

## Lect. İPEK EBRU KARAÇAY

### Personal Information

**Email:** iekaracay@gelisim.edu.tr

**Web:** <https://avesis.gelisim.edu.tr/iekaracay>

### Education Information

Doctorate, Yildiz Technical University, Graduate School Of Natural And Applied Sciences, Matematik , Turkey 2021 - Continues

Doctorate, Universidad de Malaga, Matematik , Spain 2023 - 2023

Postgraduate, Yildiz Technical University, Graduate School Of Natural And Applied Sciences, Matematik, Turkey 2018 - 2021

Undergraduate, Yildiz Technical University, Faculty Of Arts & Science, Department Of Mathemeatics, Turkey 2013 - 2018

### Dissertations

Postgraduate, Kantor kümesinin fraktal geometri uygulamaları, Yildiz Technical University, Graduate School Of Natural And Applied Sciences, 2021

### Research Areas

Mathematics

### Academic Titles / Tasks

Lecturer, Istanbul Gelisim University, ISTANBUL GELISIM VOCATIONAL SCHOOL, COMPUTER TECHNOLOGIES, 2023 - Continues

### Articles Published in Other Journals

- I. Applications of Cantor Set to Fractal Geometry**  
KARAÇAY İ. E., YÜCE S.  
International Electronic Journal of Geometry, vol.17, no.2, pp.712-726, 2024 (ESCI)

### Refereed Congress / Symposium Publications in Proceedings

- I. A new approach to generalized cantor set for  $R^3$  in fractal geometry**  
Karaçay İ. E., Yüce S.  
JOINT PERSPECTIVES IN GEOMETRY, ALGEBRA AND TOPOLOGY, Barcelona, Spain, 1 - 05 July 2024
- II. Fractal Geometry and Application of Cantor Set in Fractal Geometry**  
Karaçay İ. E., Yüce S.

Seminar Saga 2022-2023,, Malaga, Spain, 08 March 2023

III. **A new approach to generalized cantor set for  $R^2$  in fractal geometry**

Karaçay İ. E., Yüce S.

18. Geometry Symposium, Malatya, Türkiye, 12 - 13 Temmuz 2021, ss.90-91, Malatya, Turkey, 12 July 2021

IV. **A New Approach to Generalized Cantor Set in Fractal Geometry**

KARAÇAY İ. E., YÜCE S.

International Conference on Mathematics and Its Applications in Science and Engineering (ICMASE2020), Ankara, Türkiye, 9 - 10 Temmuz 2020, Ankara, Turkey, 10 July 2020

## **Supported Projects**

Yüce S., Türkoğlu N., Sezer Y., Denктаş C., Karaçay İ. E., Project Supported by Higher Education Institutions, Üç Boyutlu Yazıcıda Basılmış Scutoid Yapılarda Hücre Davranışının İncelenmesi, 2024 - 2025

## **Scientific Research / Working Group Memberships**

Yüce Research Group, Yıldız Technical University, Turkey, <https://avesis.yildiz.edu.tr/arastirma-grubu/yucerg>, 2018 - Continues

## **Metrics**

Publication: 5