

Assoc. Prof. SUAT KOÇ

Personal Information

Office Phone: [+90 216 280 3214](tel:+902162803214)

Email: suat.koc@medeniyet.edu.tr

Web: <https://avesis.medeniyet.edu.tr/suat.koc>

Address: İstanbul Medeniyet Üniversitesi, Kuzey Yerleşkesi, H Blok Mühendislik ve Doğa Bilimleri Fakültesi, Matematik Bölüm
Ünalan Mah., D-100 Karayolu Yanyol 34700 Üsküdar / İstanbul

International Researcher IDs

ScholarID: Wjin9G0AAAAJ

ORCID: 0000-0003-1622-786X

Publons / Web Of Science ResearcherID: AAI-5671-2021

ScopusID: 57189998556

Education Information

Doctorate, Marmara University, Institute For Graduate Studies In Pure And Applied Sciences, Department Of Mathematics, Turkey 2015 - 2019

Postgraduate, Marmara University, Institute For Graduate Studies In Pure And Applied Sciences, Department Of Mathematics, Turkey 2013 - 2015

Undergraduate, Marmara University, Faculty Of Arts And Sciences, Mathematics, Turkey 2008 - 2012

Foreign Languages

English, B2 Upper Intermediate

Dissertations

Doctorate, Değişmeli Halkaların Bazı Özel İdealleri ve Modüllerin Bazı Özel Alt Modülleri, Marmara University, Institute For Graduate Studies In Pure And Applied Sciences, Department Of Mathematics, 2019

Postgraduate, Sürekli fonksiyon halkalarının bazı özel idealleri, Marmara University, Institute For Graduate Studies In Pure And Applied Sciences, Department Of Mathematics, 2015

Research Areas

Commutative Rings and Algebras, General Algebraic Systems

Academic Titles / Tasks

Associate Professor, Istanbul Medeniyet University, Faculty Of Engineering And Natural Sciences , Mathematics , 2022 - Continues

Assistant Professor, Istanbul Medeniyet University, Faculty Of Engineering And Natural Sciences , Mathematics , 2022 - 2022

Research Assistant PhD, Marmara University, Faculty Of Arts And Sciences, Mathematics, 2019 - 2022

Research Assistant, Marmara University, Faculty Of Arts And Sciences, Mathematics, 2015 - 2019

Academic and Administrative Experience

Head of Department, Istanbul Medeniyet University, Faculty Of Engineering And Natural Sciences , Mathematics , 2022 - Continues

Courses

İŞLETME VE İKTİSAT İÇİN MATEMATİK, Undergraduate, 2021 - 2022

LINEAR ALGEBRA II, Undergraduate, 2021 - 2022

Abstract Mathematics II, Undergraduate, 2021 - 2022

Discrete Mathematics, Undergraduate, 2020 - 2021, 2021 - 2022

MÜHENDİSLİKTE ANALİTİK YÖNTEMLER, Undergraduate, 2021 - 2022

Introduction to Number Theory, Undergraduate, 2020 - 2021, 2021 - 2022

Social Service Practices, Undergraduate, 2020 - 2021

Abstract Algebra I, Undergraduate, 2019 - 2020

Algebra I, Undergraduate, 2020 - 2021

Jury Memberships

Post Graduate, Post Graduate, Yıldız Teknik Üniversitesi, July, 2022

Published journal articles indexed by SCI, SSCI, and AHCI

I. On Baer modules

Jayaram C., Tekir Ü., Koç S.

Revista De La Union Matematica Argentina, vol.63, pp.1-19, 2022 (Peer-Reviewed Journal)

II. On S-comultiplication modules

Yıldız E., Tekir Ü., Koç S.

TURKISH JOURNAL OF MATHEMATICS, vol.46, no.SI-2, pp.2034-2046, 2022 (Peer-Reviewed Journal)

III. On $n-1$ -absorbing prime ideals

Ulucak G., Koç S., Tekir Ü.

JOURNAL OF ALGEBRA AND ITS APPLICATIONS, vol.22, pp.1-11, 2022 (Peer-Reviewed Journal)

IV. Commutative Graded n -Coherent and Graded valuation rings

Assarrar A., Mahdou N., Tekir Ü., Koç S.

