

Assoc. Prof. SEDAT TEMEL

Personal Information

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International Researcher IDs

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Yoksis Researcher ID: 54996

Education Information

Doctorate, Erciyes University, Fen Bilimleri Enstitüsü, Matematik, Turkey 2012 - 2016

Postgraduate, Erciyes University, Fen Bilimleri Enstitüsü, Matematik, Turkey 2011 - 2012

Masters (Non-Thesis), Selcuk University, Institute Of Science, Matematik Eğitimi, Turkey 2003 - 2004

Undergraduate, Ankara University, Fen Fakültesi, Matematik Bölümü, Turkey 1999 - 2003

Foreign Languages

English, B2 Upper Intermediate

Certificates, Courses and Trainings

Education Management and Planning, Öğretmenlerin 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

Research Areas

Mathematics, Algebraic Topology, Natural Sciences

Academic Titles / Tasks

Assistant Professor, Recep Tayyip Erdogan University, Fen Edebiyat Fakültesi, Matematik Bölümü, 2016 - Continues

Academic and Administrative Experience

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

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

I. Some notes on crossed semimodules

TEMEL S.

TURKISH JOURNAL OF MATHEMATICS, vol.46, pp.768-784, 2022 (Peer-Reviewed Journal)

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

Temel S., Şahan T., Mucuk O.

Filomat, vol.34, no.6, pp.1755-1769, 2020 (Peer-Reviewed Journal)

III. 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 (Peer-Reviewed Journal)

Articles Published in Other Journals

I. Further remarks on group-2-groupoids

Temel S.

Applied General Topology, no.22, pp.31-46, 2021 (Peer-Reviewed Journal)

II. 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)

III. 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 (Peer-Reviewed Journal)

IV. CROSSED SEMIMODULES AND $\text{CAT}(1)$ -MONOIDS

Temel S.

KOREAN JOURNAL OF MATHEMATICS, vol.27, no.2, pp.535-545, 2019 (Peer-Reviewed Journal)

V. 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 (Peer-Reviewed Journal)

VI. Crossed Semimodules of Categories and Schreier 2-Categories

Temel S.

TBILISI MATHEMATICAL JOURNAL, vol.11, no.2, pp.47-57, 2018 (Peer-Reviewed Journal)

- VII. **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 (Peer-Reviewed Journal)

Books & Book Chapters

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

Refereed Congress / Symposium Publications in Proceedings

- I. **Topological crossed semimodules and cat1-monoids**
TEMEL S.
IV. Uluslararası Bilimsel ve Mesleki Çalışmalar Kongresi – Fen ve Sağlık (BILMES SH 2019), Ankara, Turkey, 7 - 10 November 2019, pp.37
- II. **2-Grupoidlerde Normallik ve Bölüm**
TEMEL S.
14. Ankara Matematik Günleri, Ankara, Turkey, 28 - 29 June 2019
- III. **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
- IV. **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
- V. **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
- VI. **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
- VII. **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

Scientific Refereeing

- Maltepe Journal of mathematics, Other Indexed Journal, March 2022
Maltepe Journal of Mathematics, Other Indexed Journal, July 2021
Maltepe Journal of Mathematics, Other Indexed Journal, June 2021
Boletim da Sociedade Paranaense de Matemática, Journal Indexed in ESCI, June 2019

Metrics

Publication: 18

Citation (WoS): 8

Citation (Scopus): 1

H-Index (WoS): 2

H-Index (Scopus): 1

Scholarships

Doktora Bursu, TUBITAK, 2013 - 2016