

Curriculum Vitae
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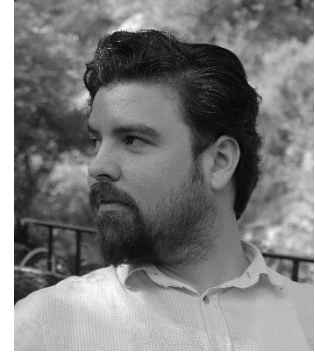
Name and Surname: Ümit SARP

Date / place of birth: 1988 / Balıkesir, TURKEY

E-mail: umitsarp@ymail.com & umit.sarp@ikcu.edu.tr

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Academic Positions: Lecturer (Ph.D.) in İzmir Kâtip Çelebi University, Project Coordination Office, İzmir, TURKEY



Foreign Language Exam Score: 82.5-English (max 100)

Education	Program	University	Year
Undergraduate	Mathematics	Selçuk University	2007-2011
Pedagogical Formation	Educational Sciences	Afyon Kocatepe University	2011-2012
Master's Degree	Mathematics	Balıkesir University	2012-2014
Doctor's Degree	Mathematics	Balıkesir University	2014-2019
Undergraduate	Electrical and Electronics Engineering	Balıkesir University	2019 - ...

Undergraduate Project: "The Beamer Slide of Linear Algebra Book", 2011, Konya, TÜRKİYE.

M.Sc. Thesis: "Solving of some partial differential equations by Differential Transform Method and Comparison with other methods", 2014, Balıkesir, TÜRKİYE.

Ph.D. Thesis: "Absolute Möbius Divisor Function and Properties", 2019, Balıkesir, TÜRKİYE.

A. Publications in SCI and SCI-E Journals:

A1. Kim D., Sarp U. And İkikardes S., "Iterating the Sum of Möbius Divisor Function and Euler Totient Function", Mathematics, 2019, 7, 1083. DOI: 10.3390/math7111083. **(Q1)**

A2. Kim D., Sarp U. And İkikardes S., "Certain combinatoric convolution sums arising from Bernoulli and Euler Polynomials", Miskolc Mathematical Notes, Vol. 20 (2019), No. 1, pp. 311-33, DOI: 10.18514/MMN.2019.2470. **(Q2)**

B. Publications in TÜBİTAK-ULAKBİM Journals:

B1. Sarp U., Evirgen F. And İkikardes S., “*Applications of differential transformation method to solve systems of ordinary and partial differential equations*”, J. BAUN Inst. Sci. Technol., 20(2), 135-156, (2018). DOI:10.25092/baunfbed.423145.

B2. Sarp U., and Emin A. “Which one to choose and why, Maple or Mathematica in 2022?” (preparing)

B3. Emin A. and Sarp U., “*Groupoid and Semigroup Construction on Isosceles Triangular Numbers*” (Hakemde)

C. Publications in ESCI Journals:

C1. Sarp U., Visualizing connections between types of polygonal number, The Mathematical Gazette, Vol. 107, Issue 568, (March 2023) , pp. 56 – 64.

C2. Emin A. and Sarp U., Simple Continued Fractions for Centered Polygonal Numbers, Transactions of A. Razmadze Mathematical Institute, Vol. 176 (2022), Issue 2, pp. 197–205.

D. International Conferences:

D1. Sarp U., (Kurtuldu Y.) “*Using of GAP (Groups, Algorithms and Programming) in some semigroups*”, The 24th International Conference of Jangjeon Mathematical Society, July 20-23 2011, Konya, TÜRKİYE.

D2. Sarp U., (İkikardes S.) “*On Solving Some Partial Differential Equations*”, International Congress in Honour of Professor Ravi P. Agarwal at The Auditorium at the Campus of Uludağ University, June 23-26 2014, Bursa, TÜRKİYE.

D3. Sarp U., (Kim D., İkikardes S.) “*A Study of Properties of the Absolute Möbiüs Divisor Function and Their for Leaf Veins*”, International Workshop on Mathematical Methods İn Engineering, Çankaya University, April 27-29 2017 Ankara, TÜRKİYE.

D4. Sarp U., (Kim D., İkikardes S.) “*The Shifted Absolute Möbiüs Divisor Function and Euler phi-function*”, 4th International Conference on Recent Advances in Pure and Applied, Istanbul Commerce University, May 11-15 2017 Kuşadası, Aydın, TÜRKİYE.

D5. Sarp U., (Kim D., İkikardes S.) “Some Application about Möbiüs Function”, International Conference on Pure and Applied Mathematics ICPAM 2018, September 11-13 2018, Van, TÜRKİYE.