HACETTEPE JOURNAL OF MATHEMATICS AND STATISTICS, vol.51, pp.1-11, 2022 (Peer-Reviewed Journal)

V. On ϕ - δ -Primary Submodules

Ersoy B. A. , Tekir Ü., Kaya E., Bolat M., Koç S.

Iranian Journal Of Science And Technology Transaction A-Science, vol.46, pp.1-7, 2022 (Peer-Reviewed Journal)

VI. On Modules Satisfying S-Noetherian Spectrum Condition

Özen M., Naji O. A. , Tekir Ü., Koç S.

COMMUNICATIONS IN MATHEMATICS AND STATISTICS, vol.10, pp.1-14, 2022 (Peer-Reviewed Journal)

VII. NOTES ON 1-ABSORBING PRIME IDEALS

Bouba E. M. , Tamekkante M., TEKİR Ü., Koc S.

COMPTE RENDUS DE L ACADEMIE BULGARE DES SCIENCES, vol.75, no.5, pp.631-639, 2022 (Peer-Reviewed Journal)

- VIII. **Locally torsion-free modules**
Jayaram C., Uğurlu E. A. , Tekir Ü., Koç S.
Journal of Algebra and its Applications, 2022 (Peer-Reviewed Journal)
- IX. **On weakly 2-prime ideals in commutative rings**
Koç S.
COMMUNICATIONS IN ALGEBRA, vol.49, no.8, pp.3387-3397, 2021 (Peer-Reviewed Journal)
- X. **2-absorbing phi-delta-primary ideals**
Yavuz S., Onar S., Ersoy B. A. , Tekir Ü., Koç S.
TURKISH JOURNAL OF MATHEMATICS, vol.45, no.5, pp.1927-1939, 2021 (Peer-Reviewed Journal)
- XI. **On principal element lattices**
Shum K. P. , Ulucak G., Tekir Ü., Koç S.
ALGEBRA UNIVERSALIS, vol.82, no.2, 2021 (Peer-Reviewed Journal)
- XII. **On weakly 1-absorbing prime ideals**
Koç S., Tekir Ü., Yıldız E.
RICERCHE DI MATEMATICA, 2021 (Peer-Reviewed Journal)
- XIII. **ON PSEUDO 2-PRIME IDEALS AND ALMOST VALUATION DOMAINS**
Koç S.
BULLETIN OF THE KOREAN MATHEMATICAL SOCIETY, vol.58, no.4, pp.897-908, 2021 (Peer-Reviewed Journal)
- XIV. **EISENSTEIN IRREDUCIBILITY CRITERION FOR MODULES**
Tekir Ü., Koç S.
COMPTES RENDUS DE L ACADEMIE BULGARE DES SCIENCES, vol.74, no.1, pp.23-28, 2021 (Peer-Reviewed Journal)
- XV. **Quasi regular modules and trivial extension**
Jayaram C., Tekir Ü., Koç S.
HACETTEPE JOURNAL OF MATHEMATICS AND STATISTICS, vol.50, no.1, pp.120-134, 2021 (Peer-Reviewed Journal)
- XVI. **On 1-absorbing delta-primary ideals**
El Khalfi A., Mahdou N., Tekir Ü., Koç S.
ANALELE STIINTIFICE ALE UNIVERSITATII OVIDIUS CONSTANTA-SERIA MATEMATICA, vol.29, no.3, pp.135-150, 2021 (Peer-Reviewed Journal)
- XVII. **On (m, n)-semiprime submodules**
Pekin A., Koç S., Ugurlu E. A.
PROCEEDINGS OF THE ESTONIAN ACADEMY OF SCIENCES, vol.70, no.3, pp.260-267, 2021 (Peer-Reviewed Journal)
- XVIII. **On S-Zariski topology**
Yıldız E., Ersoy B. A. , Tekir Ü., Koç S.
COMMUNICATIONS IN ALGEBRA, vol.49, no.3, pp.1212-1224, 2020 (Peer-Reviewed Journal)
- XIX. **On S-multiplication modules**
Anderson D. D. , Arabaci T., Tekir Ü., Koç S.
COMMUNICATIONS IN ALGEBRA, vol.48, no.8, pp.3398-3407, 2020 (Peer-Reviewed Journal)
- XX. **S-Artinian rings and finitely S-cogenerated rings**
Sevim E. S. , Tekir Ü., Koç S.
JOURNAL OF ALGEBRA AND ITS APPLICATIONS, vol.19, no.3, 2020 (Peer-Reviewed Journal)
- XXI. **On Divided Modules**
Tekir Ü., Ulucak G., Koç S.
IRANIAN JOURNAL OF SCIENCE AND TECHNOLOGY TRANSACTION A-SCIENCE, vol.44, no.A1, pp.265-272, 2020 (Peer-Reviewed Journal)
- XXII. **(2, J)-IDEALS IN COMMUTATIVE RINGS**
Yıldız E., Tekir Ü., Koç S.
COMPTES RENDUS DE L ACADEMIE BULGARE DES SCIENCES, vol.73, no.9, pp.1201-1209, 2020 (Peer-Reviewed Journal)

