

Assoc. Prof. EBRU SOLAK

Personal Information

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International Researcher IDs

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Publons / Web Of Science ResearcherID: AAS-7686-2020

ScopusID: 24833573700

Yoksis Researcher ID: 164131

Education Information

Doctorate, Bayerische Julius-Maximilians-Universitaet Würzburg, Germany 2004 - 2007

Postgraduate, Georg-August-Universitaet Göttingen, Germany 2000 - 2002

Undergraduate, Middle East Technical University, Faculty of Arts and Sciences, Department of Mathematics, Turkey 1995 - 2000

Foreign Languages

German, C1 Advanced

English, C1 Advanced

Dissertations

Doctorate, Almost Completely Decomposable Groups of Type (1,2), Bayerische Julius-Maximilians-Universitaet Würzburg, 2007

Postgraduate, Wedderburn's Structure Theorem, Georg-August-Universitaet Göttingen, 2002

Research Areas

Natural Sciences

Academic Titles / Tasks

Associate Professor, Middle East Technical University, Faculty of Arts and Sciences, Department of Mathematics, 2018 - Continues

Assistant Professor, Middle East Technical University, Faculty of Arts and Sciences, Department of Mathematics, 2009 - 2018

Assistant Professor, Bahcesehir University, Faculty Of Arts And Sciences, Department Of Mathematics And Computer, 2008 - 2009

Courses

Basic Linear Algebra, Undergraduate, 2020 - 2021
BASIC MATHEMATICS II, Undergraduate, 2017 - 2018
ALGEBRA II, Postgraduate, 2017 - 2018
BASIC MATHEMATICS I, Undergraduate, 2018 - 2019
ABSTRACT ALGEBRA, Undergraduate, 2018 - 2019

Advising Theses

Solak E., An approach to decomposability of a class of almost completely decomposable groups, Postgraduate, M.KOCABIYIK(Student), 2024
SOLAK E., Decomposition of a specific class of $(1,3)$ groups, Postgraduate, U.ŞÜKRÜ(Student), 2022
Solak E., About the decomposability of almost completely decomposable groups, Postgraduate, C.BUDAK(Student), 2020
SOLAK E., KUZUCUOĞLU M., Monomial groups, Postgraduate, Ö.ALMAŞ(Student), 2017

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **REPRESENTATIONS OF FINITE POSETS OVER THE RING OF INTEGERS MODULO A PRIME POWER**
Arnold D., Mader A., Mutzbauer O., SOLAK E.
JOURNAL OF COMMUTATIVE ALGEBRA, vol.8, no.4, pp.461-491, 2016 (SCI-Expanded)
- II. **Classification of a class of torsion-free abelian groups**
SOLAK E.
RENDICONTI DEL SEMINARIO MATEMATICO DELLA UNIVERSITA DI PADOVA, vol.135, pp.111-131, 2016 (SCI-Expanded)
- III. **THE CLASS OF $(2,2)$ -GROUPS WITH HOMOCYCLIC REGULATOR QUOTIENT OF EXPONENT $p(3)$ HAS BOUNDED REPRESENTATION TYPE**
Arnold D. M., Mader A., Mutzbauer O., SOLAK E.
JOURNAL OF THE AUSTRALIAN MATHEMATICAL SOCIETY, vol.99, no.1, pp.12-29, 2015 (SCI-Expanded)
- IV. **$(1,4)$ -GROUPS WITH HOMOCYCLIC REGULATOR QUOTIENT OF EXPONENT $p(3)$**
Arnold D. M., Mader A., Mutzbauer O., SOLAK E.
COLLOQUIUM MATHEMATICUM, vol.138, no.1, pp.131-144, 2015 (SCI-Expanded)
- V. **REPRESENTATIONS OF POSETS AND INDECOMPOSABLE TORSION-FREE ABELIAN GROUPS**
Arnold D., Mader A., Mutzbauer O., SOLAK E.
COMMUNICATIONS IN ALGEBRA, vol.42, no.3, pp.1287-1311, 2014 (SCI-Expanded)
- VI. **The class of $(1,3)$ -groups with homocyclic regulator quotient of exponent $p(4)$ has bounded representation type**
Arnold D. M., Mader A., Mutzbauer O., SOLAK E.
JOURNAL OF ALGEBRA, vol.400, pp.43-55, 2014 (SCI-Expanded)
- VII. **Indecomposable $(1,3)$ -Groups and a matrix problem**
Arnold D. M., Mader A., Mutzbauer O., SOLAK E.
CZECHOSLOVAK MATHEMATICAL JOURNAL, vol.63, no.2, pp.307-355, 2013 (SCI-Expanded)
- VIII. **Almost completely decomposable groups and unbounded representation type**
Arnold D. M., Mader A., Mutzbauer O., SOLAK E.
JOURNAL OF ALGEBRA, vol.349, no.1, pp.50-62, 2012 (SCI-Expanded)
- IX. **$(1, 2)$ -Groups with p_3 -regulator quotient**
Mutzbauer O., Solak E.
Journal of Algebra, vol.320, no.10, pp.3821-3831, 2008 (SCI-Expanded)

Articles Published in Other Journals

- I. **The Class of $(1,3)$ -Groups with a homocyclic regulator quotient of exponent p^5 is of finite representation type**

Arnold D., Mader A., Mutzbauer O., SOLAK E.

