

SEDAT TEMEL

ASSOC. PROF.

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International Researcher IDs

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Publons / Web Of Science ResearcherID: JUV-0861-2023

ScopusID: 57192558999

Yoksis Researcher ID: 54996



Learning Knowledge

Doctorate

2012 - 2016

Erciyes University, Fen Bilimleri Enstitüsü, Matematik, Turkey

Postgraduate

2011 - 2012

Erciyes University, Fen Bilimleri Enstitüsü, Matematik, Turkey

Masters (Non-Thesis)

2003 - 2004

Selcuk University, Institute Of Science, Matematik Eğitimi, Turkey

Undergraduate

1999 - 2003

Ankara University, Fen Fakültesi, Matematik Bölümü, Turkey

Foreign Languages

English, B2 Upper Intermediate

Certificates, Courses and Trainings

Education Management and Planning, Eğitimcilerin Eğitimi, Recep Tayyip Erdoğan Üniversitesi Kalite Koordinatörlüğü, 2019

Dissertations

Doctorate, Topolojik Grup-2-grupoidler, Erciyes University, Fen Bilimleri Enstitüsü, Matematik, 2016

Postgraduate, Topolojik 2-Gruplar, Erciyes University, Fen Bilimleri Enstitüsü, Matematik, 2012

Academic Titles / Tasks

Associate Professor

2023 - Continues

Recep Tayyip Erdogan University, Fen Edebiyat Fakültesi, Matematik Bölümü

Assistant Professor
2016 - 2023

Recep Tayyip Erdogan University, Fen Edebiyat Fakültesi, Matematik Bölümü

Research Assistant PhD
2016 - 2016

Recep Tayyip Erdogan University, Fen Edebiyat Fakültesi, Matematik Bölümü

Research Assistant
2011 - 2016

Erciyes University, Fen Fakültesi, Matematik

Research Assistant
2011 - 2011

Recep Tayyip Erdogan University, Fen Edebiyat Fakültesi, Matematik Bölümü

Scholarships

Doktora Bursu, TÜBİTAK, 2013 - 2016

Jury Memberships

Post Graduate, Post Graduate, Aksaray Üniversitesi, January, 2022

Post Graduate, Post Graduate, Aksaray Üniversitesi, January, 2022

Post Graduate, Yüksek Lisans Tez Savunma Jürisi, Aksaray Üniversitesi, February, 2018

Post Graduate, Yüksek Lisans Tez Savunma Jürisi, Aksaray Üniversitesi, April, 2017

Published journal articles indexed by SCI, SSCI, and AHCI

1. Some notes on crossed semimodules

TEMEL S.

TURKISH JOURNAL OF MATHEMATICS, vol.46, pp.768-784, 2022 (SCI-Expanded)

2. Crossed Modules, Double Group-Groupoids and Crossed Squares

Temel S., Şahan T., Mucuk O.

FILOMAT, vol.34, no.6, pp.1755-1769, 2020 (SCI-Expanded)

3. Group-2-groupoids and 2G-crossed modules

ALEMDAR N., Temel S.

HACETTEPE JOURNAL OF MATHEMATICS AND STATISTICS, vol.48, no.5, pp.1388-1397, 2019 (SCI-Expanded)

Articles Published in Other Journals

1. Coverings, Actions and Quotients in Cat^1 -groupoids

Temel S., Çan O.

MATEMATICKI VESNIK, vol.76, no.4, pp.280-287, 2024 (ESCI)

2. Further remarks on group-2-groupoids

Temel S.

Applied General Topology, no.22, pp.31-46, 2021 (ESCI)

3. Internal Categories in Crossed Semimodules and Schreier Internal Categories

Temel S.

- Mathematical Sciences and Applications E-Notes, vol.8, no.2, pp.86-95, 2020 (Peer-Reviewed Journal)
4. **Crossed squares, crossed modules over groupoids and cat^1-2 -groupoids**
Temel S.
Categories and General Algebraic Structures with Applications, vol.13, no.1, pp.125-141, 2020 (ESCI)
 5. **CROSSED SEMIMODULES AND $\text{CAT}(1)$ -MONOIDS**
Temel S.
KOREAN JOURNAL OF MATHEMATICS, vol.27, no.2, pp.535-545, 2019 (ESCI)
 6. **NORMALITY AND QUOTIENT IN CROSSED MODULES OVER GROUPOIDS AND 2-GROUPOIDS**
Temel S.
KOREAN JOURNAL OF MATHEMATICS, vol.27, no.1, pp.151-163, 2019 (ESCI)
 7. **Crossed Semimodules of Categories and Schreier 2-Categories**
Temel S.
TBILISI MATHEMATICAL JOURNAL, vol.11, no.2, pp.47-57, 2018 (ESCI)
 8. **Topological Crossed Semimodules And Schreier Internal Categories In The Category Of Topological Monoids**
TEMEL S.
GAZI UNIVERSITY JOURNAL OF SCIENCE, vol.29, pp.915-921, 2016 (Scopus)