D6. Sarp U., “Centered Polygonal Numbers and Polygonal Numbers”, International Symposium on Current Developments in Fundamental and Applied Mathematics Sciences ISCDFAMS, May 23-25 2022, Erzurum, TÜRKİYE.

D7. Sarp U., “*New Polygonal Numbers Identity by using Animation Proof Technique*”, 7th International Students Science Congress May 12-13 2023, İzmir - TÜRKİYE.

E. National Conferences:

E1. Sarp U., “Çokgen Sayılar ve Görsel İspatlar”, 35. Ulusal Matematik Sempozyumu Ums2023, September 4-8 2023, Edirne - TÜRKİYE.

F. International Conferences Attended:

F1. Sarp U., Recent Trends in Nonlinear Partial Differential Equations and Applications, May 28-30 2014 Trieste, ITALY.

G. National Conferences Attended:

G1. Sarp U., 3. Ulusal Konya Ereğli Kemal Akman Meslek Yüksek Okulu Tebliğ Günleri, April 2011, Konya, TÜRKİYE.

H. International Organization Duties:

H1. Sarp U., International Congress in Honour of Professor Hari M. Srivastava, August 23-26, 2012 Bursa, TÜRKİYE. (Committee Member)

H2. Sarp U., International Conference on Algebra in Honour of Patrick Smith and John Clark’s 70th Birthdays, August 12-15 2013, Balıkesir, TÜRKİYE. (Committee Member)

H3. Sarp U., International Congress in Honour of Professor Ravi P. Agarwal at The Auditorium at the Campus of Uludag University, June 23-26 2014, Bursa, TÜRKİYE. (Committee Member)

H4. Sarp U., Introductory Workshop on Modular Methods in Diophantine Equations, September 08-11, 2014, Bilecik, TÜRKİYE. (Committee Member)

H5. Sarp U., 2nd International Conference on Algebra in Honour of Leonid BOKUT and Surender K. JAIN, August 26-29 2016, Balıkesir, TÜRKİYE. (Committee Member)

H6. SARP U., Friendly Workshop on Diophantine Equations and Related problems (FWDERP-2019), July 6-8 2019, Bursa Uludağ University, Bursa, TÜRKİYE. (Committee Member)

H7. Sarp U., 7th International Students Science Congress May 12-13 2023, İzmir - TÜRKİYE. (Committee Member)

H8. Sarp U., III. Uluslararası Yapay Zekâ ve Veri Bilimi Kongresi, July 28 2023, İzmir - TÜRKİYE. (Committee Member)

I. International Organization Other Duties:

I1. Sarp U., The 24th International Conference of Jangjeon Mathematical Society, July 20-23 2011, Konya, TÜRKİYE. (Website and Printed Images)

I2. Sarp U., International Autumn School on Computational Number Theory October 30 2017 – November 03 2017, Izmir Institute of Technology, İzmir, TÜRKİYE. (Poster Design)

I3. Sarp U., International Workshop on Elliptic Curves, Modular Forms and Langlands Functoriality, 10-11 May 2018, Bilecik, TÜRKİYE. (Poster Design)

I4. Sarp U., Summer School, Explicit and Computational Approaches to Galois Representations, July 3-7 2018, University of Luxembourg, LUXEMBOURG. (Poster Design)

J. National Organization Duties:

J1. Sarp U., Balıkesir Büyükşehir Belediyesi ve Karesi İlçe Belediyesi, Matematik Cepte; Mobil Cihaz Uygulaması”, 2015-... Balıkesir, TÜRKİYE. (Committee Member)

K. Editorials:

K1. Sarp U., Guest Editor, Special Issue: Polygonal and Figurate Numbers, Contemporary Mathematics (ESCI), Deadline for Submissions: 31 January 2024

K2. Sarp U., Managing and Section Editor, Journal of Artificial Intelligence and Data Science.

L. Projects:

L1. Sarp U., (Ikikardes S.) supported by the Scientific Research Projects Unit of Balıkesir University, Project number 2014/155, “*Solving of some partial differential equations by Differential Transform Method and Comparison with other methods (M.Sc. thesis Project)*”, 26 March 2014 Balıkesir, TÜRKİYE.

L2. Sarp U., (Ikikardes S.) supported by the Scientific Research Projects Unit of Balıkesir University, Project number 2017/20, “*Möbiüs Function Sum and Relation of Polygon Numbers (PhD Thesis Project)*”, 2019, Balıkesir, TÜRKİYE.

