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Personal Information

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International Researcher IDs

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

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Education

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 Positions

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

Journal articles indexed in 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 and Roles 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