

## Prof. SELAMİ ERCAN

### Personal Information

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### International Researcher IDs

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Publons / Web Of Science ResearcherID: R-5891-2019

ScopusID: 56707057400

Yoksis Researcher ID: 57139

### Education Information

Doctorate, Gazi University, Fen Fakültesi, Matematik Bölümü, Turkey 1996 - 2002

Postgraduate, Gazi University, Gazi Eğitim Fakültesi, Turkey 1992 - 1995

Undergraduate, Gazi University, Gazi Eğitim Fakültesi, Turkey 1988 - 1992

### Foreign Languages

English, B1 Intermediate

### Dissertations

Doctorate, Her alt grubu Bn veya her öz homomorfik görüntüsü No olan lokal nilpotent gruplar, Gazi University, Fen Fakültesi, Matematik Bölümü, 2002

Postgraduate, Altnormallik şartını sağlayan gruplar, Gazi University, Gazi Eğitim Fakültesi, 1995

### Research Areas

Natural Sciences

### Academic Titles / Tasks

Professor, Gazi University, Gazi Eğitim Fakültesi, Matematik ve Fen Bilimleri Eğitimi, 2022 - Continues

Associate Professor, Gazi University, Gazi Eğitim Fakültesi, Matematik ve Fen Bilimleri Eğitimi, 2016 - 2022

Assistant Professor, Gazi University, Gazi Eğitim Fakültesi, Matematik ve Fen Bilimleri Eğitimi, 2010 - 2016

Assistant Professor, Gazi University, Gazi Eğitim Fakültesi, Matematik ve Fen Bilimleri Eğitimi, 2007 - 2010

Lecturer, Gazi University, Gazi Eğitim Fakültesi, Matematik ve Fen Bilimleri Eğitimi, 2005 - 2007

Research Assistant, Gazi University, Gazi Eğitim Fakültesi, Matematik ve Fen Bilimleri Eğitimi, 1992 - 2005

## Courses

ÖĞRETMENLİK UYGULAMASI, Undergraduate, 2017 - 2018, 2016 - 2017  
SİMETRİ GRUPLARI, Undergraduate, 2017 - 2018  
CEBİRE GİRİŞ, Undergraduate, 2017 - 2018, 2016 - 2017  
LİNEER CEBİR, Undergraduate, 2017 - 2018, 2016 - 2017  
MODELLEME, Undergraduate, 2017 - 2018, 2016 - 2017  
OKUL DENEYİMİ, Undergraduate, 2017 - 2018  
SOYUT MATEMATİK, Undergraduate, 2017 - 2018  
DİSKRET MATEMATİK, Undergraduate, 2017 - 2018, 2016 - 2017  
SAYISAL YÖNTEMLER VE DİSKRET MATEMATİK, Undergraduate, 2017 - 2018  
Matematik Eğitiminde Nitel Araştırmalar-I, Postgraduate, 2017 - 2018  
MATEMATİKSEL MODELLEME, Undergraduate, 2016 - 2017  
PROBLEM KURMA, Undergraduate, 2016 - 2017  
MATEMATİK EĞİTİMİNDE YAPILAN ARAŞTIRMALAR, Postgraduate, 2016 - 2017

## Advising Theses

Ercan S., 8. sınıf öğrencilerinin LGS matematik sorularına yönelik problem çözme süreçlerinin değerlendirilmesi: Strateji, basamak, hata analizi, Postgraduate, M.TUĞBA(Student), 2023  
Ercan S., The Effect of Online Flipped Classroom Model on Academic Achievement and Attitude of 10th Grade Students in the Context of Function Concept, Postgraduate, H.Türkoğlu(Student), 2021  
Ercan S., Investigation of Engineer Applicant Students' Conceptual and Procedural Knowledge of Integral Problem Solving Process from The Point of Bloom Taxonomy, Postgraduate, D.Şule(Student), 2021  
Ercan S., THE EXAMINATION OF MATHEMATIC CURRICULUM AND MATHEMATIC TEXTBOOKS, Postgraduate, B.ÇAKAR(Student), 2019  
Ercan S., The Opinions of Mathematics Teacher Candidates About Scenario-based Learning, Postgraduate, Ö.PATAN(Student), 2019  
Ercan S., The Concept Definition Of Students And Teachers About Fraction And Rational Number, Postgraduate, D.GAMZE(Student), 2019  
ERCAN S., MEB örgün eğitimi destekleme ve yetiştirme kurslarının matematik dersi bağlamında incelenmesi, Postgraduate, E.KÜRKÇÜ(Student), 2018  
ERCAN S., Investigation of High School Student's Beliefs towards Problem Solving and Academic Self-Efficacy Perceptions in terms of Some Variables, Postgraduate, Ş.DURAN(Student), 2018  
ERCAN S., The Examination of the Support and Training Courses of Formal Education of MEB in the Context of Math Classes, Postgraduate, E.Kürkçü(Student), 2018  
ERCAN S., The 10th grade students' success level and their thinking processes on number learning domain in mathematics lesson, Postgraduate, N.ŞEBNEM(Student), 2011

