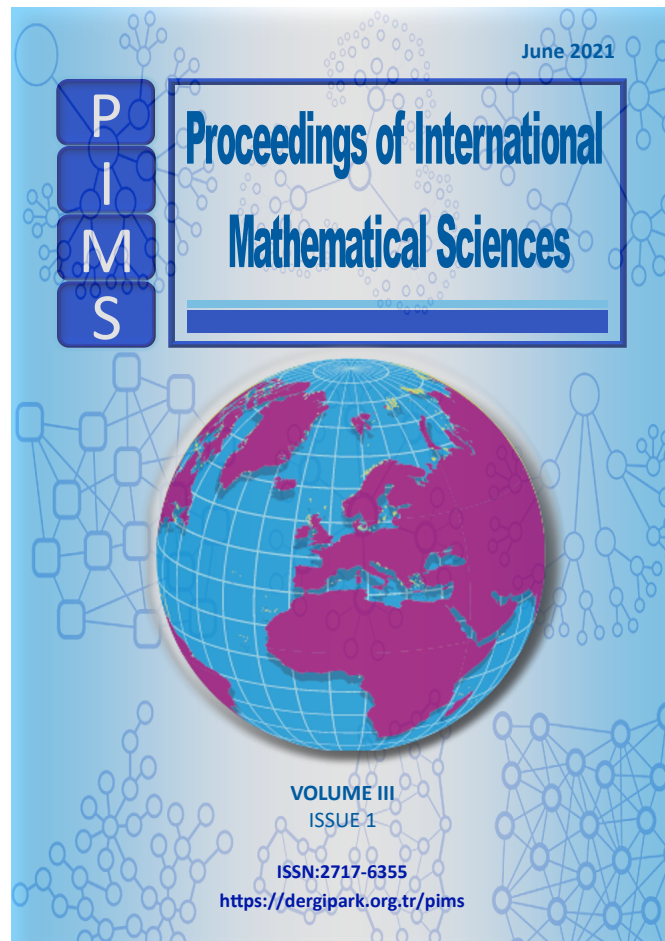


VOLUME III ISSUE 1  
<https://dergipark.org.tr/tr/pub/pims>  
ISSN:2717-6355

June 2021

# PROCEEDINGS OF INTERNATIONAL MATHEMATICAL SCIENCES



---

## Editor-in-Chief

---

Hüseyin Çakallı  
Maltepe University, Istanbul, Turkey  
hcakalli@gmail.com

---

## Managing Editor

---

Fuat Usta  
Düzce University, Düzce, Türkiye  
fuatusta@duzce.edu.tr

---

## Editorial Board

---

Hüseyin Çakallı, (Maltepe University, Istanbul, Turkey), Topology, Sequences, series, summability, abstract metric spaces

Mehmet Dik, (Rockford University, Rockford, IL, USA), Sequences, Series, and Summability

Robin Harte, (School of Mathematics, Trinity College, Dublin 2, Ireland), Spectral Theory

Ljubisa D.R. Kocinac, (University of Nis, Nis, Serbia), Topology, Functional Analysis

Richard F. Patterson, North Florida University, Jacksonville, FL, USA, Functional Analysis, Double sequences,

Marcelo Moreira Cavalcanti, Departamento de Matemática da Universidade Estadual de Maringá, Brazil, Control and Stabilization of Distributed Systems

Özay Gürtuğ, (Maltepe University, İstanbul, Turkey), Mathematical Methods in Physics

Pratulananda Das, Jadavpur University, Kolkata, West Bengal, India, Topology

Valéria Neves DOMINOS CAVALCANTI, Departamento de Matemática da Universidade Estadual de Maringá, Brazil, Control and Stabilization of Distributed Systems, differential equations

Ekrem Savas, (Usak University, Usak, Turkey), Sequences, series, summability, Functional Analysis,

İzzet Sakallı, (Eastern Mediterranean University, TRNC), Mathematical Methods in Physics

Allaberen Ashyralyev, (Near East University, TRNC), Numerical Functional Analysis

Bipan Hazarika, Rajiv Gandhi University, Assam, India, Sequence Spaces, fuzzy Analysis and Functional Analysis, India

Fuat Usta, Duzce University, Duzce, Turkey, Applied Mathematics,

Ahmet Mesut Razbonyalı, (Maltepe University, Istanbul, Turkey), Computer Science and Technology

Şahin Uyaver, (Turkish German University, Istanbul, Turkey), Computer Science and Technology

Müjgan Tez, (Marmara University, Istanbul, Turkey), Statistics

Mohammad Kazim KHAN, Kent State University, Kent, Ohio, USA Applied Statistics, Communication and Networking, Mathematical Finance, Optimal designs of experiments, Stochastic Methods in Approximation Theory, Analysis and Summability Theory

A. Duran Türkoğlu, (Gazi University, Ankara, Turkey), Fixed point theory

Idris Dag, Eskisehir Osmangazi University, Eskisehir, Turkey, Statistics

Ibrahim Canak, (Ege University, Izmir, Turkey), Summability theory, Weighted means, Double sequences

Taja Yaying, Dera Natung Government College, Itanagar, India, Summability, Sequence and Series

Naim L. Braha, University of Prishtina, Prishtina, Republic of Kosova, Functional Analysis

Hacer SENGUL KANDEMİR, Harran University, Sanliurfa, Turkey, Functional Analysis, Sequences, Series, and Summability

Hakan Sahin Amasya University, Turkey, Fixed Point Theory

---

## Publishing Board

---

Hüseyin Çakallı, hcakalli@gmail.com, Maltepe University, Graduate Institute, Marmara Egitim Koyu, Maltepe, Istanbul, Turkey

Robin Harte, hartere@gmail.com, School of Mathematics Trinity College, Dublin, 2, Ireland

Ljubisa Kocinac, lkocinac@gmail.com, University of Nis, Serbia

# Contents

1	A New Variation on Absolute Summability <i>Şebnem YILDIZ</i>	1-9
2	Cold Weather Teams in the National Football League and Home-Field Advantage <i>Brandon JOLY, Mehmet DİK</i>	10-24
3	Numerical Simulation of the Reduced Field Influence on the Evolution of Nitrogen Oxides Present in the Mixture $N_2/O_2/H_2O/CO_2$ Bathed in an out-of- Equilibrium Plasma <i>Ferouani ABDEL KARİM, Lemerini MOSTEFA</i>	25-31
4	Development of an Information System for Storing Digitized Works of the Almaty Akademgorodok Research Institutes <i>Nurlan TEMİRBEKOV, Dossan BAĠGEREYEV, Almas TEMİRBEKOV, Bakytzhan OMİRZHANOVA</i>	32-37
5	Derivation of Black-Scholes Equation Using Itô's Lemma <i>Brandon WASHBURN, Mehmet DİK</i>	38-49