- XXIII. **Generalizations Of Second Submodules**
Gezen S. C. , Tekir Ü., Koç S., Kelleqi A.
FILOMAT, vol.34, no.12, pp.3995-4004, 2020 (Peer-Reviewed Journal)
- XXIV. **On S-2-absorbing submodules and vn-regular modules**
Ulucak G., Tekir Ü., Koç S.
ANALELE STIINTIFICE ALE UNIVERSITATII OVIDIUS CONSTANTA-SERIA MATEMATICA, vol.28, no.2, pp.239-257,
2020 (Peer-Reviewed Journal)
- XXV. **ON STRONGLY QUASI PRIMARY IDEALS**
Koç S., Tekir Ü., Ulucak G.
BULLETIN OF THE KOREAN MATHEMATICAL SOCIETY, vol.56, no.3, pp.729-743, 2019 (Peer-Reviewed Journal)
- XXVI. **On S-prime submodules**
Sengelen Sevim E., Arabaci T., Tekir Ü., Koç S.
TURKISH JOURNAL OF MATHEMATICS, vol.43, no.2, pp.1036-1046, 2019 (Peer-Reviewed Journal)
- XXVII. **On n-absorbing delta-primary ideals**
Ulucak G., Tekir Ü., Koç S.
TURKISH JOURNAL OF MATHEMATICS, vol.42, no.4, pp.1833-1844, 2018 (Peer-Reviewed Journal)
- XXVIII. **ON n-PRIME IDEALS**
Sevim E. S. , Koç S.
UNIVERSITY POLITEHNICA OF BUCHAREST SCIENTIFIC BULLETIN-SERIES A-APPLIED MATHEMATICS AND
PHYSICS, vol.80, no.2, pp.179-190, 2018 (Peer-Reviewed Journal)
- XXIX. **r-Submodules and sr-Submodules**
Koç S., Tekir Ü.
TURKISH JOURNAL OF MATHEMATICS, vol.42, no.4, pp.1863-1876, 2018 (Peer-Reviewed Journal)
- XXX. **On 2-Absorbing Quasi Primary Submodules**
Koç S., Uregen R. N. , Tekir Ü.
FILOMAT, vol.31, no.10, pp.2943-2950, 2017 (Peer-Reviewed Journal)
- XXXI. **n-Ideals of Commutative Rings**
Tekir Ü., Koç S., Oral K. H.
FILOMAT, vol.31, no.10, pp.2933-2941, 2017 (Peer-Reviewed Journal)

Articles Published in Other Journals

- I. **On graded strongly quasi primary ideals**
Abdullah R., Abu-Dawwas R., Koç S., Tekir Ü., Yıldız E.
Moroccan Journal of Algebra and Geometry with Applications, vol.2022, no.2, pp.1-9, 2022 (Peer-Reviewed Journal)
- II. **Graded weakly 1-absorbing prime ideals**
Tekir Ü., Koç S., Abu-Dawwas R., Yıldız E.
Cubo-A Mathematical Journal, vol.24, no.2, pp.1-12, 2022 (Peer-Reviewed Journal)
- III. **On graded coherent-like properties in trivial ring extensions**
Assarrar A., Mahdou N., Tekir Ü., Koç S.
BOLLETTINO DELLA UNIONE MATEMATICA ITALIANA, 2022 (Peer-Reviewed Journal)
- IV. **On phi-1-absorbing prime ideals**
Yıldız E., Tekir Ü., Koç S.
BEITRAGE ZUR ALGEBRA UND GEOMETRIE-CONTRIBUTIONS TO ALGEBRA AND GEOMETRY, vol.62, no.4, pp.907-918, 2021 (Peer-Reviewed Journal)
- V. **On modules satisfying S-dCCR condition**
Ozen M., Naji O. A. , Tekir Ü., Koç S.
BEITRAGE ZUR ALGEBRA UND GEOMETRIE-CONTRIBUTIONS TO ALGEBRA AND GEOMETRY, 2021 (Peer-Reviewed Journal)

