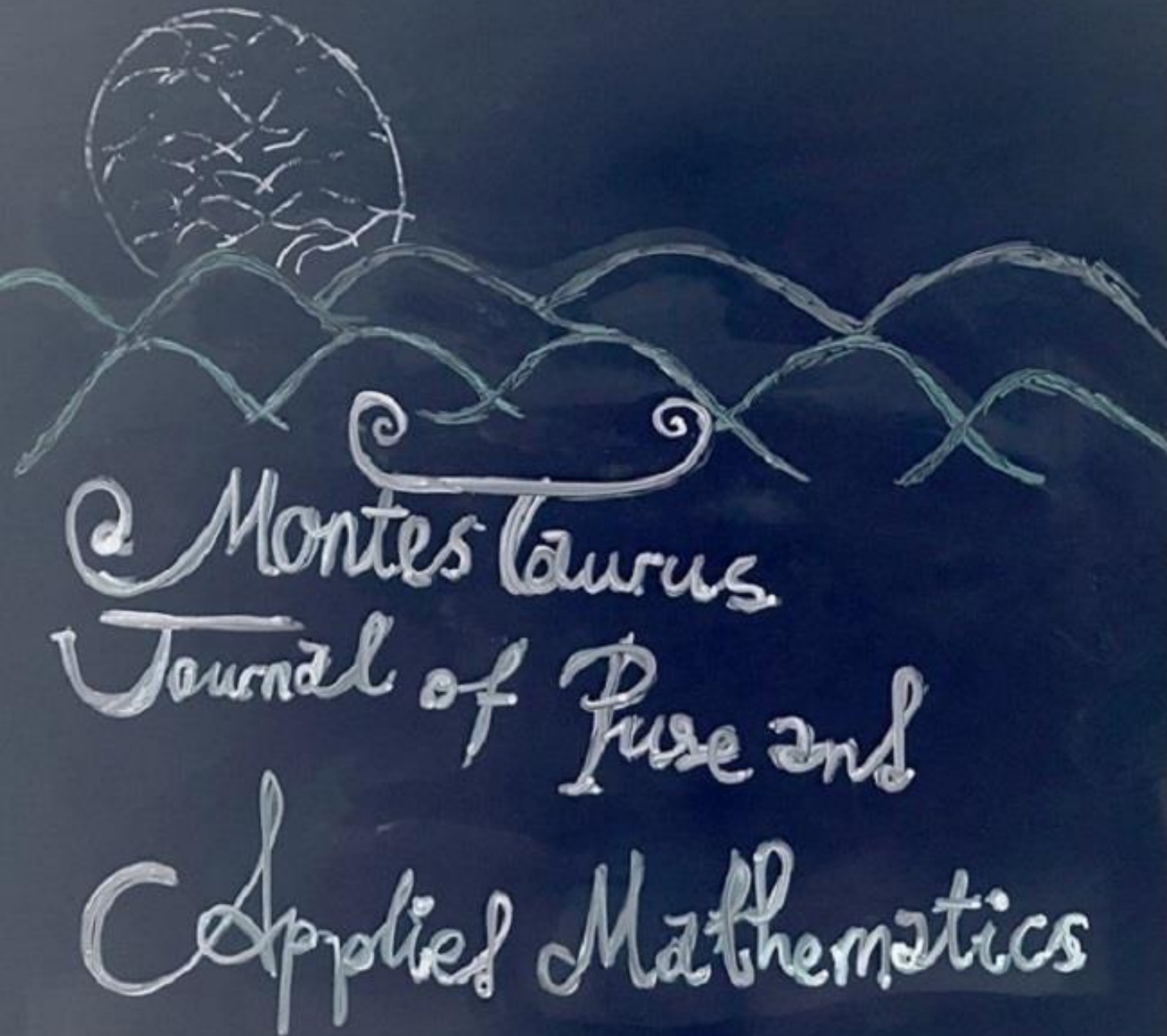


# Montes Taurus Journal of Pure and Applied Mathematics



**FOUNDER & EDITOR-IN-CHIEF**

**Prof.Dr. Yilmaz SIMSEK, Akdeniz University, Turkey**

<https://mtjpamjournal.com/>

**VOLUME 3 / ISSUE 1 / YEAR 2021**

- ❑ The Montes Taurus Journal of Pure and Applied Mathematics (MTJPAM) features selected research articles that represent the broad spectrum of interest in contemporary Pure and Applied Mathematics, Statistics and allied areas. A valuable resource for mathematicians and statistics, the journal provides an international forum for the publication of original research in this field.
- ❑ The Montes Taurus Journal of Pure and Applied Mathematics (MTJPAM) is encouraging submissions of quality, long articles where most or all of the technical details are included. The journal now considers and welcomes also papers are interested in Pure and Applied Mathematics and allied areas.
- ❑ The Montes Taurus Journal of Pure and Applied Mathematics (MTJPAM) is a **single-blind refereed journal**. The abbreviation of this journal is **Montes Taurus J. Pure Appl. Math.** The Montes Taurus Journal of Pure and Applied Mathematics is published at least twice a year and also **this journal is free of charge**.
- ❑ **Inspiration of name of journal:** The name of this journal comes from the famous mountains called “Taurus Mountains” which are composed of a combination of sequential mountains in the Mediterranean region of Turkey. It is well-known that “Montes Taurus” is also an irregularly nested and extremely complex region on the moon surface. The Montes Taurus were so-called after Taurus Mountains which lie down as parallel to Mediterranean sea.

## EDITORIAL BOARD

### Founder & Editor-in-Chief

Yilmaz Simsek, (Akdeniz University, Turkey)

### Honorary Editor

Hari M. Srivastava, (University of Victoria, Canada)

### Editors

- Gradimir V. Milovanovic, (Serbian Academy of Sciences and Arts, Serbia)
- Manuel López-Pellicer, (Royal Spanish Academy of Sciences, Spain)
- Themistocles M. Rassias, (National Technical University of Athens, Greece)
  - Lothar Reichel, (Kent State University, USA)
  - Satish Iyengar, (University of Pittsburgh, USA)
  - Bruce Landman, (Augusta University, USA)
- Richard Tremblay, (Université du Québec à Chicoutimi, Canada)
