

# LEVENT KARGIN

## ASSOC. PROF.

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### International Researcher IDs

ORCID: 0000-0001-9596-1960

Publons / Web Of Science ResearcherID: GOV-5250-2022

Yoksis Researcher ID: 181396



## Learning Knowledge

Doctorate  
2010 - 2014

Akdeniz University, Institute of Science, Matematik, Turkey

Postgraduate  
2007 - 2009

Akdeniz University, Institute of Science, Matematik, Turkey

Undergraduate  
2003 - 2007

Akdeniz University, Fen-Edebiyat Fakültesi, Matematik, Turkey

## Foreign Languages

English, B1 Intermediate

## Dissertations

Doctorate, Bazı Appell Polinom Ailelerinin Matris İfadeleri Üzerine, Akdeniz University, Institute of Science, Matematik, 2014

Postgraduate, Hurwitz Zeta ve Lerch Zeta Fonksiyonlarının Asimptotik Açılımı ve Taylor Katsayıları, Akdeniz University, Institute of Science, Matematik, 2009

## Academic Titles / Tasks

Associate Professor  
2020 - Continues

Akdeniz University, Faculty of Science, Department of Mathematics

Assistant Professor  
2019 - 2020

Akdeniz University, Faculty of Science, Department of Mathematics

Lecturer PhD  
2018 - 2019

Akdeniz University, Faculty of Science, Department of Mathematics

Lecturer PhD

2017 - 2018

Akdeniz University, Technical Sciences Vocational School, -

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Lecturer PhD

2015 - 2017

Alanya Alaaddin Keykubat University, Akseki Vocational School, Ormançılık Programı

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Lecturer

2010 - 2015

Akdeniz University, -, Muhasebe ve Vergi Uygulamaları

## Supported Projects

1. KARGIN L., Project Supported by Higher Education Institutions, Poly-p-Bernoulli Polinomlarının Bazı Özellikleri, 2018 - 2019

## Awards

1. KARGIN L., Harmonic number identities via polynomials with r-Lah coefficients, Tübitak, December 2020
2. KARGIN L., A closed formula for the generating function of p-Bernoulli numbers, Tübitak, March 2019
3. KARGIN L., p-Bernoulli and geometric polynomials, Tübitak, October 2018
4. KARGIN L., Higher order generalized geometric polynomials, Tübitak, October 2018
5. KARGIN L., On generalized two-index Hermite matrix polynomials, Tübitak, April 2018
6. KARGIN L., Generalization of Mellin derivative and its applications, Tübitak, May 2017
7. KARGIN L., Chebyshev-type matrix polynomials and integral transforms, Tübitak, July 2015
8. KARGIN L., Modified Laguerre matrix polynomials, Tübitak, July 2015
9. KARGIN L., On Generalized Humbert Matrix Polynomials, Tübitak, May 2015
10. KARGIN L., On the generalization of the Euler polynomials with the real parameters, Appl. Math. Comput, Tübitak, October 2012

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

1. **Evaluation formulas for Tornheim and Euler type double series**  
Çay E., Can M., Kargin L.  
HACETTEPE JOURNAL OF MATHEMATICS AND STATISTICS, vol.6, pp.1-16, 2023 (SCI-Expanded)
2. **Euler sums of generalized harmonic numbers and connected extensions**  
Can M., Kargin L., Dil A., Soylu G.  
APPLICABLE ANALYSIS AND DISCRETE MATHEMATICS, vol.17, no.2, pp.401-417, 2023 (SCI-Expanded)
3. **Stieltjes constants appearing in the Laurent expansion of the hyperharmonic zeta function**  
CAN M., DİL A., KARGIN L.  
Ramanujan Journal, vol.61, no.3, pp.873-894, 2023 (SCI-Expanded)
4. **On the Stieltjes constants with respect to harmonic zeta functions**  
Kargin L., Dil A., Cenkci M., Can M.  
JOURNAL OF MATHEMATICAL ANALYSIS AND APPLICATIONS, pp.1-15, 2023 (SCI-Expanded)
5. **NEW SERIES WITH CAUCHY AND STIRLING NUMBERS, PART 2**  
Boyadzhiev K. N., KARGIN L.  
Applicable Analysis and Discrete Mathematics, vol.17, no.1, pp.57-75, 2023 (SCI-Expanded)

