

## CURRICULUM VITAE

1. **Name Surname:** ELİF MEDETOĞULLARI
2. **Date of Birth:** 1981
3. **Title:** Part time instructor
4. **Education:** PhD
5. **Organization:** TED University (since 09-2019), Middle East Technical University (since 07-2019)
6. **Contact Information:**  
Tel: +903122105368  
e-mail: elif.medetogullari@tedu.edu.tr



Degree	Field	University	Year
Bachelor's Degree (Minor Degree)	Mathematics (Philosophy)	Middle East Technical University, Ankara, Turkey	2003
Master's Degree	Geomerty-Topology	Middle East Technical University, Ankara, Turkey	2006
PhD Degree	Contact Geometry-Topology	Middle East Technical University, Ankara, Turkey	2010

### 7. Akademik Titles:

Date of Assistant Professorship: 2017 – 2019 (at Atılım University)

### 9. Publications:

9.1. Articles published in international refereed journals (SCI, SSCI, SCI-E, Arts and Humanities):

- Atalan F., **Medetoğulları E.**, Birman-Hilden property of covering spaces of nonorientable surfaces, *to be appeared in Ukrainian Mathematical Journal*, 72, 4, 2020
- Dalyan E., **Medetoğulları E.**, Pamuk M. , A note on generalized Matsumoto relation, *Turkish Journal of Mathematics* , Doi: 10.3906/mat-1512- 87, 2017

9.3. Paper presentations presented at international conferences and published abstracts at conference abstract books:

- **Elif Medetoğulları**, Tight contact on structures on Seifert manifolds over  $S^2$  with more than three singular fibers, Caucasian Mathematics Conference II, Van, Turkey 22-24 August 2017
- **Elif Medetoğulları**, Ferihe Atalan, On the Birman-Hilden Property, XIX. Antalya Algebra Days, 17-21 Mayıs 2017
- **Elif Medetoğulları**, Ferihe Atalan, Birman-Hilden property of non-orientable surfaces 6. Congress of Mathematicians of Macedonia,(73) 13-15 Haziran 2016
- **Elif Medetoğulları**, A survey on the classification of tight contact structures on Seifert fibered 3-manifolds, İstanbul Contact Geometry and Topology Workshop, 7-10 Haziran 2010

9.5. Paper presentations presented at national conferences and published abstracts at conference abstract books:

- Kadın Matematikçiler Çalıştayı, Dicle Üniversitesi, 5-7 Mayıs, 2018
- Tayt kontak yapılar ve Seifert manifoldlar, **Elif Medetoğulları**, Ankara Matematik Günleri, (19), 2017

- Yüzeyley için Birman-Hilden özelliđi, **Elif Medetođulları**, Ferihe Atalan, Ulusal Matematik Sempozyumu, Akdeniz Üniversitesi,(155), 2015
- Matsumoto bađıntısının genelleştirilmesinin alternatif ispatı, Elif Dalyan, **Elif Medetođulları**, Mehmetcik Pamuk, Ulusal Matematik Sempozyumu, Yeditepe Üniversitesi,(1), 2014

#### 9.7. Other publications:

- **Elif Medetođulları**, Cansu Betin Onur, Esnek Çokkenarlılar ve Sihirli Kareler, *Tübitak, Bilim ve Genç'te yayınlanmak üzere*
- **Elif Medetođulları**, Cansu Betin Onur, Origami ile Soma Küpü, *Eđlenceli Bilim Dergisi*, Şubat 2017
- **Elif Medetođulları**, Cansu Betin Onur, Elif Kavak, Sema Yegin, Emine Özge Özgen, Merve Irmak, Origami ile Matematik, *Cumhuriyet Gazetesi Bilim Eki*, 2014
- **Elif Medetođulları**, Cansu Betin Onur, Emine Özge Özgen, Merve Irmak, Elif Kavak, Sema Yegin, Hayatımız Origami, *Cumhuriyet Gazetesi Bilim Eki*, 2014
- Necmettin Tanrıöver, **Elif Medetođulları**, Comment on Inventory policy for products with price and time-dependent demands. *Journal of the Operational Research Society*, 57(12):1498-1499, 2006

#### 10. Projects:

- No: 109T671 TÜBİTAK 1001 Project researcher, Department of Mathematics, Bođaziçi University, 02-08, 2011
- No: LAP13145 Origami and Mathematics, Supervisor (with Cansu Betin Onur), Atılım Üniversitesi, 2014

#### 11. Administrative Duties /Organizational and Professional Services:

- FEDEK coordinator, Department of Mathematics, Atılım University (2017-2019)
- Arf Math Club advisor, Department of Mathematics, Atılım University (2017-2019)
- Mathematics competition coordinator, Department of Mathematics, Atılım University (2017-2019)
- FEDEK committee member, Department of Mathematics, Atılım University (2015-2017)
- Mathematics competition committee member, Department of Mathematics, Atılım University (2010-2017)
- Departmental contact to new comers and alumni committee member, Department of Mathematics, Atılım University (2010-2017)

#### COURSES DESIGNED

- Math575: Calculus On Manifolds (with Ferihe Atalan)
- Math572: Differentiable Manifolds (with Ferihe Atalan)
- Math577: An Intr.to Low Dim. Topology (with Ferihe Atalan)
- Math37\*: Origami and Mathematics (with Cansu Betin Onur)

#### 12. Affiliations:

- Association of Turkish Women in Mathematics (TKMD)
- Turkish Mathematical Society (TMD)
- Turkish Japanese Foundation Association (TJVD)