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

- I. **Perfect locally finite groups that are product of normal soluble subgroups of bounded derived length**  
ARIKAN A., ERCAN S.  
RICERCHE DI MATEMATICA, vol.73, no.4, pp.1725-1736, 2024 (SCI-Expanded)
- II. **W-perfect groups**  
ERCAN S.  
OPEN MATHEMATICS, vol.13, pp.948-954, 2015 (SCI-Expanded)
- III. **On certain minimal non--groups for some classes**  
ARIKAN A., ERCAN S.  
TURKISH JOURNAL OF MATHEMATICS, vol.39, no.4, pp.564-569, 2015 (SCI-Expanded)

## Articles Published in Other Journals

- I. **ORTAOKUL MATEMATİK ÖĞRETMEN ADAYLARININ SENARYO TEMELLİ ÖĞRENME HAKKINDAKİ GÖRÜŞLERİ\***  
ERCAN S., PATAN Ö.  
MILLI EGITIM, vol.51, no.235, pp.1961-1982, 2022 (Scopus)
- II. **MEB Örgün Eğitimi Destekleme Ve Yetiştirme Kurslarının Matematik Öğretmenler ve Öğrenciler Tarafından Değerlendirilmesi**  
ERCAN S., Kürkçü Çakar E.  
IBAD Sosyal Bilimler Dergisi, no.11, pp.39-63, 2021 (Peer-Reviewed Journal)
- III. **Examining the Integral Problem Solving Processes of Engineering Students in Terms of Conceptual and Operational Knowledge Using Bloom's Taxonomy**  
ERCAN S., ÜNAL D. Ş.  
International Journal of Multidisciplinary and Current Educational Research (IJMCER), vol.3, no.6, pp.14-25, 2021 (Peer-Reviewed Journal)
- IV. **DEFINITIONS OF MATHEMATICS TEACHERS AND STUDENTS FOR THE CONCEPT OF THE PROPERTY AND RATIONAL NUMBER MATEMATİK ÖĞRETMENLERİNİN VE ÖĞRENCİLERİNİN KESİR VE RASYONEL SAYI KAVRAMINA AİT TANIMLAMALARI\***  
ERCAN S., Aktaş D. G.  
Milli Egitim, vol.50, no.230, pp.279-300, 2021 (Scopus)
- V. **Ortaöğretim Öğrencilerinin Problem Çözmeye Yönelik İnançları Ve Akademik Özyeterlilik Algılarının Çeşitli Değişkenlere Göre İncelenmesi**  
Duran Ş., ERCAN S.  
IBAD Sosyal Bilimler Dergisi, no.8, pp.364-382, 2020 (Peer-Reviewed Journal)
- VI. **Every Subgroups is locally subnormal**  
ERCAN S.  
Journal of Novel Applied Sciences, vol.4, no.12, pp.1410-1412, 2014 (Peer-Reviewed Journal)
- VII. **A Note on a Locally Nilpotent Group with All Proper Subgroups soluble**  
ERCAN S., ATLIHAN S.  
Southeast Asian Bulletin of Mathematics, no.32, pp.61-63, 2008 (ESCI)
- VIII. **Groups Whose All Infinite Subgroups Have a Bound on Subnormal Indices**  
ERCAN S.  
Southeast Asian Bulletin of Mathematics, no.31, pp.55-59, 2007 (ESCI)
- IX. **On The derived Series Of Baer Groups**  
ERCAN S.  
Gazi University Journal of Science, vol.17, no.4, pp.115-119, 2004 (Peer-Reviewed Journal)
- X. **Torsion free groups with every proper homomorphic image an  $N_1$  group**  
ERCAN S.  
Algebra Discrete Math., no.2, pp.56-58, 2004 (Peer-Reviewed Journal)
- XI. **On groups whose every proper subgroups is a  $B_n$  group**  
ERCAN S.  
Commun. Fac. Sci. Univ. Ank. Sér. A1 Math. Stat., vol.54, no.2, pp.1-5, 2004 (Peer-Reviewed Journal)
- XII. **Groups whose proper subgroups are hypercentral of length at most**  
ERCAN S.  
Turkish Journal Of Mathematics, vol.27, no.2, pp.343-347, 2003 (Peer-Reviewed Journal)
- XIII. **On certain generalizations of groups with all subgroups subnormal**  
ARIKAN A., ERCAN S.  
Advances in group theory 2002, pp.145-152, 2002 (Peer-Reviewed Journal)

