Assoc. Prof. YILMAZ MEHMET DEMİRCİ

Personal Information

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International Researcher IDs
ScholarID: ACdb-8YAAAAJ
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Education Information

Doctorate, Izmir Institute Of Technology, Faculty Of Science, Department Of Mathematics, Turkey 2008 - 2012
Postgraduate, Izmir Institute Of Technology, Faculty Of Science, Department Of Mathematics, Turkey 2005 - 2008
Undergraduate, Ihsan Dogramaci Bilkent University, Faculty Of Science, Department Of Mathematics, Turkey 1999 - 2005

Foreign Languages

English, C2 Mastery

Research Areas

Associative Rings and Algebras, Commutative Rings and Algebras, Group Theory and Generalizations

Academic Titles / Tasks

Associate Professor, Abdullah Gul University, Mühendislik Fakültesi, Mühendislik Bilimleri, 2020 - Continues
Assistant Professor, Abdullah Gul University, Mühendislik Fakültesi, Mühendislik Bilimleri, 2018 - 2020
Assistant Professor, Sinop University, Faculty Of Arts And Sciences, Department Of Mathematics, 2013 - 2018
Research Assistant, Izmir Institute Of Technology, Faculty Of Science, Department Of Mathematics, 2005 - 2012

Academic and Administrative Experience

Head of Department, Abdullah Gul University, Mühendislik Fakültesi, Mühendislik Bilimleri, 2021 - Continues
Deputy Head of Department, Sinop University, Faculty Of Arts And Sciences, Department Of Mathematics, 2014 - 2018

Courses

Undergraduate
Calculus II for Electrical-Electronics Engineering, Undergraduate, 2021 - 2022
Calculus for Life Sciences II, Undergraduate, 2021 - 2022, 2020 - 2021, 2019 - 2020

Calculus for Life Sciences I, Undergraduate, 2022 - 2023, 2021 - 2022, 2020 - 2021, 2019 - 2020

Calculus I for Electrical-Electronics Engineering, Undergraduate, 2022 - 2023, 2021 - 2022

Calculus for Life Sciences I, Undergraduate, 2022 - 2023

Calculus I, Undergraduate, 2021 - 2022, 2019 - 2020, 2018 - 2019

Discrete Mathematics, Undergraduate, 2020 - 2021

Calculus II, Undergraduate, 2020 - 2021, 2018 - 2019

AGU WAYS, Undergraduate, 2020 - 2021

Calculus II, Undergraduate, 2018 - 2019

Linear Algebra, Undergraduate, 2018 - 2019

Linear Algebra, Undergraduate, 2018 - 2019

Calculus I, Undergraduate, 2018 - 2019

Published journal articles indexed by SCI, SSCI, and AHCI

I. **NeRNA: A negative data generation framework for machine learning applications of noncoding RNAs**
Orhan M. E., DEMİRCİ Y. M., SAÇAR DEMİRCİ M. D.
Computers in Biology and Medicine, vol.159, 2023 (SCI-Expanded)

II. **On a class of Harada Rings**
Türkmen B. N., Demirci Y. M.
OPEN MATHEMATICS, vol.20, no.1, pp.1833-1837, 2022 (SCI-Expanded)

III. **WSA-Supplements and Proper Classes**
DEMİRCİ Y. M., TÜRKMEN E.
MATHEMATICS, vol.10, no.16, 2022 (SCI-Expanded)

IV. **On rings with one middle class of injectivity domains**
ALIZADE R. A. F. A. I. L., DEMIRCI Y. M., TURKMEN B. U. R. C. U. N. I. S. A. N. C. I., TURKMEN E. R. G. U. L.
MATHEMATICAL COMMUNICATIONS, vol.27, no.1, pp.109-126, 2022 (SCI-Expanded)

V. **Modules and abelian groups with a bounded domain of injectivity**
DEMİRCİ Y. M.
JOURNAL OF ALGEBRA AND ITS APPLICATIONS, vol.17, no.6, 2018 (SCI-Expanded)

VI. **CLOSURES OF PROPER CLASSES**
Alizade R., DEMİRCİ Y. M.
MISKOLC MATHEMATICAL NOTES, vol.17, no.2, pp.723-738, 2017 (SCI-Expanded)

VII. **ON GENERALIZATIONS OF SEMIPERFECT AND PERFECT RINGS**
DEMİRCİ Y. M.
BULLETIN OF THE IRANIAN MATHEMATICAL SOCIETY, vol.42, no.6, pp.1441-1450, 2016 (SCI-Expanded)

