

## **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**

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., DEMİRCİ 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)

## Refereed Congress / Symposium Publications in Proceedings

**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 INJECTIVITY DOMAINS**

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): 35

H-Index (WoS): 3

H-Index (Scopus): 4