- VI. **On graded 1-absorbing prime ideals**
 Abu-Dawwas R., Yıldız E., Tekir Ü., Koç S.
 SAO PAULO JOURNAL OF MATHEMATICAL SCIENCES, vol.15, no.1, pp.450-462, 2021 (Peer-Reviewed Journal)
- VII. **Generalization of 2-absorbing quasi primary ideals**
 Aslankarayiğit Uğurlu E., Koç S., Tekir Ü.
 Novi Sad Journal of Mathematics, vol.52, pp.1-17, 2021 (Peer-Reviewed Journal)
- VIII. **On Strongly π -Regular Modules**
 Koç S.
 Sakarya University Journal of Science, vol.24, no.4, pp.675-684, 2020 (Peer-Reviewed Journal)
- IX. **A note on finite union of primary submodules**
 Şengelen Sevim E., Arabacı T., Tekir Ü., Koç S.
 Eurasian Bulletin of Mathematics, vol.2, no.1, pp.32-35, 2019 (Peer-Reviewed Journal)
- X. **On Graded 2-Absorbing Quasi Primary Ideals**
 Üregen R. N. , Tekir Ü., Shum K. P. , Koç S.
 SOUTHEAST ASIAN BULLETIN OF MATHEMATICS, vol.43, no.4, pp.601-613, 2019 (Peer-Reviewed Journal)
- XI. **Strongly prime submodules and strongly 0-dimensional modules**
 Bilgin Z., Koç S., Özkirişci N. A.
 ALGEBRA & DISCRETE MATHEMATICS, vol.28, no.2, pp.171-183, 2019 (Peer-Reviewed Journal)
- XII. **A note on primary spectrum over commutative rings**
 Özkirişci N. A. , Kılıç Z., Koç S.
 Analele Stiintifice Ale Universitatii Al I Cuza Din Iasi-Serie Noua-Matematica, vol.64, pp.111-119, 2018 (Peer-Reviewed Journal)
- XIII. **A short note on a generalization of pure ideals in commutative semigroups**
 Akça F., Koç S.
 International Mathematical Forum, vol.12, pp.635-641, 2017 (Peer-Reviewed Journal)
- XIV. **On 2-Absorbing Quasi-Primary Ideals in Commutative Rings**
 Tekir Ü., Koç S., Oral K. H. , Shum K. P.
 COMMUNICATIONS IN MATHEMATICS AND STATISTICS, vol.4, no.1, pp.55-62, 2016 (Peer-Reviewed Journal)
- XV. **r-Ideals of commutative semigroups**
 Erbay M. A. , Tekir Ü., Koç S.
 International Journal of Algebra, vol.10, no.11, pp.525-533, 2016 (Peer-Reviewed Journal)

Refereed Congress / Symposium Publications in Proceedings

- I. **ϕ -s-prime Ideals Of Commutative Rings**
 Bolat M., Kaya E., Onar S., Koç S., Ersoy B. A. , Tekir Ü.
 ICASEM 4th International Applied Sciences, Engineering and Mathematics Congress, Tekirdağ, Turkey, 20 - 23 October 2022, pp.11
- II. **φ -weakly Second Submodules**
 Çeken S., Koç S., Tekir Ü.
 ICASEM 4th International Applied Sciences, Engineering and Mathematics Congress, Tekirdağ, Turkey, 20 - 23 October 2022, pp.8
- III. **On Phi-Delta Primary Submodules**
 Kaya E., Bolat M., Ersoy B. A. , Tekir Ü., Koç S.
 3RD INTERNATIONAL CONFERENCE ON LIFE AND ENGINEERING SCIENCES (ICOLES 2020), İstanbul, Turkey, 11 - 13 December 2020
- IV. **2- Absorbing ϕ - δ -Primary Ideals**
 Yavuz S., Koç S., Onar S., Ersoy B. A. , Tekir Ü.
 3RD INTERNATIONAL CONFERENCE ON LIFE AND ENGINEERING SCIENCES (ICOLES 2020), İstanbul, Turkey, 11 - 13 December 2020