VIII. **THE PROPER CLASS GENERATED BY WEAK SUPPLEMENTS**
Alizade R., DEMİRCİ Y. M., Durgun Y., Pusat D.
COMMUNICATIONS IN ALGEBRA, vol.42, no.1, pp.56-72, 2014 (SCI-Expanded)

IX. **Weakly distributive modules. Applications to supplement submodules**
Buyukasik E., DEMİRCİ Y. M.
PROCEEDINGS OF THE INDIAN ACADEMY OF SCIENCES-MATHEMATICAL SCIENCES, vol.120, no.5, pp.525-534, 2010 (SCI-Expanded)

Articles Published in Other Journals

I. **Circular RNA-MicroRNA-MRNA interaction predictions in SARS-CoV-2 infection**
DEMİRCİ Y. M., SAÇAR DEMİRCİ M. D.
JOURNAL OF INTEGRATIVE BIOINFORMATICS, vol.18, no.1, pp.45-50, 2021 (ESCI)

II. **RINGS WITH VARIATIONS OF FLAT COVERS**

DEMİRCİ Y. M., Turkmen E.

HONAM MATHEMATICAL JOURNAL, vol.41, no.4, pp.799-812, 2019 (ESCI)

III. **Rings with modules having a restricted injectivity domain**

DEMİRCİ Y. M., TÜRKMEN B. N., TÜRKMEN E.

SAO PAULO JOURNAL OF MATHEMATICAL SCIENCES, 2019 (ESCI)

IV. **FLAT STRONG delta-COVERS OF MODULES**

DEMİRCİ Y. M.

COMMUNICATIONS FACULTY OF SCIENCES UNIVERSITY OF ANKARA-SERIES A1 MATHEMATICS AND STATISTICS, vol.68, no.1, pp.43-52, 2019 (ESCI)

Papers Published in Refereed Scientific Meetings

I. **Crumbling modules as injectivity domains**

Demirci Y. M.

4th International Conference on Pure and Applied Mathematics, Van, Turkey, 22 - 23 June 2022, pp.74

II. **Injective modules are ss-lifting in R-mod**

Türkmen B. N., Demirci Y. M.

4th International Conference on Pure and Applied Mathematics, Van, Turkey, 22 - 23 June 2022, pp.123

III. **Wsa-coinjective modules**

Türkmen E., Demirci Y. M.

4th International Conference on Pure and Applied Mathematics, Van, Turkey, 22 - 23 June 2022, pp.146

IV. **ON MODULES WITH RESTRICTED CLASS OF INJECTIVITYDOMAINS**

TÜRKMEN E., NİŞANCI TÜRKMEN B., DEMİRCİ Y. M.

NEW TRENDS IN RINGS AND MODULES I, Kocaeli, Turkey, 20 - 23 June 2018

V. **Rings whose modules have a flat-locally projective cover**

DEMİRCİ Y. M., TÜRKMEN E.

Caucasian mathematics conference II (CMC-II), 22 - 24 August 2017

VI. **On Small Lifting Modules**

TÜRKMEN E., NİŞANCI TÜRKMEN B., DEMİRCİ Y. M.

Caucasian Mathematics Conference II (CMC II), Van, Turkey, 22 - 24 August 2017

VII. **A Generalization of Poor Modules**

DEMİRCİ Y. M.

Noncommutative rings and their applications V, 12 - 15 June 2017

VIII. **On Flat Covers of Modules**

DEMİRCİ Y. M.

International Conference on Mathematics and Engineering, 10 - 12 May 2017

IX. **On Generalized Semiperfect Rings**

DEMİRCİ Y. M.

International Conference on Algebra and Number Theory, Samsun, Turkey, 5 - 08 August 2014

X. **A Closure of Proper Classes Induced by a Class of Homomorphisms**

DEMİRCİ Y. M., ALİZADE R.

Antalya Algebra Days XIV, İzmir, Turkey, 16 - 20 May 2012

XI. **Proper Class Generated by Submodules That Have Supplements**

ALİZADE R., DEMİRCİ Y. M.

Antalya Algebra Days X, Antalya, Turkey, 28 May - 01 June 2008

Supported Projects

Saçar Demirci M. D., Demirci Y. M., TUBITAK Project, RNA İkincil Yapılarının Çok Boyutlu Gösterimi ve Pre-Mirna Tespiti

İçin Uygulamaları, 2020 - 2021

Türkmen B. N., Türkmen E., Demirci Y. M., Project Supported by Higher Education Institutions, Investigation of Injectivity and Projectivity Domains of Modules, 2018 - 2019

Metrics

Publication: 24
Citation (WoS): 29
Citation (Scopus): 40
H-Index (WoS): 3
H-Index (Scopus): 4