

## Prof. PINAR AYDOĞDU

### Personal Information

**Email:** paydogdu@hacettepe.edu.tr

**Web:** <https://avesis.hacettepe.edu.tr/paydogdu>

### International Researcher IDs

ORCID: 0000-0002-2148-2980

Publons / Web Of Science ResearcherID: G-9102-2013

ScopusID: 25957910100

Yoksis Researcher ID: 102031

### Education Information

Doctorate, Hacettepe University, Fen Fakültesi, Cebir Ve Sayılar Teorisi, Turkey 2004 - 2011

### Foreign Languages

English, B2 Upper Intermediate

### Certificates, Courses and Trainings

Education Management and Planning, Eğitimcilerin Eğitimi, Hacettepe Üniversitesi, 2014

### Dissertations

Doctorate, A study on perfect and regular rings, Hacettepe Üniversitesi, Fen Bilimleri Enstitüsü, Matematik (Dr), 2011  
Postgraduate, Yarıdüzenli ve yarıtam halkaların genellemesi, Hacettepe Üniversitesi, Fen Bilimleri Enstitüsü, Matematik (YI) (Tezli), 2006

### Research Areas

Mathematics, Associative Rings and Algebras, Natural Sciences

### Academic Titles / Tasks

Associate Professor, Hacettepe University, Fen Fakültesi, Matematik Bölümü, 2018 - Continues

Assistant Professor, Hacettepe University, Fen Fakültesi, Matematik Bölümü, 2014 - 2018

Research Assistant, Hacettepe University, Fen Fakültesi, Matematik Bölümü, 2004 - 2014

### Courses

MKÖ 362 Soyut Cebir II, Undergraduate, 2017 - 2018, 2016 - 2017  
MTÖ 306 Soyut Cebir II, Undergraduate, 2017 - 2018, 2016 - 2017  
MTK 242 Doğrusal Cebir II, Undergraduate, 2016 - 2017  
MTK 699 Özel Konular, Postgraduate, 2016 - 2017  
İMÖ 214 Lineer Cebir II, Undergraduate, 2016 - 2017  
MKÖ 301 Soyut Cebir I, Undergraduate, 2016 - 2017  
MTK 699 Özel Konular, Postgraduate, 2016 - 2017  
İMÖ Lineer Cebir I, Undergraduate, 2016 - 2017  
MTÖ 305 Soyut Cebir I, Undergraduate, 2016 - 2017  
MAT 123 Mathematics I, Undergraduate, 2016 - 2017

## Advising Theses

AYDOĞDU P., Değişmeli olmayan halkalarda Cohen ve Kaplansky teoremlerinin genellemeleri, Postgraduate, B.KAYIKÇI(Student), 2017

## Jury Memberships

Post Graduate, Sibel Kurt Yüksek Lisans Tez Savunması, Hacettepe Üniversitesi, June, 2017  
Post Graduate, Merve Akın Yüksek Lisans Tez Savunması, Hacettepe Üniversitesi, June, 2017  
Doctorate, Begüm Hiçyılmaz Yener Doktora Tez Savunması, Afyon Kocatepe Üniversitesi, June, 2017  
Doctorate, Seda Oğuz Doktora Tez Savunması, Selçuk Üniversitesi , September, 2015

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

- I. **On a group under which symmetric Reed-Muller codes are invariant**  
Toplu S. K., ARIKAN T., AYDOĞDU P., YAYLA O.  
JOURNAL OF ALGEBRA AND ITS APPLICATIONS, 2024 (SCI-Expanded)
- II. **The isomorphism problem for basic modules and the divisibility profile of the algebra of polynomials**  
AYDOĞDU P., Arellano C., López-Permouth S., Muhammad R., Zailaee M.  
Revista de la Real Academia de Ciencias Exactas, Físicas y Naturales - Serie A: Matemáticas, vol.118, no.2, 2024 (SCI-Expanded)
- III. **Characterizing Rings in Terms of the Extent of the Injectivity of Their Simple Modules**  
SARAÇ B., AYDOĞDU P.  
Mediterranean Journal of Mathematics, vol.20, no.4, 2023 (SCI-Expanded)
- IV. **THE OPPOSITE OF INJECTIVITY BY PROPER CLASSES**  
Aydogdu P., Durgun Y.  
QUAESTIONES MATHEMATICAE, vol.46, no.8, pp.1547-1570, 2023 (SCI-Expanded)
- V. **On the Weak-Injectivity Profile of a Ring**  
AYDOĞDU P., Lopez-Permouth S. R., Sandoval-Miranda M. L. S.  
BULLETIN OF THE MALAYSIAN MATHEMATICAL SCIENCES SOCIETY, vol.44, no.1, pp.35-53, 2021 (SCI-Expanded)
- VI. **Infinite-dimensional algebras without simple bases**  
AYDOĞDU P., Lopez-Permouth S. R., Muhammad R. A.  
LINEAR & MULTILINEAR ALGEBRA, vol.68, no.12, pp.2390-2407, 2020 (SCI-Expanded)
- VII. **Projective ideals of skew polynomial rings over HNP rings**  
AKALAN E., AYDOĞDU P., MARUBAYASHI H., SARAÇ B., UEDA A.  
COMMUNICATIONS IN ALGEBRA, vol.45, no.6, pp.2546-2556, 2017 (SCI-Expanded)

