

Dr. Öğr. Üyesi BUKET ÖZKAYA

Kişisel Bilgiler

İş Telefonu: [+90 312 210 5613](tel:+903122105613)

E-posta: ozkayab@metu.edu.tr

Web: <https://avesis.metu.edu.tr/ozkayab>

Uluslararası Araştırmacı ID'leri

ScholarID: Vow8aHIAAAAJ

ORCID: 0000-0003-2658-5441

Publons / Web Of Science ResearcherID: HJA-5809-2022

ScopusID: 57190189096

Yoksis Araştırmacı ID: 388827

Eğitim Bilgileri

2010 - 2014	Doktora, Sabancı Üniversitesi, Mühendislik Ve Doğa Bilimleri Fakültesi, Türkiye
2006 - 2009	Yüksek Lisans, Georg-August-Universitaet Göttingen, Mathematics, Almanya
2001 - 2006	Lisans, Boğaziçi Üniversitesi, Fen-Edebiyat Fakültesi, Matematik Bölümü, Türkiye

Araştırma Alanları

Cisim Kuramı ve Polinomlar

SCI, SSCI ve AHCI İndekslerine Giren Dergilerde Yayınlanan Makaleler

- I. On a class of permutation trinomials over finite fields**
Özkaya B., Gülmez Temür B.
TURKISH JOURNAL OF MATHEMATICS, cilt.48, sa.4, ss.778-792, 2024 (SCI-Expanded)
- II. On some permutation trinomials in characteristic three**
Özkaya B., Gülmez Temür B.
HACETTEPE JOURNAL OF MATHEMATICS AND STATISTICS, cilt.1, ss.1, 2024 (SCI-Expanded)
- III. New distance bounds for quasi-cyclic codes**
Özkaya B., Özbudak F.
DESIGNS, CODES, AND CRYPTOGRAPHY, cilt.1, ss.1, 2024 (SCI-Expanded)
- IV. Improved Spectral Bound for Quasi-Cyclic Codes**
Luo G., Ezerman M. F., Ling S., Özkaya B.
IEEE TRANSACTIONS ON INFORMATION THEORY, cilt.70, sa.6, ss.4002-4015, 2024 (SCI-Expanded)
- V. Complete Characterization of a Class of Permutation Trinomial in Characteristic Five**
Grassl M., Özbudak F., Özkaya B., Gülmez Temür B.
CRYPTOGRAPHY AND COMMUNICATIONS, cilt.16, ss.825-841, 2024 (SCI-Expanded)
- VI. Quasi-twisted codes as contractions of quasi-cyclic codes**
Özkaya B., Özbudak F.
ADVANCES IN MATHEMATICS OF COMMUNICATIONS, cilt.18, sa.2, ss.394-409, 2023 (SCI-Expanded)
- VII. A Comparison of Distance Bounds for Quasi-Twisted Codes**
Ezerman M. F., Lampos J. M., Ling S., Ozkaya B., Tharnnukhroh J.
IEEE TRANSACTIONS ON INFORMATION THEORY, cilt.67, sa.10, ss.6476-6490, 2021 (SCI-Expanded)
- VIII. New bounds on the minimum distance of cyclic codes**
Ling S., ÖZKAYA B.
Advances in Mathematics of Communications, cilt.15, sa.1, ss.1-8, 2021 (SCI-Expanded)

