

VOLUME VII ISSUE I
ISSN 2619-9653

June 2024
<http://dergipark.gov.tr/ujma>

UNIVERSAL JOURNAL OF MATHEMATICS AND APPLICATIONS

The logo consists of the letters 'UJMA' in a bold, red, stylized font. The 'U' is a simple, rounded shape. The 'J' has a curved bottom and a small hook. The 'M' is composed of two vertical strokes with a curved top. The 'A' is a simple, rounded shape with a small hook at the top right.

Editor in Chief

Merve İlkhān Kara
Department of Mathematics
Faculty of Arts and Sciences, Düzce University
Düzce-TÜRKİYE
merveilkhan@duzce.edu.tr

Managing Editors

Mahmut Akyiğit
Department of Mathematics
Faculty of Science, Sakarya University
Sakarya-TÜRKİYE
mahmutakyigit@gmail.com

Emrah Evren Kara
Department of Mathematics
Faculty of Arts and Sciences, Düzce University
Düzce-TÜRKİYE
eevrenkara@duzce.edu.tr

Editorial Board of Universal Journal of Mathematics and Applications

Vildan Öztürk
Ankara Hacı Bayram Veli University
TÜRKİYE

Sidney Allen Morris
Federation University
AUSTRALIA

Yanlin Li
Hangzhou Normal University
CHINA

Stoil I. Ivanov
University of Plovdiv Paisii Hilendarski
BULGARIA

Feng Qi
Henan Polytechnic University
CHINA

Murad Özkoç
Muğla Sıtkı Koçman University
TÜRKİYE

Cristina Flaut
Ovidius University
ROMANIA

Önder Gökmen Yıldız
Bilecik Şeyh Edebali University
TÜRKİYE

Statistics Editor

Yeşim Güney
Department of Statistic
Ankara University
Ankara-TÜRKİYE

Technical Editor

Zehra İşbilir
Department of Mathematics
Faculty of Arts and Sciences
Düzce University
Düzce-TÜRKİYE

Contents

1	Extension of Synthetic Division and Its Applications <i>Aschale Moges Belay, Snehashish Chakraverty</i>	59-67
2	Some Identities and Generating Functions for Bidimensional Balancing and Cobalancing Sequences <i>José Chimpanzo, Paula Catarino, M. Victoria Otero-Espinar</i>	68-75
3	Lacunary Invariant Statistical Convergence in Fuzzy Normed Spaces <i>Şeyma Yalvaç</i>	76-82
4	Z^* -Tensor on $N(k)$ -Contact Metric Manifolds Admitting Ricci Soliton Type Structure <i>Abhishek Singh, Sudhakar Kumar Chaubey, Sunil Kumar Yadav, Shraddha Patel</i>	83-92
5	On Weighted Cauchy-Type Problem of Riemann-Liouville Fractional Differential Equations in Lebesgue Spaces with Variable Exponent <i>Mokhtar Mokhtari, Ahmed Refice, Mohammed Said Soud, Ali Yakar</i>	93-101