Res. Asst. DAMLA GÜN



Personal Information

Office Phone: <u>+90 242 310 3803</u> Email: damlagun@akdeniz.edu.tr Web: https://avesis.akdeniz.edu.tr/damlagun

International Researcher IDs ORCID: 0000-0001-6945-2468 Yoksis Researcher ID: 307177

Education Information

Undergraduate, Kirikkale University, Fen Edebiyat, Matematik, Turkey 2003 - 2007

Foreign Languages

English, B2 Upper Intermediate

Research Areas

Mathematics, Mathematical Logic and Foundations, Natural Sciences

Academic Titles / Tasks

Research Assistant, Akdeniz University, Faculty of Science, Matematik, 2019 - Continues

Published journal articles indexed by SCI, SSCI, and AHCI

- I. Modification exponential Euler type splines derived from Apostol-Euler numbers and polynomials of complex order
 Gün D., Simsek Y.
 APPLICABLE ANALYSIS AND DISCRETE MATHEMATICS, vol.17, no.1, pp.197-215, 2023 (SCI-Expanded)
- II. Generating functions for reciprocal Catalan-type sums: approach to linear differentiation equation and (\$p\$-adic) integral equations
 Gün D., Şimşek Y.
 TURKISH JOURNAL OF MATHEMATICS, vol.47, no.2, pp.830-845, 2023 (SCI-Expanded)
- III. Some new identities and inequalities for Bernoulli polynomials and numbers of higher order related to the Stirling and Catalan numbers
 GÜN D., ŞİMŞEK Y.
 REVISTA DE LA REAL ACADEMIA DE CIENCIAS EXACTAS FISICAS Y NATURALES SERIE A-MATEMATICAS, vol.114, no.4, 2020 (SCI-Expanded)



Articles Published in Other Journals

- I. Some series representations for special numbers involving Fibonacci polynomials and combinatorial numbers
 GÜN D., ŞİMŞEK Y.
 AIP CONFERENCE PROCEEDINGS, vol.2849, 2023 (Scopus)
- II.
 Inequalities and formulas associated with Bernoulli numbers of higher order and special numbers

 GÜN D., ŞİMŞEK Y.

AIP CONFERENCE PROCEEDINGS, vol.2849, 2023 (Scopus)

III. Relations among trigonometric functions, Apostol-type numbers and Peters-type Simsek polynomials GÜN D.

Montes Taurus Journal of Pure and Applied Mathematics, vol.5, no.1, pp.90-101, 2023 (Scopus)

IV. Combinatorial sums involving Stirling, Fubini, Bernoulli numbers and approximate values of Catalan numbers

Gün D., ŞİMŞEK Y.

Advanced Studies in Contemporary Mathematics, vol.30, no.4, pp.503-513, 2020 (Peer-Reviewed Journal)

Refereed Congress / Symposium Publications in Proceedings

I. Relations of exponential Euler spline associated with special numbers and polynomials GÜN D., ŞİMŞEK Y.

The 6th Mediterranean International Conference of Pure & amp; Applied Mathematics and Related Areas (MICOPAM 2023), Paris, France, 23 - 27 August 2023, pp.127-134

 II.
 Formulae for exponential Apostol-Genocchi splines

 GÜN D., ŞİMŞEK Y.
 The 13th Symposium on Generating Functions of Special Numbers and Polynomials and their

The 13th Symposium on Generating Functions of Special Numbers and Polynomials and their Applications (GFSNP 2023), Antalya, Turkey, 11 March 2023, pp.148-154

III. Some special series involving two variable Fibonacci type polynomials and combinatorial numbers GÜN D., ŞİMŞEK Y.

The 5th Mediterranean International Conference of Pure & amp; Applied Mathematics and Related Areas (MICOPAM 2022), Antalya, Turkey, 27 - 30 October 2022, vol.2022, pp.54-60

IV. Infinite Series Representations for Certain Classes of Combinatorial Numbers and Polynomials GÜN D., ŞİMŞEK Y.

International Symposium on Advanced Engineering Technologies (ISADET), Kahramanmaraş, Turkey, 16 June 2022, pp.385-389

V. Remarks on infinite series representations of the certain family of the combinatorial numbers Gün D., Şimşek Y.

The 3rd & 4th Mediterranean International Conference of Pure & Applied Mathematics and Related Areas (MICOPAM 2020-2021), Antalya, Turkey, 11 - 12 November 2021, pp.40-43

VI. Some series representations for special numbers involving Fibonacci polynomials and combinatorial numbers II

Gün D., Şimşek Y.

19th International Conference of Numerical Analysis And Applied Mathematics (ICNAAM 2021), Rodos, Greece, 20 - 26 September 2021, pp.38-40

VII. Inequalities and formulas associated with Bernoulli numbers of higher order and special numbers II Gün D., Şimşek Y.

19th International Conference of Numerical Analysis And Applied Mathematics (ICNAAM 2021), Rodos, Greece, 20 - 26 September 2021, pp.35-37

VIII. Remarks on exponential Euler spline related to Genocchi numbers and polynomials Gün D., Şimşek Y.

International Conference on Special Functions & Applications (ICSFA-2021) XXth Annual Meeting of the Society for

Special Functions & their Applications 22 – 24 December, 2021, Tiruvannamalai, India, 22 - 24 December 2021, pp.1-5

IX. Formulas Associated with Combinatorial Polynomials and two Parametric Apostol-type Polynomials GÜN D., ŞİMŞEK Y.

International Conference on Numerical Analysis and Applied Mathematics (ICNAAM), Rhodes, Greece, 23 - 28 September 2019, vol.2293

X. Formulas associated with combinatorial polynomials and two parametric Apostol-type polynomials II

GÜN D., ŞİMŞEK Y. 17TH INTERNATIONAL CONFERENCE OF NUMERICAL ANALYSIS AND APPLIED MATHEMATICS (ICNAAM 2019), Rodos, Greece, 23 - 28 September 2019, pp.36-38

Supported Projects

ŞİMŞEK Y., GÜN D., Project Supported by Higher Education Institutions, B-Spline eğrileri ile Eulerian tipli polinomlar arasındaki ilişkiler ve bunların uygulamaları, 2020 - 2021

Metrics

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