- V. **A study on a graph of modules over commutative rings**
Koç S.
3rd International Conference on Mathematical and Related Sciences: Current Trends and Developments (ICMRS 2020), Ağrı, Turkey, 20 - 22 November 2020
- VI. **A Generalization of Zariski Topology**
Yıldız E., Ersoy B. A. , Tekir Ü., Koç S.
4. International Conference on Mathematics: An Istanbul Meeting for World Mathematicians, İstanbul, Turkey, 27 - 30 October 2020
- VII. **On Principal Ideal Multiplication Modules**
Koç S.
III. INTERNATIONAL ANKARA CONFERENCE ON SCIENTIFIC RESEARCH, Ankara, Turkey, 2 - 04 October 2020
- VIII. **ON S-PRIME SUBMODULES**
Şengelen Sevim E., Arabacı T., Tekir Ü., Koç S.
INTERNATIONAL GÖBEKLİTEPE APPLIED SCIENCES CONGRESS, Şanlıurfa, Turkey, 5 - 07 June 2020
- IX. **A note on Factorial Modules**
Tekir Ü., Koç S.
INTERNATIONAL GÖBEKLİTEPE APPLIED SCIENCES CONGRESS, Şanlıurfa, Turkey, 5 - 07 June 2020
- X. **THE DUAL NOTION OF S-MULTIPLICATION MODULES**
Yıldız E., Tekir Ü., Koç S.
INTERNATIONAL GÖBEKLİTEPE APPLIED SCIENCES CONGRESS, Şanlıurfa, Turkey, 5 - 07 June 2020
- XI. **On Modules Satisfying S-DCCR Condition**
Najı O. A. , Özen M., Tekir Ü., Koç S.
INTERNATIONAL GÖBEKLİTEPE APPLIED SCIENCES CONGRESS, Şanlıurfa, Turkey, 5 - 07 June 2020
- XII. **A STUDY ON PHI-2-ABSORBING QUASI PRIMARY IDEALS**
Aslankarayiğit Uğurlu E., Tekir Ü., Koç S.
INTERNATIONAL GÖBEKLİTEPE APPLIED SCIENCES CONGRESS, Şanlıurfa, Turkey, 5 - 07 June 2020
- XIII. **n Ideals of Commutative rings**
Koç S., Tekir Ü., Oral K. H.
ATA2016 Analysis, Topology and Algebra, Chachak, Serbia, 6 - 09 July 2016
- XIV. **Weakly Prime Ideals In Commutative Semigroups**
Tekir Ü., Üregen R. N. , Sever M., Koç S.
2ND INTERNATIONAL CONFERENCE ON ADVANCES IN NATURAL AND APPLIED SCIENCES ICANAS 2017 Antalya, TURKEY April 18-21, 2017, Antalya, Turkey, 18 - 21 April 2017, pp.67
- XV. **On Graded 2-Absorbing Quasi Primary Ideals**
Üregen R. N. , Tekir Ü., Koç S.
INTERNATIONAL CONFERENCE ON MATHEMATICS AND ENGINEERING, İstanbul, Turkey, 10 - 12 May 2017
- XVI. **On Strongly Prime Submodules and Strongly 0-dimensional Modules**
Özkirişçi N. A. , Bilgin Z., Koç S.
INTERNATIONAL CONFERENCE ON MATHEMATICS AND ENGINEERING, İstanbul, Turkey, 10 - 12 May 2017
- XVII. **A covering condition for primary spectrum**
Özkirişçi N. A. , Kılıç Z., Koç S.
The International Conference on Algebra and its Applications, Miknas, Morocco, 26 - 28 April 2017
- XVIII. **On 2 Absorbing Quasi Primary Submodules**
Koç S., Üregen R. N. , Tekir Ü.
Analysis, Topology and Algebra (ATA2016) , Chachak, Serbia, 6 - 09 July 2016
- XIX. **Rings of Continuous Functions**
Tekir Ü., Oral K. H. , Koç S.
Applied Mathematics Approximation Theory - AMAT 2015, Ankara, Turkey, 28 - 31 May 2015