6. **Recurrences and congruences for higher order geometric polynomials and related numbers**  
Kargin L., Cenkci M.  
UKRAINIAN MATHEMATICAL JOURNAL, vol.73, no.12, pp.1873-1894, 2022 (SCI-Expanded)
7. **Semiorthogonality of Geometric Polynomials**  
KARGIN L., Çay E.  
Mediterranean Journal of Mathematics, vol.19, no.3, 2022 (SCI-Expanded)
8. **Generalized harmonic numbers via poly-Bernoulli polynomials**  
Kargin L., Cenkci M., Dil A., Can M.  
Publicationes Mathematicae, vol.100, no.3-4, pp.365-386, 2022 (SCI-Expanded)
9. **On Evaluations of Euler-Type Sums of Hyperharmonic Numbers**  
Kargin L., Can M., Dil A., Cenkci M.  
Bulletin of the Malaysian Mathematical Sciences Society, vol.45, no.1, pp.113-131, 2022 (SCI-Expanded)
10. **A second type of higher order generalized geometric polynomials and higher order generalized Euler polynomials**  
Corcino C. B., Corcino R. B., ÇEKİM B., KARGIN L., Nkonkobe S.  
Quaestiones Mathematicae, vol.45, no.1, pp.71-89, 2022 (SCI-Expanded)
11. **Poly-p-Bernoulli polynomials and generalized Arakawa-Kaneko zeta function**  
KARGIN L.  
LITHUANIAN MATHEMATICAL JOURNAL, vol.60, no.1, pp.29-50, 2020 (SCI-Expanded)
12. **Harmonic number identities via polynomials with r-Lah coefficients**  
KARGIN L., CAN M.  
COMPTES RENDUS MATHEMATIQUE, vol.358, no.5, pp.535-550, 2020 (SCI-Expanded)
13. **SOME REMARKS ON THE GENERALIZED APOSTOL-BERNOULLI AND APOSTOL-EULER POLYNOMIALS**  
Boutiche M. A., KARGIN L., Rahmani M.  
INDIAN JOURNAL OF PURE & APPLIED MATHEMATICS, vol.50, no.4, pp.1133-1145, 2019 (SCI-Expanded)
14. **&ITp&IT-Bernoulli and geometric polynomials**  
KARGIN L.  
INTERNATIONAL JOURNAL OF NUMBER THEORY, vol.14, no.2, pp.595-613, 2018 (SCI-Expanded)
15. **A closed formula for the generating function of p-Bernoulli numbers**  
KARGIN L., RAHMANI M.  
QUAESTIONES MATHEMATICAE, vol.41, no.7, pp.975-983, 2018 (SCI-Expanded)
16. **Higher order generalized geometric polynomials**  
KARGIN L., ÇEKİM B.  
TURKISH JOURNAL OF MATHEMATICS, vol.42, no.3, pp.887-903, 2018 (SCI-Expanded)
17. **ON GENERALIZED TWO-INDEX HERMITE MATRIX POLYNOMIALS**  
Kargin L., Kurt V.  
MISKOLC MATHEMATICAL NOTES, vol.18, no.1, pp.223-234, 2017 (SCI-Expanded)
18. **Generalization of Mellin derivative and its applications**  
Kargin L., Corcino R. B.  
INTEGRAL TRANSFORMS AND SPECIAL FUNCTIONS, vol.27, no.8, pp.620-631, 2016 (SCI-Expanded)
19. **Chebyshev-type matrix polynomials and integral transforms**  
KARGIN L., Kurt V.  
HACETTEPE JOURNAL OF MATHEMATICS AND STATISTICS, vol.44, no.2, pp.341-350, 2015 (SCI-Expanded)
20. **Modified Laguerre Matrix Polynomials**  
KARGIN L., Kurt V.  
FILOMAT, vol.28, no.10, pp.2069-2076, 2014 (SCI-Expanded)
21. **ON GENERALIZED HUMBERT MATRIX POLYNOMIALS**  
KARGIN L., Kurt V.  
MISKOLC MATHEMATICAL NOTES, vol.15, no.2, pp.509-524, 2014 (SCI-Expanded)
22. **On the generalization of the Euler polynomials with the real parameters**  
KARGIN L., Kurt V.

