

Res. Asst. DAMLA GÜN



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## 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, Department Of Mathematics, 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., Şimşek 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. **Formulas for Calculating Numerical Values of Combinatorial Sums Involving Apostol-Bernoulli Numbers and Polynomials**  
GÜN D., ŞİMŞEK Y.  
International Conference of Numerical Analysis and Applied Mathematics 2022, ICNAAM 2022, Heraklion, Greece, 19 - 25 September 2022, vol.3094
- II. **Commentaries on Relations for Apostol Type and Special Polynomials**  
GÜN D., ŞİMŞEK Y.  
International Conference of Numerical Analysis and Applied Mathematics 2022, ICNAAM 2022, Heraklion, Greece, 19 - 25 September 2022, vol.3094
- III. **Relations of exponential Euler spline associated with special numbers and polynomials**  
GÜN D., ŞİMŞEK Y.  
The 6th Mediterranean International Conference of Pure & Applied Mathematics and Related Areas (MICOPAM 2023), Paris, France, 23 - 27 August 2023, pp.127-134
- IV. **Formulae for exponential Apostol-Genocchi splines**  
GÜN D., ŞİMŞEK Y.  
The 13th Symposium on Generating Functions of Special Numbers and Polynomials and their Applications (GFSNP 2023), Antalya, Turkey, 11 March 2023, pp.148-154
- V. **Some special series involving two variable Fibonacci type polynomials and combinatorial numbers**  
GÜN D., ŞİMŞEK Y.  
The 5th Mediterranean International Conference of Pure & Applied Mathematics and Related Areas (MICOPAM 2022), Antalya, Turkey, 27 - 30 October 2022, vol.2022, pp.54-60
- VI. **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
- VII. **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
- VIII. **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

- IX. **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

- X. **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

- XI. **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

- XII. **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

Publication: 20

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