Bulletin of the Hellenic Mathematical Society, vol.61, pp.55-72, 2017 (Peer-Reviewed Journal)

Books & Book Chapters

- I. **The Class of $(2, 3)$ -Groups with Homocyclic Regulator Quotient of Exponent p^2**

SOLAK E.

in: Groups, Modules, and Model Theory - Surveys and Recent Developments, , Editor, Springer, pp.435-447, 2017

- II. **A Remark-Krull-Schmidt Class of Torsion-Free Abelian Groups**

Arnold D., Mader A., Mutzbauer O., SOLAK E.

in: Groups, Modules, and Model Theory - Surveys and Recent Developments, , Editor, Springer, pp.41-68, 2017

- III. **Wedderburn's Structure Theorem**

SOLAK E.

in: Miscellaneous Topics of Group Theory Mashhad Naples 2005 2008, Erfanian Ahmad , Russo Francesco, Editor, Aracne Editrice, pp.81-115, 2008

Refereed Congress / Symposium Publications in Proceedings

- I. **Torsiyonsuz Değişmeli Grupların Bir Alt Sınıfının Ayrışma Problemi**

SOLAK E.

15.Ankara Matematik Günleri, Ankara, Turkey, 23 - 24 May 2024

- II. **Classification of special classes of almostcompletely decomposable groups of nite rank**

SOLAK E.

New Pathways between Group Theory and Model Theory, 1 - 04 February 2016

- III. **Tipi $(1,3)$ olan hemen hemen ayrışan Gruplar**

SOLAK E.

28.Ulusal Matematik Sempozyumu, Turkey, 7 - 09 September 2015

- IV. **Tipi $(1,3)$ olan hemen hemen ayrışan gruplar**

SOLAK E.

10.Ankara Matematik Günleri, Turkey, 11 - 12 June 2015

- V. **Decomposability of a Class of Almost completely decomposable Groups**

SOLAK E.

3.Cemal Koç Cebir Seminer Günleri, Turkey, 04 April 2015

- VI. **1^2 groups for a regulator quotient of exponent p^4**

Solak E., Mutzbauer O.

Groups and model theory in honor of Rüdiger Göbel's 70th birthday, Mülheim, Germany, 30 May - 03 June 2011, vol.576, pp.269-285

- VII. **Indecomposable $(1,3)$ -Groups**

SOLAK E.

Groups and Model Theory, 30 May - 03 June 2011

- VIII. **Decomposability of $(1,2)$ -Groups**

SOLAK E.

12..Antalya Cebir Günleri, 19 - 22 May 2009

- IX. **$(1,2)$ -Groups**

SOLAK E.

Supported Projects

SOLAK E., Budak C., Project Supported by Higher Education Institutions, Classification of Almost Completely Decomposable Groups, 2018 - 2020

SOLAK E., Project Supported by Higher Education Institutions, Bazı Torsiyonsuz Değişmeli Grupların Ayrışımı, 2017 - 2017

SOLAK E., Project Supported by Higher Education Institutions, $(2,2)$ -Groups, 2013 - 2015

SOLAK E., Project Supported by Higher Education Institutions, Bölüm Regülatörünün Kuvveti P4 Olan $(1,2)$ Gruplar., 2011 - 2011

Scientific Refereeing

Project Supported by Higher Education Institutions, BAP Research Project, Middle East Technical University, Turkey, August 2020

INTERNATIONAL JOURNAL OF GROUP THEORY, Journal Indexed in ESCI, September 2013

Tasks In Event Organizations

Benli M. G., Küçüksakallı Ö., Solak E., Betin Onur C., Group Theory in Ankara, Scientific Congress, Ankara, Turkey, Mayıs 2019

Solak E., 4.Kadın Matematikçiler Derneği Çalıştayı, Workshop Organization, Ankara, Turkey, Nisan 2017

Pamuk S., Solak E., Koçak Benli D., Kaya Merdan S., Bozkaya C., 4th Workshop of the Association for Turkish Women in Mathematics, Scientific Congress, Ankara, Turkey, Nisan 2017

Solak E., Benli M. G., Küçüksakallı Ö., Kuzucuoğlu M., Talu E. Y., Koç A., 4th Cemal Koç Algebra Days, Scientific Congress, Ankara, Turkey, Nisan 2016

Metrics

Publication: 22

Citation (WoS): 28

Citation (Scopus): 25

H-Index (WoS): 4

H-Index (Scopus): 3

Invited Talks

Representing matrices of almost completely decomposable groups, Workshop, Türkiye Matematik Kulübü, Turkey, December 2024

Classification of special classes of almost completely decomposable groups of finite rank, Conference, New Pathways between Group Theory and Model Theory, Germany, February 2016

3.Cemal Koç Cebir Seminer Günleri, Seminar, Gebze Teknik Üniversitesi, Turkey, April 2015

Decomposability of $(1,2)$ -Groups, Seminar, Salamanca-İspanya Üniversitesi Matematik ve Fizik Bölümü haftalık seminer, Spain, December 2008

Scholarships

Frauenförderung HWP,Support of Women in Science, University, 2006 - 2007

Research Grant in Mathematics, Official Institutions of Foreign Countries, 2004 - 2006

DAAD-TEV yüksek lisans araştırma bursu, Official Institutions of Foreign Countries, 2000 - 2002