### Articles Published in Other Journals

1. **On Cauchy Numbers and Their Generalizations**  
KARGIN L.  
GAZI UNIVERSITY JOURNAL OF SCIENCE, vol.33, no.2, pp.456-474, 2020 (ESCI)
2. **Some Formulae for Products of Geometric Polynomials with Applications**  
Kargin L.  
JOURNAL OF INTEGER SEQUENCES, vol.20, no.4, 2017 (ESCI)
3. **Riemann Zeta Matrix Function**  
Kargin L., Kurt V.  
GAZI UNIVERSITY JOURNAL OF SCIENCE, vol.28, no.4, pp.683-688, 2015 (ESCI)
4. **Some relations on Hermite matrix polynomials**  
KARGIN L., KURT V.  
Mathematical and Computational Applications, vol.18, no.3, pp.323-329, 2013 (Scopus)

### Refereed Congress / Symposium Publications in Proceedings

1. **A Generalization of Arakawa-Kaneko Zeta Function**  
Kargin L.  
International Conference on Number Theory dedicated to the 70th birthdays of Professors Antanas Laurincikas and Eugenijus Manstavicius, Plunge, Lithuania, 9 - 15 September 2018
2. **Some properties of poly-p-Bernoulli numbers**  
Kargin L.  
7nd International Eurasian Conference on Mathematical Sciences and Applications, Kyiv, Ukraine, 28 - 31 August 2018
3. **Convolution identities for Fubini polynomials**  
Kargin L.  
17th International Conferences on Fibonacci Numbers and their Applications, Caen, France, 27 June - 02 July 2016
4. **Üstel Polinomlar ve Yüksek Mertebeden Apostol Euler Sayıları**  
KARGIN L.  
28. Ulusal Matematik Sempozyumu, Turkey, 7 - 09 September 2015
5. **Some Results for Gegenbauer Matrix Polynomials**  
KARGIN L., KURT V.  
International Conference on Algebra and Number Theory, 5 - 08 August 2014
6. **Chebyshev Matris Polinomlarının Bazı Özellikleri ve İntegral Dönüşümler**  
KARGIN L., KURT V.  
26. Ulusal Matematik Sempozyumu, Turkey, 4 - 07 September 2013
7. **Some Properties of Gamma Matrix Function and Zeta Matrix Function**  
KARGIN L., KURT V.  
4th International Conference on Matrix Analysis and its Applications, 2 - 05 July 2013
8. **Some Relations On Hermite Matrix Polynomials**  
KARGIN L., KURT V.  
4th International Conference on Mathematical and Computational Applications, 11 - 13 June 2013
9. **On Generalized Two Index Hermite Matrix Polynomials**  
KARGIN L., KURT V.  
International Conference on Applied Analysis and Mathematical Modeling, 2 - 05 June 2013
10. **Euler Polynomials with the Real Parameters and their Interpolation Function**

KARGIN L., KURT V.

International Congress in Honour of Professor H.M. Srivastava on his 70th Birth Anniversary, 18 - 21 August 2010

## Academic and Administrative Experience

2015 - 2016	<b>Assistant Director of Vocational School</b>	Alanya Alaaddin Keykubat University, Akseki Meslek Yüksekokulu
2011 - 2015	<b>Assistant Director of Vocational School</b>	Akdeniz University, Akseki Meslek Yüksekokulu

## Courses

Lineer Cebir, Undergraduate, 2021 - 2022  
İşletme Matematiği, Undergraduate, 2021 - 2022, 2020 - 2021, 2018 - 2019, 2017 - 2018  
Özel Fonksiyonlar II, Postgraduate, 2021 - 2022, 2018 - 2019  
Analitik Geometri II, Undergraduate, 2021 - 2022  
Bitirme Çalışması II, Undergraduate, 2021 - 2022, 2020 - 2021, 2019 - 2020, 2018 - 2019  
Lineer Cebir ve Vektör Analizi, Undergraduate, 2021 - 2022  
Genel Matematik II, Undergraduate, 2020 - 2021, 2019 - 2020, 2018 - 2019  
Analitik Geometri I, Undergraduate, 2021 - 2022  
Analiz II, Undergraduate, 2020 - 2021  
Matematik I, Undergraduate, 2021 - 2022  
Bitirme Çalışması I, Undergraduate, 2021 - 2022, 2020 - 2021, 2019 - 2020, 2018 - 2019  
Matematik I, Undergraduate, 2021 - 2022  
Özel Fonksiyonlar I, Postgraduate, 2021 - 2022, 2020 - 2021  
Matematik I, Undergraduate, 2021 - 2022  
Undergraduate, 2019 - 2020  
Temel Matematik, Undergraduate, 2020 - 2021  
Fonksiyonlar Teorisinde Seçme Konular II, Postgraduate, 2019 - 2020  
Analiz I, Undergraduate, 2020 - 2021  
Genel Matematik I, Undergraduate, 2020 - 2021, 2019 - 2020, 2018 - 2019  
Temel Matematik, Undergraduate, 2018 - 2019  
Matematik II, Undergraduate, 2018 - 2019  
Matematik II, Undergraduate, 2018 - 2019  
Analitik Geometri I, Undergraduate, 2019 - 2020  
Mesleki Matematik, Associate Degree, 2017 - 2018  
Matematik, Undergraduate, 2017 - 2018  
Matematik I, Undergraduate, 2018 - 2019  
Analitik Fonksiyonlar Teorisinde Seçme Konular I, Postgraduate, 2018 - 2019  
Karmaşık Analiz II, Undergraduate, 2018 - 2019, 2015 - 2016, 2014 - 2015  
Analiz I, Undergraduate, 2016 - 2017, 2013 - 2014  
Karmaşık Analiz I, Undergraduate, 2015 - 2016, 2014 - 2015, 2013 - 2014  
Temel Matematik, Undergraduate, 2014 - 2015

