

## **Asst. Prof. SAJEDEH NOROZPOUR SIGAROODI**

### **Personal Information**

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### **International Researcher IDs**

ScholarID: SajedehNOROZPOUR

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ScopusID: 57201334106

Yoksis Researcher ID: 318318

### **Education Information**

Doctorate, Eastern Mediterranean University, Faculty Of Arts And Sciences, Department Of Mathematics, Cyprus (Kktc)  
2013 - 2018

Postgraduate, Geylan Üniversitesi, Fen ve Edebiyat , Matematik, Iran 2011 - 2013

Undergraduate, Geylan Üniversitesi, Fen Edebiyat , Matematik , Iran 2007 - 2011

### **Foreign Languages**

English, C1 Advanced

### **Dissertations**

Doctorate, On An Alternative View of Complex Calculus, Eastern Mediterranean University, Faculty Of Arts And Sciences,  
Department Of Mathematics, 2018

### **Research Areas**

Natural Sciences, Engineering and Technology

### **Academic Titles / Tasks**

Assistant Professor, Istanbul Gelisim University, FACULTY OF ENGINEERING AND ARCHITECTURE, CIVIL ENGINEERING,  
2019 - Continues

Assistant Professor, Near East University, 2017 - 2019

Lecturer, Doğu Akdeniz Üniversitesi, Fen Ve Edebiyat Fakültesi, Matematik Bölümü, 2013 - 2018

### **Academic and Administrative Experience**

Erasmus Program Institutional Coordinator, Istanbul Gelisim University, FACULTY OF ENGINEERING AND

ARCHITECTURE, 2023 - Continues

Deputy Head of Department, Istanbul Gelisim University, FACULTY OF ENGINEERING AND ARCHITECTURE, CIVIL ENGINEERING, 2022 - 2023

## Courses

STATISTICS, Undergraduate, 2022 - 2023

MATHEMATICS 1, Undergraduate, 2022 - 2023, 2020 - 2021, 2019 - 2020

DIFFERENTIAL EQUATION, Undergraduate, 2022 - 2023

NUMERICAL ANALYSIS, Undergraduate, 2021 - 2022, 2020 - 2021

MATHEMATICS II, Undergraduate, 2021 - 2022

LINEAR ALGEBRA, Undergraduate, 2021 - 2022, 2020 - 2021

MATHEMATICS 2, Undergraduate, 2020 - 2021, 2019 - 2020

Differential Equations, Undergraduate, 2020 - 2021, 2019 - 2020

PROBABILITY AND STATISTICS, Undergraduate, 2020 - 2021, 2019 - 2020

ADVANCED MATHEMATICS, Undergraduate, 2019 - 2020

MATHEMATICS FOR ECONOMY AND FINANCE, Undergraduate, 2019 - 2020

NUMERICAL ANALYSIS, Undergraduate, 2018 - 2019

ALGEBRA, Undergraduate, 2018 - 2019

OLASILIK, Undergraduate, 2018 - 2019

KARMASIK ANALIZ, Undergraduate, 2018 - 2019

CALCULUS 2, Undergraduate, 2018 - 2019

CALCULUS 1, Undergraduate, 2018 - 2019

LINEAR ALGEBRA, Undergraduate, 2018 - 2019

DIFFERENTIAL EQUATIONS, Undergraduate, 2018 - 2019

COMPLEX ANALYSIS, Undergraduate, 2018 - 2019

## Published journal articles indexed by SCI, SSCI, and AHCI

### I. Farsi document image recognition system using word layout signature

Ergün C., Norozpour S.

Turkish Journal of Electrical Engineering and Computer Sciences, vol.27, no.2, pp.1477-1488, 2019 (SCI-Expanded)

### II. On an alternative view to complex calculus

Bashirov A. E., Norozpour S.

Mathematical Methods in the Applied Sciences, vol.41, no.17, pp.7313-7324, 2018 (SCI-Expanded)

## Articles Published in Other Journals

### I. ON FRACTIONAL INTEGRAL OPERATOR OVER NON-NEWTONIAN CALCULUS

Momenzadeh M., Norozpour Sigaroodi S., Bashirov A.

Turkish World Mathematical Society Journal of Applied and Engineering Mathematics, vol.13, no.02, pp.440-447, 2023 (ESCI)

### II. A Mathematical Model to Evaluate the Impact of Yoga Poses on Body

NOROZPOUR SIGAROODI S.

International Journal of Engineering Technologies (IJET), vol.8, no.01, pp.21-24, 2023 (Peer-Reviewed Journal)

### III. On the Performance of Teaching Digitalization by Use of Linear Regression Mathematical Method

Norozpour S.

