

## Personal Information

**Email:** [elcim.kirimli@acibadem.edu.tr](mailto: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

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

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

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

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

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

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

Differential Equations, Undergraduate, 2020 - 2021

## Published journal articles indexed by SCI, SSCI, and AHCI

### I. Awareness and level of digital literacy among students receiving health-based education

Aydinlar 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)

### II. 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)

### III. 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

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

- Continues

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

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

### Metrics

Publication: 8

Citation (WoS): 1

Citation (Scopus): 9

H-Index (WoS): 1

H-Index (Scopus): 2

### Congress and Symposium Activities

CAHAS 2022, Audience, Banff, Canada, 2022