  - Muhammad Aslam Noor, (COMSATS University, Pakistan)
    - Tibor K. Pogány, (University of Rijeka, Croatia)
    - Chandrashekar Adiga, (University of Mysore, India)
  - Abdelmejjid Bayad (Université d'Evry Val d'Essonne, France)
    - Taekyun Kim, (Kwangwoon University, South Korea)
    - Junesang Choi, (Dongguk University, South Korea)
    - Khalida Inayat Noor, (COMSATS University, Pakistan)
      - Sören Kraußhar, (University of Erfurt, Germany)
      - Irene Maria Sabadini, (Politecnico di Milano, Italy)
      - Fabrizio Colombo, (Politecnico di Milano, Italy)
    - Plamen Simeonov, (University of Houston-Downtown, USA)
- Abdalah Rababah, (Jordan University of Science and Technology, Jordan)
  - Qiu-Ming Luo, (Chongqing Normal University, China)
- Dmitry Kruchinin, (Tomsk State University of Control Systems and Radioelectronics, Russia)
  - Mustafa Alkan, (Akdeniz University, Turkey)
  - Burcin Simsek, (Bristol-Myers Squibb Company, USA)
- Irem Kucukoglu, Publishing Editor, (Alanya Alaaddin Keykubat University, Turkey)
  - Ortaç Öneş, Technical Editor, (Akdeniz University, Turkey)
  - Neslihan Kilar, Editorial Secretary, (Akdeniz University, Turkey)

## Contents

Analogues of Faulhabers Formula for Poly-Bernoulli and Type 2 Poly-Bernoulli Polynomials . . . . .	1
<b>Taekyun KIM, Dae San KIM and Jongyum KWON</b>	
Fractional Derivatives of Logarithmic Singular Functions and Applications to Special Functions . . . . .	7
<b>Richard TREMBLAY</b>	
Interpolation Functions for New Classes Special Numbers and Polynomials via Applications of $p$ -adic Integrals and Derivative Operator . . . . .	38
<b>Yilmaz SIMSEK</b>	
About Solving Some Functional Equations related to the Lagrange Inversion Theorem . . . . .	62
<b>Dmitry V. KRUCHININ and Maria Y. PERMINOVA</b>	
On Sequences of Certain Contractive Mappings and Their Fixed Points . . . . .	70
<b>Mohamed AKKOUCHI</b>	
On The Weighted Variable Exponent Lorentz Spaces . . . . .	78
<b>Öznur KULAK</b>	
Euclidean Degree Energy Graphs . . . . .	89
<b>Yate SHANTHAKUMARI, Mariswamy SMITHA and Veerabadhraiah LOKESHA</b>	
Formulas and Relations of Special Numbers and Polynomials arising from Functional Equations of Generating Functions . . . . .	106
<b>Neslihan KILAR and Yilmaz SIMSEK</b>	