## Books & Book Chapters

- I. **Matematik Eğitimi: Seçmeli Dersler ve Öğretmenlik Uygulaması Bağlamında Sorunlar ve Çözüm Önerileri**  
ERCAN S.  
in: Türkiye'de Matematik Eğitimi Sorunlar, Çözüm Örnekleri ve İyi Örnekler, Arıkan Ahmet, Editor, Ekonomik İşbirliği Teşkilatı Eğitim Enstitüsü, Ankara, pp.325-348, 2023
- II. **CEBİR DERSLERİ PROBLEMLER ve ÇÖZÜMLERİ**  
ERCAN S.  
Orion Kitabevi, Ankara, 2021
- III. **BÖLÜM V 10. SINIF ÖĞRENCİLERİNİN FONKSİYON KAVRAMI BAĞLAMINDA ONLİNE TERS YÜZ SINIF MODELİNİN AKADEMİK BAŞARIYA VE TUTUMA ETKİSİ**  
ERCAN S., Türkoğlu H.  
in: EĞİTİM BİLİMLERİ Teori, Güncel Araştırmalar ve Yeni Eğilimler 3 , Doç. Dr. Harun ŞAHİN, Editor, IVPE, Cetinje-Montenegro, pp.87-107, 2021
- IV. **Soyut Cebir**  
ERCAN S.  
in: Öğretmenlik Alan Bilgisi İlköğretim Matematik, Şenol Dost, Editor, Alan Bilgisi yayınları, Ankara, pp.297-316, 2014
- V. **On certain generalizations of groups with all subgroups subnormal**  
ERCAN S., ARIKAN A.  
in: Advances in Group Theory 2002, F. de Giovanni, M. L. Newell, Editor, Aracne, Roma, pp.145-152, 2003

## Refereed Congress / Symposium Publications in Proceedings

- I. **Groups Whose Proper Factor Groups Are Fitting**  
ERCAN S.  
International Conference on Mathematics and Mathematics Education (ICMME - 2021) Gazi University, Ankara, Turkey, 16-18 September 2021, Ankara, Turkey, 16 September 2021, pp.19
- II. **İNTEGRAL KONUSUNDA MÜHENDİS ADAYI ÖĞRENCİLERİNİN KAVRAMSAL VE İŞLEMSEL BİLGİLERİNİN İNCELENMESİ (RESEARCH OF THE CONCEPTUAL AND OPERATIONAL KNOWLEDGE OF ENGINEER CANDIDATE STUDENTS ON INTEGRAL)**  
ÜNAL D. Ş., ERCAN S.  
3rd International NOVEMBER 24 Head Teacher EDUCATION AND INNOVATIVE SCIENCES SYMPOSIUM, Baku, Azerbaijan, 24 - 25 May 2021, vol.1, pp.57
- III. **Ortaöğretim 10. Sınıf Matematik Eğitiminde Online Ters Yüz Sınıf Modelinin Akademik Başarıya Etkisi**  
Türkoğlu H., ERCAN S.  
14. ULUSAL FEN BİLİMLERİ VE MATEMATİK EĞİTİMİ KONGRESİ, Burdur, Turkey, 19 - 21 May 2021
- IV. **A note on a locally nilpotent group with all proper subgroups soluble**  
ERCAN S., ATLIHAN S.  
3. Ankara Matematik Günleri, Turkey, 22 - 23 May 2008
- V. **Just Non Fitting Groups**  
ERCAN S.  
XVII. Ulusal Matematik Sempozyumu, Turkey, 23 - 26 August 2004
- VI. **On Certain Generalizations of Groups with All Subgroups Subnormal**  
ERCAN S., ARIKAN A.  
XV. Ulusal Matematik Sempozyumu, Turkey, 4 - 07 September 2002

## **Activities in Scientific Journals**

International Journal of Modern Science and Technology, Editor, 2018 - Continues

## **Scientific Refereeing**

HACETTEPE UNIVERSITESI EGITIM FAKULTESI DERGISI-HACETTEPE UNIVERSITY JOURNAL OF EDUCATION, Journal  
Indexed in SSCI, September 2012

## **Metrics**

Publication: 28