisansa devam etmiş ve 2007 yılında Düzgün sürekli yarı grup kompaktlamaları üzerine tezini sunarak, mezun olmuştur. Doktorasını Ontario, Kanada'da Waterloo Üniversitesinde Değişmeli grupların Eberlein kompaktlamaları üzerine yapmıştır. Fonksiyonel analizin bir alt dalı olan Yarıgrup kompaktlamaları cebirsel ve harmonik analiz tekniklerini bir araya getiren teorik bir alandır. 2018 yılından beri fonksiyonel analizdeki deneyimini makine öğrenmesi ve istatistik teknikleri ile birleştirerek biyomedikal uygulamaları üzerine optimizasyon çalışmaktadır.

Education Information

Post Doctorate, Lakehead University, Fen Fakültesi, Matematik ve İstatistik, Canada 2013 - 2015

Doctorate, University of Waterloo, Matematik Fakültesi, Teorik Matematik, Canada 2007 - 2013

Postgraduate, Bogazici University, Faculty Of Arts And Sciences, Department Of Mathematics, Turkey 2004 - 2007

Undergraduate, Bogazici University, Faculty Of Arts And Sciences, Department Of Mathematics, Turkey 2000 - 2004

Foreign Languages

German, B1 Intermediate

English, C2 Mastery

Certificates, Courses and Trainings

Data Analysis, Building Deep learning Models with TensorFlow, IBM, 2021

Data Analysis, Introduction to Deep Learning and Neural Networks with Keras, IBM, 2020

Data Analysis, Deep Neural Networks with PyTorch, IBM, 2020

Data Analysis, Scalable Machine Learning on Big Data using Apache Spark, IBM, 2020

Data Analysis, Machine Learning with Python, IBM, 2019

Education Management and Planning, Certificate of University Teaching, University of Waterloo, 2010

Dissertations

Doctorate, Eberlein Compactification of Locally compact groups, University of Waterloo, Faculty of Mathematics, Pure Mathematics, 2013

Postgraduate, Local Topological Properties of LUC Compactification of Locally compact groups, Bogazici University, Institute Of Science, Matematik, 2007

Research Areas

Computer Science, Functional Analysis, Group Theory and Generalizations, Statistics, Optimization, Abstract Harmonic Analysis, Statistical Analysis and Applications

Academic Titles / Tasks

Assistant Professor, Acibadem Mehmet Ali Aydinlar University, Faculty Of Engineering and Natural Sciences, Basic Sciences, 2021 - Continues

Assistant Professor, Istanbul University, Faculty Of Science, Department Of Mathematics, 2018 - 2021

Lecturer, Bogazici University, Faculty Of Arts And Sciences, Department Of Mathematics, 2016 - 2016

Researcher, Lakehead University, Faculty of Sciences, Mathematics, 2013 - 2015

Academic and Administrative Experience

Head of Department, Acibadem Mehmet Ali Aydinlar University, Faculty Of Engineering and Natural Sciences, Basic Sciences, 2024 - Continues

Faculty Management Board Member, Acibadem Mehmet Ali Aydinlar University, Faculty Of Engineering and Natural Sciences, Basic Sciences, 2024 - Continues

Eğitim ve Müfredat Kurulu üyesi, Acibadem Mehmet Ali Aydinlar University, Faculty Of Engineering and Natural Sciences, 2022 - Continues

Eğitim ve Müfredat Kurulu üyesi, Acibadem Mehmet Ali Aydinlar University, Faculty Of Engineering and Natural Sciences, Biomedical Engineering, 2021 - Continues

Erasmus Program Department Coordinator, Istanbul University, Faculty Of Science, Department Of Mathematics, 2020 - 2021

Courses

Doctorate

Tıp Bilimleri için İleri Matematik, Doctorate, 2024 - 2025

Advanced Mathematics for Medical Sciences, Doctorate, 2024 - 2025, 2023 - 2024, 2022 - 2023, 2021 - 2022