- VIII. **Rings of Morita contexts which are maximal orders**  
SARAÇ B., AKALAN E., AYDOĞDU P., MARUBAYASHI H.  
JOURNAL OF ALGEBRA AND ITS APPLICATIONS, vol.15, no.7, 2016 (SCI-Expanded)
- IX. **A FAMILY OF EXAMPLES OF GENERALIZED PERFECT RINGS**  
AYDOĞDU P., HERBERA D.  
COMMUNICATIONS IN ALGEBRA, vol.44, no.3, pp.1171-1180, 2016 (SCI-Expanded)
- X. **On Artinian rings with restricted class of injectivity domains**  
AYDOĞDU P., SARAC B.  
JOURNAL OF ALGEBRA, vol.377, pp.49-65, 2013 (SCI-Expanded)
- XI. **Rings over which every module has a flat delta-cover**  
Aydogdu P.  
TURKISH JOURNAL OF MATHEMATICS, vol.37, no.1, pp.182-194, 2013 (SCI-Expanded)
- XII. **RINGS WHOSE CYCLIC MODULES ARE DIRECT SUMS OF EXTENDING MODULES**  
AYDOĞDU P., Er N., Ertas N. O.  
GLASGOW MATHEMATICAL JOURNAL, vol.54, no.3, pp.605-617, 2012 (SCI-Expanded)
- XIII. **RINGS CLOSE TO SEMIREGULAR**  
AYDOĞDU P., LEE Y., ÖZCAN A. Ç.  
JOURNAL OF THE KOREAN MATHEMATICAL SOCIETY, vol.49, no.3, pp.605-622, 2012 (SCI-Expanded)
- XIV. **An alternative perspective on injectivity of modules**  
AYDOĞDU P., Lopez-Permouth S. R.  
JOURNAL OF ALGEBRA, vol.338, no.1, pp.207-219, 2011 (SCI-Expanded)
- XV. **CHAIN CONDITIONS ON NON-SUMMANDS**  
AYDOĞDU P., ÖZCAN A. Ç., SMITH P. F.  
JOURNAL OF ALGEBRA AND ITS APPLICATIONS, vol.10, no.3, pp.475-489, 2011 (SCI-Expanded)
- XVI. **A Generalization of Semiregular and Almost Principally Injective Rings**  
ÖZCAN A. Ç., AYDOĞDU P.  
ALGEBRA COLLOQUIUM, vol.17, pp.905-916, 2010 (SCI-Expanded)
- XVII. **Almost-perfect modules**  
AYDOĞDU P., ÖZCAN A. Ç.  
Glasgow Mathematical Journal, vol.52, no.A, pp.33-40, 2010 (SCI-Expanded)
- XVIII. **A generalization of semiregular and semiperfect modules**  
ÖZCAN A. Ç., AYDOĞDU P.  
ALGEBRA COLLOQUIUM, vol.15, no.4, pp.667-680, 2008 (SCI-Expanded)

### **Refereed Congress / Symposium Publications in Proceedings**

- I. **Two Value Graph Magma Algebras and Amenability**  
AYDOĞDU P., Boils J. D., López-Permouth S. R., Muhammad R. A.  
International Conference on Algebra and Related Topics with Applications, ICARTA 2019, Aligarh, India, 17 - 19 December 2019, vol.392, pp.383-400
- II. **Amenable Bases**  
Muhammad R. A., AYDOĞDU P., LOPEZ-PERMOUTH S. R.  
34th Ohio State-Denison Mathematics Conference, Columbus-Ohio, United States Of America, 18 May 2018, pp.7-8
- III. **Modules with the smallest possible weak injectivity domain**  
Sandoval-Miranda M. L. S., AYDOĞDU P., LOPEZ-PERMOUTH S. R.  
34th Ohio State-Denison Mathematics Conference, Columbus-Ohio, United States Of America, 18 May 2018, pp.9
- IV. **On the weakly-injective profile of a ring**  
AYDOĞDU P., LOPEZ-PERMOUTH S. R., Sandoval-Miranda M. L. S.  
AMS Sectional Meeting: Special Session on Categorical, Homological and Combinatorial Methods in Algebra, Columbus-Ohio, United States Of America, 16 March 2018, pp.35