M. Certificates:

M1. Google Academy, “*Eğitim Semineri*”, 26 March 2011 Konya, TÜRKİYE.

M2. Serper Bilgisayar Kursu-Balıkesir, “*Web Tasarım (Dreamweaver, Photoshop, CorelDraw, Fireworks)*”, 02 March 2013 Balıkesir, TÜRKİYE.

M3. Serper Bilgisayar Kursu-Balıkesir, “*Delphi*”, 29 April 2013 Balıkesir, TÜRKİYE.

M4. Serper Bilgisayar Kursu-Balıkesir, “*Visual C# 2010*”, 06 August 2013 Balıkesir, TÜRKİYE.

M5. Serper Bilgisayar Kursu-Balıkesir, “*MS SQL SERVER*”, 10 September 2013 Balıkesir, TÜRKİYE.

M6. Serper Bilgisayar Kursu-Balıkesir, “*.NET*”, 10 September 2013 Balıkesir, TÜRKİYE.

M7. Serper Bilgisayar Kursu-Balıkesir, “*Bilgisayar Programcılığı (MEB onaylı)*”, 07 October 2013 Balıkesir, TÜRKİYE.

M8. Sakarya Üniversitesi Sürekli Eğitim Merkezi, “İş ve Meslek Danışmanlığı Mesleki Yeterlilik Belgesi”, 07 Ocak 2014 Sakarya, TÜRKİYE.

M9. UniCertificate (Universal Certificate), “SolidWorks”, 04 Şubat 2014 TÜRKİYE.

M10. Sakarya Üniversitesi Sürekli Eğitim Merkezi, “Bilgi İşlem Destek Elemanı Mesleki Yeterlilik Belgesi”, 10 September 2014 Sakarya, TÜRKİYE.

M11. Balıkesir Büyükşehir Belediyesi ve Karesi ilçe Belediyesi, *Matematik Cepte Mobil Cihaz Uygulaması Desteği Teşekkür Belgesi*, 22 October 2016 Balıkesir, TÜRKİYE.

M12. Serper Bilgisayar Kursu-Balıkesir, Mikro Ticaret ve Muhasebe Uygulamaları Standart Eğitim Belgesi, 2013 Balıkesir, TÜRKİYE.

M13. İzmir Kâtip Çelebi Üniversitesi, Tübitak Proje Yazma Eğitimi, 2022, İzmir, TÜRKİYE.

M14. Türk Standartları Enstitüsü, TS EN ISO 9001:2015 Kalite Yönetim Sistemi Temel Eğitimi Katılım Sertifikası, 2023, İzmir, TÜRKİYE.

M15. Türk Standartları Enstitüsü, TS EN ISO 9001:2015 Kalite Yönetim Sistemi İç Tetkik Eğitimi Katılım Sertifikası, 2023, İzmir, TÜRKİYE.

N. Academical Positions:

N1. Social Security Inspector, Social Security Institution, 2016-2020,

N2. Lecturer Dr., Mathematics,

N3. Quality Committee Member,

N4. Strategic Planning Team Member,

O. Courses Thought:

O1. COG 110, 2020-2021: Statistics for Geography and Earth Sciences.

O2. COG 110, 2021-2022: Statistics for Geography and Earth Sciences.

O3. COG 110, 2021-2022: GeoStatistics.

O4. COG 110, 2022-2023: GeoStatistics.

O5. COG 110, 2022-2023: Statistics for Geography and Earth Sciences.

O4. COG 110, 2023-2024: GeoStatistics.

Programs:

Office; good
Maple; good
Latex; good
Matematica; good
Matlab; quite good
Gap; quite good
Geogebra; good
Visual C# 2010; good

Adobe Dreamweaver; good
Adobe Photoshop; good
CorelDraw; quite good
Adobe Illustrator; quite good
Delphi; quite good
Php; quite good
Ms Sql Server; quite good
.Net; quite good

Some of the pages I have designed, helped or moderated:

- <http://ica.balikesir.edu.tr>
- <http://fwderp2019.uludag.edu.tr>
- <https://apps.apple.com/tr/app/matematik-cepte/id1046539770?l=tr>

Research Interest:

- Number Theory
- Polygonal Numbers
- Algebraic Number Theory
- Combinatorics
- Distance Mathematics Education
- Numbers
- Figurate Numbers
- Engineering, Applied and Computational Mathematics
- Modeling and Simulation
- Optimization
- Physical Mathematics
- Biological Mathematics
- Numerical Methods
- Mathematical modeling of nature