Postgraduate

Tıp Bilimleri için Temel Matematik, Postgraduate, 2024 - 2025

Basic Mathematics for Medical Sciences, Postgraduate, 2024 - 2025, 2023 - 2024, 2022 - 2023, 2021 - 2022

Undergraduate

Probability and Biostatistics, Undergraduate, 2023 - 2024

Calculus II, Undergraduate, 2023 - 2024, 2022 - 2023, 2021 - 2022

Mathematics II, Undergraduate, 2023 - 2024, 2022 - 2023

Senior Design II, Undergraduate, 2023 - 2024, 2022 - 2023

Mathematics I, Undergraduate, 2023 - 2024, 2022 - 2023

Senior Design I, Undergraduate, 2023 - 2024, 2022 - 2023

Calculus I, Undergraduate, 2023 - 2024, 2022 - 2023, 2021 - 2022

Differential Equations, Undergraduate, 2020 - 2021

Jury Memberships

Post Graduate, Post Graduate, Acibadem Mehmet Ali Aydınlar Üniversitesi, December, 2024

PhD Thesis Monitoring Committee Member, PhD Thesis Monitoring Committee Member, Acibadem Mehmet Ali Aydınlar Üniversitesi, January, 2024

PhD Thesis Monitoring Committee Member, PhD Thesis Monitoring Committee Member, Acibadem Mehmet Ali Aydınlar Üniversitesi, January, 2024

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **An Investigation Into the Impact of Impedance Measurement Parameters on the Limit of Detection of QCM-D Using Machine Learning Model Chaining**
KIRIMLI C. E., KIRIMLI E. E., Yuksel M. M., Tugtag S. Y.
IEEE SENSORS JOURNAL, vol.25, no.3, pp.5688-5696, 2025 (SCI-Expanded)
- II. **Awareness and level of digital literacy among students receiving health-based education**
Aydınlar A., Mavi A., Kütükçü E., KIRIMLI E. E., ALİS D. C., AKIN A., ALTINTAŞ L.
BMC Medical Education, vol.24, no.1, 2024 (SCI-Expanded)
- III. **Small world properties of schizophrenia and OCD patients derived from fNIRS based functional brain network connectivity metrics**
AKIN A., Yorgancıgil E., Öztürk O. C., SÜTÇÜBAŞI B., KIRIMLI C. E., Elgün Kırımlı E. E., DUMLU S. N., YUKSELEN G., ERDOĞAN S. B.
SCIENTIFIC REPORTS, vol.14, no.1, 2024 (SCI-Expanded)
- IV. **Structure of the Eberlein compactification of locally compact Heisenberg type group $Z_x T_x T$**
Elgun E. E.
SEMIGROUP FORUM, vol.99, no.2, pp.233-244, 2019 (SCI-Expanded)
- V. **West semigroups as compactifications of locally compact abelian groups**
Elgun E. E.
SEMIGROUP FORUM, vol.93, no.1, pp.71-85, 2016 (SCI-Expanded)

Articles Published in Other Journals

- I. **Machine learning approach to optimization of parameters for impedance measurements of Quartz Crystal Microbalance to improve limit of detection**
KIRIMLI C. E., Elgun E. E., Unal U.
Biosensors and Bioelectronics: X, vol.10, 2022 (Scopus)

Scientific Research / Working Group Memberships

Acu Biosensors And Functional Materials, Acibadem Mehmet Ali Aydınlar University, Turkey,

<https://www.apy.com.tr/acibadem-nanobiyoloji-merkezi>, 2021 - Continues

Adalab, Acibadem Mehmet Ali Aydınlar University, Turkey, <https://avesis.acibadem.edu.tr/arastirma-grubu/adalab>, 2021 - Continues

Metrics

Publication: 11

Citation (WoS): 1

Citation (Scopus): 19

H-Index (WoS): 1

H-Index (Scopus): 2

Congress and Symposium Activities

CAHAS 2022, Audience, Banff, Canada, 2022