- V. **On Generalized Perfect Rings**  
AYDOĞDU P., HERBERA D.  
Non-commutative rings and their applications V, Lens, France, 12 June 2017, pp.3
- VI. **G-Dedekind Primeness of Morita Context**  
AYDOĞDU P., SARAÇ B., AKALAN E., MARUBAYASHI H.  
Antalya Algebra Days XVI, Antalya, Turkey, 09 May 2014, pp.16-17
- VII. **Rings whose simple modules have maximal or minimal injectivity domains**  
AYDOĞDU P., SARAÇ B.  
31st Ohio State-Denison Mathematics Conference, Columbus-Ohio, United States Of America, 25 May 2012, pp.14
- VIII. **Dik Toplanan Olmayan Altmodüller Üzerinde Zincir Koşulları**  
AYDOĞDU P., OZCAN A. C., SMITH P. F.  
6.Ankara Matematik Günleri, Ankara, Turkey, 02 June 2011, pp.48-49
- IX. **Some characterizations of delta-semiperfect and delta-perfect rings**  
AYDOĞDU P.  
30th Ohio State-Denison Mathematics Conference, Columbus-Ohio, United States Of America, 21 May 2010, pp.1
- X. **Yarıdüzenli Halkalara Yakın Halkalar**  
AYDOĞDU P., OZCAN A. C.  
21. Ulusal Matematik Sempozyumu, İstanbul, Turkey, 01 September 2008, pp.36
- XI. **Yarıdüzenli ve Yarıtam Modüllerin Genellemesi**  
AYDOĞDU P., OZCAN A. C.  
19. Ulusal Matematik Sempozyumu, Kütahya, Turkey, 22 August 2006, pp.67

## Supported Projects

AYDOĞDU P., Project Supported by Higher Education Institutions, Modüllerin Zayıf-injektiflik Bölgeleri Üzerine Bir Araştırma, 2017 - 2018

AYDOĞDU P., Project Supported by Higher Education Institutions, Genelleştirilmiş Tam Halkalar, 2017 - 2017

SARAÇ B., MARUBAYASHI H., AKALAN E., AYDOĞDU P., Project Supported by Higher Education Institutions, HNP Halkaları Üzerindeki Skew Polinom Halkalarının Projektif İdealleri, 2015 - 2016

AYDOĞDU P., Project Supported by Higher Education Institutions, Değişmeli Olmayan Halkalar Üzerine Araştırma, 2015 - 2016

AKALAN E., AYDOĞDU P., SARAÇ B., İLHAN H., TEKİN AKÇİN H. M., KALEBOĞAZ B., ORHAN ERTAŞ N., SAYIN U., Project Supported by Higher Education Institutions, 4. HALKA MODÜL VE CEBİR ÇALIŞTAYI-Değişmeli olmayan halkalarda ideallerin çarpımsal teorisi, Krull-Schmidt ve Serial Halkalar., 2015 - 2015

## Activities in Scientific Journals

International Electronic Journal of Algebra , Assistant Editor/Section Editor, 2011 - 2014

## Scientific Refereeing

Journal of Algebra and its Applications , SCI Journal, April 2018

JP Journal of Algebra, Number Theory and Applications , Other Indexed Journal, July 2017

Journal of Algebra and its Applications , SCI Journal, August 2016

Journal of Algebra, Number Theory: Advances and Applications, Other Indexed Journal, July 2016

Communications in Algebra, SCI Journal, March 2016

Mathematical Sciences, Other Indexed Journal, February 2013

Miskolc Notes, Other Indexed Journal, June 2012

International Electronic Journal of Algebra , Other Indexed Journal, April 2011

Arabian Journal of Mathematics, Other Indexed Journal, January 2011

## Metrics

Publication: 29

Citation (WoS): 43

Citation (Scopus): 38

H-Index (WoS): 4

H-Index (Scopus): 4

## Congress and Symposium Activities

Joint Mathematics Meetings, Attendee, California, United States Of America, 2018

6. Halka Teorisi Çalıştayı, Attendee, İzmir, Turkey, 2017

12. Ankara Matematik Günleri, Attendee, Turkey, 2017

5. Halka Teorisi Çalıştayı, Attendee, Turkey, 2016

4. Halka Teorisi Çalıştayı, Attendee, Ankara, Turkey, 2015

3. Halka Teorisi Çalıştayı, Attendee, İzmir, Turkey, 2014

International Conference On Algebra in honour of Patrick Smith and John Clark's 70th Birthdays, Attendee, Balıkesir, Turkey, 2013

2. Halka Teorisi Çalıştayı, Attendee, İzmir, Turkey, 2013

12. Matematik Sempozyumu: Toplumda Matematik, Attendee, Turkey, 2013

Kadın ve Bilim I, Attendee, Ankara, Turkey, 2012

1. Halka Teorisi Çalıştayı, Attendee, Karabük, Turkey, 2012

7. Ankara Matematik Günleri, Attendee, Ankara, Turkey, 2012

Midwest Ring Theory Conference, Attendee, Illinois, United States Of America, 2010

International Conference on Ring and Module Theory, Attendee, Ankara, Turkey, 2008

Antalya Algebra Days X, Attendee, Turkey, 2008

18. Ulusal Matematik Sempozyumu, Attendee, İstanbul, Turkey, 2005

Antalya Algebra Days VII, Attendee, Antalya, Turkey, 2005

## Scholarships

2221 Konuk veya Akademik İzinli Bilim İnsanı Destekleme Programı, TÜBİTAK, 2014 - Continues

2214 Yurtdışı Doktora Araştırma Bursu, TÜBİTAK, 2010 - Continues

2211 Yurt İçi Doktora Bursu, TÜBİTAK, 2006 - Continues

2210 Yurt İçi Yüksek Lisans Bursu, TÜBİTAK, 2005 - Continues