

## **Asst. Prof. DOĞA CAN SERTBAŞ**

### **Personal Information**

**Email:** dsertbas@cu.edu.tr

**Web:** <https://avesis.cu.edu.tr/dsertbas>

### **International Researcher IDs**

ORCID: 0000-0002-5884-6856

Publons / Web Of Science ResearcherID: FWA-2527-2022

Yoksis Researcher ID: 249067

### **Education Information**

Doctorate, Koc University, Institute Of Science, Turkey 2016 - 2020

Postgraduate, Germany 2011 - 2015

Undergraduate, Izmir University Of Economics, Faculty Of Arts And Sciences, Department Of Mathematics, Turkey 2007 - 2011

### **Foreign Languages**

English, C1 Advanced

### **Dissertations**

Doctorate, Harmonic Type Sums and Their Arithmetic Properties, Koc University, Institute Of Science, 2020

Postgraduate, GENERATION OF SAFE RSA MODULI, 2015

### **Research Areas**

Cryptography, Number Theory

### **Academic Titles / Tasks**

Assistant Professor, Cukurova University, Fen-Edebiyat Fakültesi, Matematik, 2021 - Continues

Research Assistant, Sivas Cumhuriyet University, Fen Fakültesi, Matematik Bölümü, 2016 - 2021

### **Academic and Administrative Experience**

Head of Department, Cukurova University, Fen-Edebiyat Fakültesi, Matematik, 2021 - Continues

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

- I. **The Difference of Hyperharmonic Numbers via Geometric and Analytic Methods**  
Altuntaş Ç., Göral H., Sertbaş D. C.  
JOURNAL OF THE KOREAN MATHEMATICAL SOCIETY, vol.2022, no.59, pp.1103-1137, 2022 (SCI-Expanded)
- II. **APPLICATIONS OF CLASS NUMBERS AND BERNOULLI NUMBERS TO HARMONIC TYPE SUMS**  
Goral H., Sertbas D. C.  
BULLETIN OF THE KOREAN MATHEMATICAL SOCIETY, vol.58, no.6, pp.1463-1481, 2021 (SCI-Expanded)
- III. **Hyperharmonic integers exist**  
Sertbas D. C.  
COMPTE RENDUS MATHEMATIQUE, vol.358, no.11-12, pp.1179-1185, 2020 (SCI-Expanded)
- IV. **Euler sums and non-integerness of harmonic type sums**  
Goral H., Sertbas D. C.  
HACETTEPE JOURNAL OF MATHEMATICS AND STATISTICS, vol.49, no.2, pp.586-598, 2020 (SCI-Expanded)
- V. **DENSITY AND FINITENESS RESULTS ON SUMS OF FRACTIONS**  
Goral H., Sertbas D. C.  
PROCEEDINGS OF THE AMERICAN MATHEMATICAL SOCIETY, vol.147, no.2, pp.567-581, 2019 (SCI-Expanded)
- VI. **A congruence for some generalized harmonic type sums**  
Goral H., Sertbas D. C.  
INTERNATIONAL JOURNAL OF NUMBER THEORY, vol.14, no.4, pp.1033-1046, 2018 (SCI-Expanded)
- VII. **Divisibility properties of hyperharmonic numbers**  
Goral H., Sertbas D. C.  
ACTA MATHEMATICA HUNGARICA, vol.154, no.1, pp.147-186, 2018 (SCI-Expanded)
- VIII. **Almost all hyperharmonic numbers are not integers**  
Goral H., Sertbas D. C.  
JOURNAL OF NUMBER THEORY, vol.171, pp.495-526, 2017 (SCI-Expanded)

## Articles Published in Other Journals

- I. **Some Results on Harmonic Type Sums**  
Göral H., Sertbaş D. C.  
Düzce Üniversitesi Bilim ve Teknoloji Dergisi, vol.8, no.1, pp.642-653, 2020 (Peer-Reviewed Journal)
- II. **HYPERHARMONIC NUMBERS CAN RARELY BE INTEGERS**  
Alkan E., Göral H., Sertbaş D. C.  
Integers, vol.18, no.A43, pp.1-15, 2018 (Peer-Reviewed Journal)

## Memberships / Tasks in Scientific Organizations

American Mathematical Society, Member, 2021 - 2022, Turkey

## Congress and Symposium Activities

Number Theory and Combinatorics,, Invited Speaker, İzmir, Turkey, 2022  
34th National Mathematics Symposium, Attendee, İzmir, Turkey, 2022