

Curriculum Vitae

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Name and Surname: Ümit SARP

Date / place of birth: 05 August 1988 / Kepsut, Balıkesir, TURKEY

E-mail: umitsarp@ymail.com

Web Page: <http://www.umitsarp.com>

Job: Social Security Inspector Asst. (SGK)

Foreign Language Score: 82.5 (English)

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

Undergraduate Thesis: "The Beamer Slide of Linear Algebra Book", 2011, Konya, TURKEY

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

PhD Thesis: "Relation of Möbius Function Sum and Polygonal Numbers" , 2019, Balıkesir, TURKEY.

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

A2. D. Kim, U. Sarp and S. İkikardes, "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

A3. Kim D., Sarp U. and İkikardes S., Möbius-Stirling Numbers, (preparing).

B. Publications in TÜBİTAK-ULAKBİM Journals:

B1. U. Sarp, F. Evirgen and S. İkikardes, “*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 (Maple Code)

C. National Organization Duties:

C1. SARP U., Balıkesir Büyükşehir Belediyesi ve Karesi İlçe Belediyesi, Matematik Cepte; Mobil Cihaz Uygulaması ”, 2015-... Balıkesir, TURKEY.

D. International Organization Duties:

D1. SARP U., The 24th International Conference of Jangjeon Mathematical Society, July 20-23 2011, Konya, TURKEY. (Website and Printed Images)

D2. SARP U., International Congress in Honour of Professor Hari M. Srivastava, August 23-26, 2012 Bursa, TURKEY. (Committee Member)

D3. SARP U., International Conference on Algebra in Honour of Patrick Smith and John Clark’s 70th Birthdays, August 12-15 2013, Balıkesir, TURKEY. (Committee Member)

D4. 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, TURKEY. (Committee Member)

D5. SARP U., Introductory Workshop on Modular Methods in Diophantine Equations, September 08-11, 2014, Bilecik, TURKEY. (Committee Member)

D6. SARP U., 2nd International Conference on Algebra in Honour of Leonid BOKUT and Surender K. JAIN, August 26-29 2016, Balıkesir, TURKEY. (Committee Member)

D7. SARP U., International Autumn School on Computational Number Theory October 30 2017 – November 03 2017, Izmir Institute of Technology, İzmir, TURKEY. (Poster Design)

D8. SARP U., International Workshop on Elliptic Curves, Modular Forms and Langlands Functoriality, 10-11 May 2018, Bilecik, TURKEY. (Poster Design)

D9. SARP U., Summer School, Explicit and Computational Approaches to Galois Representations, July 3-7 2018, University of Luxembourg, LUXEMBOURG. (Poster Design)

D10. SARP U., Friendly Workshop on Diophantine Equations and Related problems (FWDERP-2019), July 6-8 2019, Bursa Uludağ University, Bursa, TURKEY. (Committee Member)

E. National Conferences:

E1. SARP U., 3. Ulusal Konya Ereğli Kemal Akman Meslek Yüksek Okulu Tebliğ Günleri, April 2011, Konya, TURKEY.

F. International Conferences:

F1. 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, TURKEY.

F2. SARP U., Recent Trends in Nonlinear Partial Differential Equations and Applications, May 28-30 2014 Trieste, ITALY.

F3. SARP U., (IKIKARDES S.) “*On Solving Some Partial Differential Equations*” ,International Congress in Honour of Professor Ravi P. Agarwal at The Auditorium at the Campus of Uludag University, June 23-26 2014, Bursa, TURKEY.

F4. SARP U., (KIM D., IKIKARDES S.) “*A Study of Properties of the Absolute Möbius Divisor Function and Their for Leaf Veins*” ,International Workshop on Mathematical Methods In Engineering, Çankaya University, April 27-29 2017 Ankara, TURKEY.

F5. SARP U., (KIM D., IKIKARDES S.) “*The Shifted Absolute Möbius 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, TURKEY.

F6. SARP U., (KIM D., IKIKARDES S.) “*Some Application About Möbius Function*”, International Conference on Pure And Applied Mathematics ICPAM 2018, September 11-13 2018, Van, TURKEY.

G. Projects:

G1. 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, TURKEY.

G2. SARP U., (IKIKARDES S.) supported by the Scientific Research Projects Unit of Balıkesir University, Project number 2017/20, “*Möbius Function Sum and Relation of Polygon Numbers (PhD Thesis Project)*”, 2019, Balıkesir, TURKEY.

H. Certificates:

H1. Google Genç Ajanslar Akademisi, “*Eğitim Semineri*”, 26 March 2011 Konya, TURKEY.

H2. Serper Bilgisayar Kursu-Balıkesir, “*Web Tasarım (Dreamweaver, Photoshop, CorelDraw, Fireworks)*”, 02 March 2013 Balıkesir, TURKEY.

H3. Serper Bilgisayar Kursu-Balıkesir, “*Delphi*”, 29 April 2013 Balıkesir, TURKEY.

H4. Serper Bilgisayar Kursu-Balıkesir, “*Visual C# 2010*”, 06 August 2013 Balıkesir, TURKEY.

H5. Serper Bilgisayar Kursu-Balıkesir, “*MS SQL SERVER*”, 10 September 2013 Balıkesir, TURKEY.

H6. Serper Bilgisayar Kursu-Balıkesir, “*.NET*”, 10 September 2013 Balıkesir, TURKEY.

H7. Serper Bilgisayar Kursu-Balıkesir, “*Bilgisayar Programcılığı (MEB onaylı)*”, 07 October 2013 Balıkesir, TURKEY.

H8. Sakarya Üniversitesi Sürekli Eğitim Merkezi, “*İş ve Meslek Danışmanlığı Mesleki Yeterlilik Belgesi*”, 07 Ocak 2014 Sakarya, TURKEY.

H9. UniCertificate (Universal Certificate), “*SolidWorks*”, 04 Şubat 2014 TURKEY.

H10. Sakarya Üniversitesi Sürekli Eğitim Merkezi, “*Bilgi İşlem Destek Elemanı Mesleki Yeterlilik Belgesi*”, 10 September 2014 Sakarya, TURKEY.

H11. Balıkesir Büyükşehir Belediyesi ve Karesi İlçe Belediyesi, “*Matematik Cepte Mobil Cihaz Uygulaması Desteği Teşekkür Belgesi*”, 22 October 2016 Balıkesir, TURKEY.

H12. Serper Bilgisayar Kursu-Balıkesir, Mikro Ticaret ve Muhasebe Uygulamaları Standart Eğitim Belgesi, 2013 Balıkesir, TURKEY.

Programs:

Office; good
Maple; good
Latex; good
Matematica; quite good
Matlab; quite good
Gap; quite good
Geogebra; good

Visual C# 2010; good
Dreamweaver; good
Photoshop; good
CorelDraw; quite good
Fireworks; quite good
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Research Interest:

- Number Theory
- Algebra
- Algebraic Number Theory
- Combinatorics
- Numbers
- Polynomials
- Engineering, Applied and Computational Mathematics
- Numerical Analysis
- Modeling and Simulation
- Optimization
- Physical Mathematics
- Biological Mathematics
- Numerical Methods