- IX. **On complementary dual multinegacirculant codes**
Alahmadi A., Guneri C., Ozkaya B., Shoaib H., Sole P.
CRYPTOGRAPHY AND COMMUNICATIONS-DISCRETE-STRUCTURES BOOLEAN FUNCTIONS AND SEQUENCES, cilt.12, sa.1, ss.101-113, 2020 (SCI-Expanded)
- X. **Multidimensional quasi-twisted codes: equivalent characterizations and their relation to multidimensional convolutional codes**
Ling S., Ozkaya B.
DESIGNS CODES AND CRYPTOGRAPHY, cilt.87, sa.12, ss.2941-2965, 2019 (SCI-Expanded)
- XI. **On Linear Complementary Pair of nD Cyclic Codes**
Guner C., Ozkaya B., Sayici S.
IEEE COMMUNICATIONS LETTERS, cilt.22, sa.12, ss.2404-2406, 2018 (SCI-Expanded)
- XII. **On Linear Complementary Pairs of Codes**
CARLET C., Guneri C., ÖZBUDAK F., Ozkaya B., SOLE P.
IEEE TRANSACTIONS ON INFORMATION THEORY, cilt.64, sa.10, ss.6583-6589, 2018 (SCI-Expanded)
- XIII. **Structure and performance of generalized quasi-cyclic codes**
Guner C., ÖZBUDAK F., Ozkaya B., Sacikara E., SEPASDAR Z., SOLÉ P.
FINITE FIELDS AND THEIR APPLICATIONS, cilt.47, ss.183-202, 2017 (SCI-Expanded)
- XIV. **On self-dual double negacirculant codes**
Alahmadi A., Guneri C., Ozkaya B., Shoaib H., Sole P.
DISCRETE APPLIED MATHEMATICS, cilt.222, ss.205-212, 2017 (SCI-Expanded)
- XV. **QUASI-CYCLIC SUBCODES OF CYCLIC CODES**
Belfiore J., Guneri C., Ozkaya B.
SIAM JOURNAL ON DISCRETE MATHEMATICS, cilt.31, sa.2, ss.1454-1475, 2017 (SCI-Expanded)
- XVI. **Multidimensional Quasi-Cyclic and Convolutional Codes**
Guner C., Ozkaya B.
IEEE TRANSACTIONS ON INFORMATION THEORY, cilt.62, sa.12, ss.6772-6785, 2016 (SCI-Expanded)
- XVII. **Quasi-cyclic complementary dual codes**
Guner C., Ozkaya B., Sole P.
FINITE FIELDS AND THEIR APPLICATIONS, cilt.42, ss.67-80, 2016 (SCI-Expanded)
- XVIII. **A minimum distance bound for quasi-nD-cyclic codes**
ÖZBUDAK F., Ozkaya B.
FINITE FIELDS AND THEIR APPLICATIONS, cilt.41, ss.193-222, 2016 (SCI-Expanded)

Diğer Dergilerde Yayınlanan Makaleler

- I. **The combinatorics of LCD codes: linear programming bound and orthogonal matrices**
Dougherty S., Kim J., Özkaya B., Sok L., Sole P.
International Journal of Information and Coding Theory, cilt.4, sa.2-3, ss.116-128, 2017 (Hakemli Dergi)

Kitap & Kitap Bölümleri

- I. **Quasi-cyclic codes**
Özkaya B., Güner C., Ling S.
A Concise Encyclopedia of Coding Theory, W. Cary Huffman, Jon-Lark Kim, Patrick Solé, Editör, CRC, New York, New York, ss.129-150, 2021

Hakemli Kongre / Sempozyum Bildiri Kitaplarında Yer Alan Yayınlar

- I. **Spectral Bounds for Quasi-Twisted Codes**

Ezerman M. F., Ling S., Ozkaya B., Tharnnukhroh J.

IEEE International Symposium on Information Theory (ISIT), Paris, Fransa, 7 - 12 Temmuz 2019, ss.1922-1926

II. **Good Stabilizer Codes from Quasi-Cyclic Codes over F_4 and F_9**

Ezerman M. F., Ling S., Ozkaya B., Sole P.

IEEE International Symposium on Information Theory (ISIT), Paris, Fransa, 7 - 12 Temmuz 2019, ss.2898-2902

Desteklenen Projeler

2024 - 2026

Ortogonal Kodlar (Arrays), Kaplama Yarıçapı, LCD Kodları, Bayrak Kodları ve İlgili Alanlar Üzerine Araştırma, TÜBİTAK Uluslararası İkili İşbirliği Projesi

Metrikler

Yayın: 23

Atıf (WoS): 201

Atıf (Scopus): 198

H-İndeks (WoS): 6

H-İndeks (Scopus): 6