Activities in Scientific Journals

Eurasian Bulletin of Mathematics, Editor, 2018 - 2022

Scientific Refereeing

Khayyam Journal of Mathematics, Journal Indexed in ESCI, September 2022

Journal of Mathematics, Journal Indexed in SCI-E, September 2022

Khayyam Journal of Mathematics, Journal Indexed in ESCI, July 2022

Moroccan Journal of Algebra and Geometry with Applications, Other Indexed Journal, June 2022

FUNDAMENTAL JOURNAL OF MATHEMATICS AND APPLICATIONS (ONLINE), National Scientific Refreed Journal, June 2022

JOURNAL OF ALGEBRA AND ITS APPLICATIONS, Journal Indexed in SCI-E, June 2022

Missouri Journal of Mathematical Sciences , Journal Indexed in ESCI, June 2022

Heliyon, Journal Indexed in ESCI, March 2022

Missouri Journal of Mathematical Sciences, Journal Indexed in ESCI, March 2022

FILOMAT, Journal Indexed in SCI-E, February 2022

TURKISH JOURNAL OF MATHEMATICS, Journal Indexed in SCI-E, January 2022

MATHEMATICS, Journal Indexed in SCI-E, November 2021

Demonstratio Mathematica, Journal Indexed in ESCI, August 2021

Kyungpook Mathematical Journal, Journal Indexed in ESCI, August 2021

Missouri Journal of Mathematical Sciences, Journal Indexed in ESCI, July 2021

TAIWANESE JOURNAL OF MATHEMATICS, Journal Indexed in SCI-E, July 2021

Journal of Mathematical Extension, Journal Indexed in ESCI, July 2021

IRANIAN JOURNAL OF SCIENCE AND TECHNOLOGY TRANSACTION A-SCIENCE, Journal Indexed in SCI-E, June 2021

Khayyam Journal of Mathematics, Journal Indexed in ESCI, January 2021

FILOMAT, Journal Indexed in SCI-E, December 2020

Southeast Asian Bulletin of Mathematics, Journal Indexed in ESCI, December 2020

Journal of Mathematical Extension, Journal Indexed in ESCI, November 2020

Demonstratio Mathematica, Journal Indexed in ESCI, October 2020

Novi Sad Journal of Mathematics, Journal Indexed in ESCI, July 2020

FILOMAT, Journal Indexed in SCI-E, July 2020

QUAESTIONES MATHEMATICAE, Journal Indexed in SCI-E, October 2019

Iranian Journal of Mathematical Sciences and Informatics, Journal Indexed in ESCI, March 2019

Communications Faculty of Sciences University of Ankara Series A1 Mathematics and Statistics, Journal Indexed in ESCI, December 2018

Tasks In Event Organizations

Tiryakioğlu B., Koç S., III. Marmara Matematik Günleri (MMG 2017), Scientific Congress, İstanbul, Turkey, Eylül 2017

Tiryakioğlu B., Koç S., International Conferernce on Applied Analysis and Mathematical Modelling (ICAAMM'17), Scientific Congress, İstanbul, Turkey, Temmuz 2017

Metrics

Publication: 65

Citation (WoS): 109

Citation (Scopus): 188

H-Index (WoS): 7

H-Index (Scopus): 8

Scholarships

YURT İÇİ DOKTORA BURSUSU, TUBITAK, 2015 - 2019

YURT İÇİ YÜKSEK LİSANS BURSUSU, TUBITAK, 2013 - 2015

Awards

Koç S., Ulakbim Uluslararası Bilimsel Yayın Teşvik Programı, Ulakbim, August 2022

Koç S., Ulakbim Uluslararası Bilimsel Yayın Teşvik Programı, Ulakbim, January 2022

Koç S., Ulakbim Uluslararası Bilimsel Yayın Teşvik Programı, Ulakbim, October 2019

Koç S., Ulakbim Uluslararası Bilimsel Yayın Teşvik Programı, Ulakbim, September 2019