## Advising Theses

Kargin L., Stirling Katsayılı Polinom Aileleri, Postgraduate, Y.YILDIZ(Student), 2022

Can M., Kargın L., Tornheim tipli seriler üzerine, Postgraduate, E.ÇAY(Student), 2020

## Activities in Scientific Journals

Gazi Üniversitesi Fen Fakültesi Dergisi, Editor, 2021 - Continues

## Scientific Refereeing

Mathematica - Romanian Academy, Other Indexed Journal, December 2021

Acta Mathematica Hungarica, Journal Indexed in SCI-E, June 2021

Mediterranean Journal Of Mathematics, Journal Indexed in SCI-E, May 2021

Quaestiones Mathematicae, Journal Indexed in SCI-E, April 2021

Thai Journal of Mathematics, Journal Indexed in ESCI, March 2021

Communications Faculty of Sciences University of Ankara Series A1 Mathematics and Statistics, Other Indexed Journal, August 2020

Journal of Integer Sequences, Other Indexed Journal, June 2020

Turkish Journal of Mathematics, SCI Journal, May 2020

Indian Journal of Pure and Applied Mathematics, SCI Journal, February 2019

Journal of New Theory, Other Indexed Journal, December 2018

Turkish Journal of Mathematics, SCI Journal, May 2018

Miskolc Mathematical Notes, SCI Journal, April 2018

Applications and Applied Mathematics, Other Indexed Journal, March 2018

Konuralp Journal of Mathematics, Other Indexed Journal, January 2017

Applications and Applied Mathematics, Other Indexed Journal, January 2017

Journal of Inequalities and Applications, SCI Journal, April 2015

Mathematical Methods in the Applied Sciences, SCI Journal, August 2014

Communications Faculty of Sciences University of Ankara A 1: Mathematics and Statistics, Other Indexed Journal, December 2013

## Metrics

Publication: 37

Citation (WoS): 79

Citation (Scopus): 88

H-Index (WoS): 5

H-Index (Scopus): 6

## Congress and Symposium Activities

International Conference on Number Theory dedicated to the 70th birthdays of Professors Antanas Laurindikas and Eugenijus Manstavicius, Attendee, Plunge, Lithuania, 2018

7 th International Eurasian Conference on Mathematical Sciences and Applications, Attendee, Kyiv, Ukraine, 2018

17th International Conference on Fibonacci Numbers and their Applications, Attendee, Caen, France, 2016

28. Ulusal Matematik Sempozyumu, Attendee, Antalya, Turkey, 2015

International Conference on Algebra and Number Theory, Attendee, Samsun, Turkey, 2014

26. Ulusal Matematik Sempozyumu, Attendee, Diyarbakır , Turkey, 2013

4th International Conference on Matrix Analysis and its Applications, Attendee, Konya, Turkey, 2013

4th International Conference on Mathematical and Computational Applications, Attendee, Manisa, Turkey, 2013

International Conference on Applied Analysis and Mathematical Modeling, Attendee, Istanbul, Turkey, 2013

International Congress in Honour of Professor H. M. Srivastava on his 70th Birth Anniversary at Uludag University,  
Attendee, Bursa, Turkey, 2010