TEM Journal, vol.11, no.3, pp.1223-1228, 2022 (ESCI)

- IV. **On e-Learning Difficulties Worldwide Faced Throughout the COVID-19**  
NOROZPOUR SIGAROODI S.  
Natural Volatiles and Essential Oils, vol.8, no.03, pp.9751-9760, 2021 (Scopus)
- V. **Proposing new system for handling business data systems with more functionality and usability**  
NOROZPOUR S., MOMENZADEH M., Abolhasani A.  
Nexo Revista Científica, vol.34, no.02, pp.835-847, 2021 (Peer-Reviewed Journal)
- VI. **Alternative fractional derivative operator on non-newtonian calculus and its approaches**  
MOMENZADEH M., NOROZPOUR S.  
Nexo Revista Científica, vol.34, no.02, pp.906-915, 2021 (Peer-Reviewed Journal)
- VII. **On Comparison of Different Image Segmentation Techniques**  
NOROZPOUR S., MOMENZADEH M.  
Türk Bilgisayar ve Matematik Eğitimi Dergisi, vol.12, no.11, pp.4659-4663, 2021 (Peer-Reviewed Journal)
- VIII. **Foreigner identification number in Turkey: challenges, threats, opportunities and its role in organizational sustainability development**  
SAFAEL M., NOROZPOUR S.  
PSYCHOLOGY AND EDUCATION, vol.1, pp.3109-3120, 2021 (Scopus)
- IX. **An Overview on Game Theory and Its Application**  
NOROZPOUR S., SAFAEL M.  
IOP CONFERENCE SERIES: MATERIALS SCIENCE AND ENGINEERING, vol.993, pp.12114, 2020 (Peer-Reviewed Journal)
- X. **Proposing New Method for Clustering and Optimizing Energy Consumption in WSN**  
NOROZPOUR S., Mehdi D.  
TALENT DEVELOPMENT AND EXCELLENCE, pp.2631-2643, 2020 (Scopus)
- XI. **Study of New Class of q-fractional Derivative Operator and its Properties**  
MOMENZADEH M., NOROZPOUR S.  
International Journal of Advanced Science and Technology, vol.29, pp.2871-2878, 2020 (Peer-Reviewed Journal)
- XII. **On complex multiplicative integration**  
BASHIROV A., NOROZPOUR S.  
Turkish World Mathematical Society Journal of Applied and Engineering Mathematics, vol.7, pp.82-93, 2017 (Peer-Reviewed Journal)
- XIII. **The Existence of General Solution of Non-linear partial differential equation in General case in complex space**  
NOROZPOUR S.  
Research Journal of Recent Sciences, 2014 (Peer-Reviewed Journal)

## Books & Book Chapters

- I. **Statistical Analysis on The Impact of Socioeconomic Factors on Student Education and Academic Achievement**  
NOROZPOUR SIGAROODI S.  
in: Advanced Research in Mathematics, Technology, and Social Sciences, İSLAMOĞLU EBRUCAN, Editor, BIDGE Publications, İstanbul, pp.37-54, 2024
- II. **Simulation of the Relation Between the Number of COVID-19 Death Cases as a Result of the Number of Handwashing Facilities by Using Artificial Intelligence**  
NOROZPOUR SIGAROODI S.  
in: Artificial Intelligence for COVID-19 , Diego Oliva, Said Ali Hassan, Ali Mohamed, Editor, Studies in Systems, Decision and Control, Turkey, pp.1-10, 2021

## Refereed Congress / Symposium Publications in Proceedings

- I. **New Approach to  $q$  fractional derivative.**  
NOROZPOUR S., MOMENZADEH M.  
6th International conference on recent advanced in pure and applied mathematics, İstanbul, Turkey, 12 June 2019, pp.58
- II. **Existence and uniqueness results for Multiplicative Fractional differential equation with three point integral boundary value problem**  
NOROZPOUR S.  
Fourth International Conference on Analysis and Applied Mathematics, Lefkoşa, Cyprus (Kkct), 6 - 09 September 2018, pp.28
- III. **Fourier Analysis to computing new Variables for determining SNR**  
NOROZPOUR S., ERGÜN C.  
5th INTERNATIONAL CONFERENCE ON RECENT ADVANCES IN PURE AND APPLIED MATHEMATICS, Trabzon, Turkey, 23 - 27 July 2018, pp.136-137
- IV. **BIGEOMETRIC COMPLEX CALCULUS**  
NOROZPOUR S., BASHIROV A.  
16th International conference on Computational and Mathematical Methods in Science and Economics, Rota, Spain, 04 June 2017, pp.211-220
- V. **Riemann Surface of Complex Logarithm and Multiplicative Calculus**  
NOROZPOUR S., BASHIROV A.  
International conference on Mathematics and computational Mechanics, Berlin, Germany, 21 May 2017, vol.19, pp.2449
- VI. **Multiplicative Complex Integral**  
NOROZPOUR S., BASHIROV A.  
International Conference on Recent Advances in Pure and Applied Mathematics (ICRAPAM 2016), Bodrum, Turkey, 19 May 2016, pp.52