Assist. Prof. Dr. MERVE BULUT YILGÖR

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EDUCATIONAL INFORMATION

Degree	University	Department	Year(s)
Doctoral Degree	Yildiz Technical University	Mathematics Department	2013 - 2020
Master's Degree	Yildiz Technical University	Mathematics Department	2011 - 2013
Bachelor's Degree	Yildiz Technical University	Mathematics Department	2007 - 2011

RESEARCH AREAS

Algebraic Coding Theory, DNA Codes

ACADEMIC DUTIES

Duty	University	Area	Year(s)
Doctor Faculty Member	Altinbas University	Basic Sciences Department	2020 -
Research Assistant	Yıldız Technical University	Mathematics Department	2014 - 2020

ADMINISTRATIVE DUTIES

Duty	University	Year(s)
Vice Head of Department	Altınbaş University	2020 -

ACADEMIC AND PROFESSIONAL MEMBERSHIPS

Organisation	Membership	Year(s)

NON-UNIVERSITY EXPERIENCE

Country	Organisation	Duty	Year(s)

BOOKS

ARTICLES

Reversible codes and applications to DNA codes over $ F_{4^{2t}}[u]/(u^2-1) $
Alsuraiheed Turki, ÖZTAŞ ELİF SEGAH, Ali Shakir, BULUT YILGÖR MERVE
American Institute of Mathematical Sciences (AIMS), 2023
International DOI: 10.3934/math.20231421

A novel method for determining the non-CDS region by using error-correcting codes
ÖZTAŞ ELİF SEGAH, BULUT YILGÖR MERVE
Journal of Engineering Technology and Applied Science, 2022
International DOI: 10.30931/jetas.1192924

Cyclic codes over $${\mathbb {F}}_2 +u{\mathbb {F}}_2+v{\mathbb {F}}_2 +v^2 {\mathbb {F}}_2 $$ with respect to the homogeneous weight and their applications to DNA codes
BULUT YILGÖR MERVE, GÜRSOY FATMANUR, ÖZTAŞ ELİF SEGAH, DEMİRKALE FATİH
Applicable Algebra in Engineering, Communication and Computing, 2020
International DOI: 10.1007/s00200-020-00416-0

ARTICLES

ON PERFECT CODES IN THE LEE-ROSENBLOOM-TSFASMAN-JAIN METRIC
BULUT YILGÖR MERVE,DEMİRKALE FATİH
Sigma Journal of Engineering and Natural Sciences, 2019
International

PROCEEDINGS

Detection of NON-CDS Region Using Error-Correcting Codes
BULUT YILGÖR MERVE, ÖZTAŞ ELİF SEGAH
International Congress on Fundemantel and Applied Science, 2022
International

DETECTION OF NON-CDS REGION USING ERROR-CORRECTING CODES
BULUT YILGÖR MERVE, ÖZTAŞ ELİF SEGAH
9th International Congress on Fundamental and Applied Sciences (ICFAS2022), 2022
International

An Application On Dna Codes
BULUT YILGÖR MERVE, ÖZTAŞ ELİF SEGAH, DEMİRKALE FATİH
International Congress on Fundamental and Applied Sciences (ICFAS2021), 2021
International

An Application on DNA Codes
BULUT YILGÖR MERVE, ÖZTAŞ ELİF SEGAH, DEMİRKALE FATİH
International Congress on Fundemantel and Applied Science, 2021
International

Cyclic codes over a special non-chain ring with respect to the homogeneous weight
BULUT YILGÖR MERVE, ÖZTAŞ ELİF SEGAH, DEMİRKALE FATİH
International Conference on Mathematical Advences and Applications ICOMAA 2019, 2019
International

Some DNA codes over F_2
ÖZTAŞ ELİF SEGAH,BULUT YILGÖR MERVE,GÜRSOY FATMANUR,DEMİRKALE FATİH
6th International Congress on Fundamental and Applied Sciences (ICFAS2019), 2019
International

Some properties of m−spotty Rosenbloom−Tsfasmanspaces
BULUT YILGÖR MERVE,ŞİAP VEDAT
International Congress on Fundamental and Applied Sciences, 2016
International

A NOTE ON M-SPOTTY ROSENBLOOM-TSFASMAN SPACES
BULUT YILGÖR MERVE,ŞİAP VEDAT
The Second InternationalConference on Mathematics andStatistics, 2015
International

On perfect codes in the Lee-Rosenbloom-Tsfasman-Jain metric
BULUT YILGÖR MERVE,ŞİAP VEDAT
WESTERN BALKAN CONFERENCE OF MATHEMATICAL SCIENCES, 2013
International

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National

PROJECTS

PROJECTS

Cebirsel Kodlar ile Covid-19 Gen Dizilerinin İncelenmesi (Executive)
Scientific research project supported by Higher Education Institutions, 21.01.2021 - 15.11.2022
National Completed

Cebirsel kodlar ile Covid-19 gen dizilerinin incelenmesi (Executive)
Scientific research project supported by Higher Education Institutions, 21.01.2021 - 15.11.2022
National Completed

Bazı Sonlu Halkalar Üzerinde Tanımlı Ters Sıralı Tamlama Kodlar Ve DNA ya Uygulamaları (Scholar)
TÜBİTAK Project, 15.09.2013 - 15.09.2015
National Completed

Bazı Özel Sınıflara ait Kodların Sınıflandırılması (Researcher)
Scientific research project supported by Higher Education Institutions, 10.06.2015 - 06.02.2020
National Completed

Cisim Ve Halkalar Üzerinde Tanimli 2 Boyutlu Hücresel Dönüşümlerin Cebirsel Yapilari Ve Davranişlar (Scholar)
TÜBİTAK Project, 01.05.2013 -
National Completed

THESIS SUPERVISION

Simulation by matlab in renewable energy systems and devices
HALAH KAREEM ATTALIA ATTALLA
2023 Master's Degree

Calibration optimization of strapping table data in horizontal fuel storage tanks using 3D laser scanning
AHMED JASIM MOHAMMED ALISHAQEE
2023 Master's Degree

Developing scalable data warehouse with big data requirements
NADA MUAAD ABDULLAH ABDULLAH
2023 Master's Degree

Analysis and detection of cyberattacks using encryption techniqueson cloud computing
AHMED HASAN ABDULWAHHAB AL-SAEDI
2022 Master's Degree

An efficient application based on deep learning techniques for brain MRI recognition
ABDULLAH IBRAHIM ABDULLAH
2022 Master's Degree

COURSES

Course Type	Course Code	Course Name
Bachelor's Degree	MATH131	MATH FOR BUSINESS I
Bachelor's Degree	MATH132	MATH FOR BUSINESS II
Bachelor's Degree	MATH101	MATHEMATICS FOR SOCIAL SCIENCES I
Bachelor's Degree	MATH317	NUMERICAL ANALYSIS
Bachelor's Degree	MATH220	PROBABILITY AND STATISTICS
Bachelor's Degree	MATH125.1	MATHEMATICS FOR ARCHITECTURE I
Master's Degree	EBM500	MÜHENDİSLİK İÇİN İLERİ MATEMATİK
Bachelor's Degree	MATH155	MATHEMATICS FOR HEALTH SCIENCES
Master's Degree	CVE599	MASTER THESIS

COURSES

Bachelor's Degree   MATH240   LINEAR ALGEBRA

PERSONAL INFORMATION

CONTACT INFORMATION

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