Books & Book Chapters

1. **Matematik 9**
Bekar M., TEMEL S.
Gezegen Yayıncılık, Ankara, 2014

Refereed Congress / Symposium Publications in Proceedings

1. **Topological crossed semimodules and $\text{cat}1$ -monoids**
TEMEL S.
IV. Uluslararası Bilimsel ve Mesleki Çalışmalar Kongresi – Fen ve Sağlık (BILMES SH 2019), Ankara, Turkey, 7 - 10 November 2019, pp.37
2. **2-Grupoidlerde Normallik ve Bölüm**
TEMEL S.
14. Ankara Matematik Günleri, Ankara, Turkey, 28 - 29 June 2019
3. **Crossed modules of group-groupoids and double group-groupoids**
TEMEL S., ŞAHAN T., MUCUK O.
II. International Conference on Pure and Applied Mathematics (ICPAM 2018), Van, Turkey, 11 - 13 September 2018
4. **Schreier 2-categories with one object**
TEMEL S.
II. International Scientific and Vocational Studies Congress – Science and Mathematics (BILMES SCI 2018), Nevşehir, Turkey, 5 - 08 July 2018
5. **Schreier Internal 2-Categories in the Category of Monoids**
TEMEL S.
International Conference on Natural Science and Engineering (ICNASE'16), Kilis, Turkey, 19 - 20 March 2016
6. **Topological group-2-groupoids and topological 2G-crossed modules**
TEMEL S., ALEMDAR N.
4th International Eurasian Conference on Mathematical Sciences and Applications (IECMSA-2015), ATİNA, Greece, 31 August - 03 September 2015
7. **Group-2-groupoids and 2G-crossed modules**

ALEMDAR N., TEMEL S.

International Conference on Pure and Applied Mathematics (ICPAM 2015), Van, Turkey, 25 - 28 August 2015

Academic and Administrative Experience

2016 - Continues	Head of Department	Recep Tayyip Erdogan University, Fen Edebiyat Fakültesi, Matematik Bölümü
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Courses

Mathematik II, Undergraduate, 2023 - 2024, 2020 - 2021
General Topology II, Undergraduate, 2023 - 2024, 2022 - 2023, 2021 - 2022, 2020 - 2021, 2019 - 2020, 2018 - 2019, 2016 - 2017
General Topology I, Undergraduate, 2023 - 2024, 2022 - 2023, 2021 - 2022, 2020 - 2021, 2019 - 2020, 2018 - 2019, 2017 - 2018
Mathematik I, Undergraduate, 2023 - 2024, 2020 - 2021
Uzmanlık Alan Dersi, Postgraduate, 2023 - 2024, 2022 - 2023, 2020 - 2021, 2019 - 2020, 2018 - 2019
Seminer, Postgraduate, 2022 - 2023, 2019 - 2020, 2018 - 2019
Matematik, Undergraduate, 2023 - 2024
Yüksek Lisans Tezi , Postgraduate, 2023 - 2024, 2020 - 2021, 2019 - 2020, 2018 - 2019
Matematik-II, Undergraduate, 2022 - 2023
Advanced Topology, Postgraduate, 2022 - 2023, 2021 - 2022, 2020 - 2021, 2019 - 2020, 2018 - 2019
Linear Algebra, Undergraduate, 2021 - 2022
Mathematik - I, Undergraduate, 2022 - 2023
Basic Geometry, Undergraduate, 2021 - 2022, 2020 - 2021
Mathematik III, Undergraduate, 2022 - 2023
Advanced Algebraic Topology, Doctorate, 2019 - 2020
General Matematik, Undergraduate, 2020 - 2021
Topological Vektör Spaces, Undergraduate, 2019 - 2020
Topological Groups, Undergraduate, 2020 - 2021
Matematiğin Temelleri-II, Undergraduate, 2019 - 2020
Topological Groupoids, Postgraduate, 2019 - 2020, 2018 - 2019
Mühendislik Matematiği II, Undergraduate, 2018 - 2019
Topolojiden Seçme Konular , Undergraduate, 2018 - 2019
Mühendislik Matematiği-I, Undergraduate, 2018 - 2019

Advising Theses

Temel S., Grupoidler Üzerindeki Çaprazlanmış Modüller ve Cat^1 -Grupoidler, Postgraduate, O.ÇAN(Student), 2021

Temel S., Schreier 2-categories, Postgraduate, S.YILMAZ(Student), 2020

Scientific Refereeing

The Korean Journal of Mathematics, Journal Indexed in ESCI, June 2023

Maltepe Journal of mathematics, Other Indexed Journal, March 2022

Maltepe Journal of Mathematics, Other Indexed Journal, June 2021

Boletim da Sociedade Paranaense de Matemática, Journal Indexed in ESCI, June 2019

Metrics

Publication: 19

Citation (WoS): 14

Citation (Scopus): 2

H-Index (WoS): 2

H-Index (Scopus): 1

Research Areas

Mathematics, Algebraic Topology, Natural Sciences