13. Awards or Grants: 2214 TUBITAK Grant, Columbia University, New York, USA, 2007-2008

14. Fill in the table below for the courses taught in undergraduate and graduate levels in the last two years.

Academic Year	Semester	Course	Course Hour	Number of Students
2019-2020	Fall	Math 112 Int. Multivariable Calculus (TEDU)	4	45
		Mat119 Calculus with Analytic Geometry (METU)	4	200
		Math203 Differential Equations and Linear Algebra (TEDU)	3	12
		Math203 Differential Equations and Linear Algebra (TEDU)	3	12
		Math303 Int.to Differential Equations	5	3
	Spring	Math 112 Int. to Multivariable Calculus (TEDU)	4	45
		Math120 Calculus of Functions of Several Variables (METU)	4	200
		Math312 Linear Algebra (TEDU)	4	3
		Mate106 Discrete Mathematics	2	30
2018-2019	Fall	Math105 Calculus 1 (Atılım U.)	3	70
		Math105 Calculus 1 (Atılım U.)	3	40
		Math231 Linear Algebra 1 (Atılım U.)	4	15
	Spring	MATH122 Analytic Geometry 2 (Atılım U.)	3	12
		Math232 Linear Algebra 2 (Atılım U.)	4	10
		Math106 Calculus 2 (Atılım U.)	3	25
	Summer	MATH120 Calculus 2 (METU)	6	50
2017-2018	Fall	Math107 Calculus 1 (Atılım U.)	2	45
		Math276 Differential Equations (Atılım U.)	4	89
		Math 276 Differential Equations (Atılım U.)	4	36
	Spring	Math108 Calculus 2 (Atılım U.)	2	32
		Math151 Calculus 1 (Atılım U.)	4	50
		Math157 Calculus 1 (Atılım U.)	4	60
	Summer	Math275 Linear Algebra (Atılım U.)	4	40

## 15. Professional Development Services: LANGUAGES

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- Advanced English, Basic French and Italian, Native Speaker of Turkish
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## COMPUTER SKILLS

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- C, C++, Database Management Systems

## ORGANIZATIONS PARTICIPATED

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- 6. International OSME (Origami, Science, Maths and Education) Conference, Tokyo University, Japan, 2014
- Introductory Workshop: Symplectic and Contact Geometry and Topology, Berkeley, MSRI, US, August 17- 21, 2009
- Connections for Women: Symplectic and Contact Geometry and Topology, Berkeley, MSRI, US, August 11-14, 2009
- Holomorphic Curves Algebraic Structures and Its Applications, Stanford University, Stanford, CA, US, August, 18-August 29 2008
- Low Dimensional Topology, MSRI, Berkeley, CA, US, August 11-August 15 2008
- Women in Mathematics, Knots and Surfaces, IAS Princeton, NJ, US, May 18-23 2008
- Cornell Topology Festival, Cornell University Ithaca, NY US, May 2-5 2008
- Illinois-Indiana Symplectic Geometry Conference Indianapolis, US, March 15-16 2008
- Topology Day, Atılım University, Department of Mathematics, TURKIYE, December 9, 2006
- 14th Gokova Geometry and Topology Conference, TURKIYE, May, 2007
- Summer School on Low Dimensional Topology, Clay Mathematic Institute, (IAS), Park City, Utah US, June 25-July 15, 2006
- Summer School and Conferences on Geometry and Topology of 3 Manifolds, Trieste, ITALY, June 15-July 5, 2005

## 16. Other Work Experience:

- **Atılım University**, Turkey, Department of Mathematics: Assistant Professor (2017 – 2019)
- **Atılım University**, Turkey, Department of Mathematics: Instructor Dr. (2010 – 2017)  
(**Boğaziçi University**, Turkey, Department of Mathematics: Postdoctoral Researcher (02.2011-09.2011))
- **Atılım University**, Turkey, Department of Mathematics: Instructor (2009 – 2010)
- **Atılım University**, Turkey, Department of Mathematics: Teaching Assistant (2008 – 2009)
- **Columbia University**, New York, US, Department of Mathematics: Exchange Scholar (2007-2008)
- **Başkent University**, Turkey, Department of Computer Engineering: Instructor (2006-2007)
- **Başkent University**, Turkey, Department of Industrial Engineering: Teaching Assistant (2004-2006)

### **Worshops Organized:**

- Origami ve Matematik: Olaya bir de başka açıdan bakalım, Eğitimde Fark Yarat Kongresi, TED Üniversitesi, Mayıs, 2020
- Origami-Fleksagonlar-İlköğretim Okullarına Yardım Vakfı(İlkyar), ODTÜ-Temmuz 2019
- Several workshops and classes about origami and geometry as a volunteer in ŞİMDİLİK Association for children living in our neighborhood (100. Yıl)
- Origami ve Matematik-4007 Tübitak Projesi, Ulucanlar, 3 gün, Ekim 2018
- Origami ile Matematik, Bilfen Koleji, 2017
- Origami ile Pi'yi bulmak, Zafer Koleji, Mart 2017
- Origami ile Pi'ye yaklaşıyorum, Zafer Koleji, Mart 2015
- Origami ve Matematik, Türk Zeka Vakfı, 2.Zeka ve Yetenek Kongresi, 2 gün Kasım 2014
- Liseli öğrencilere yönelik Origami ve Matematik Etkinliği, Atılım Üniversitesi, Nisan 2014

### **ORGANIZING COMMITTEE MEMBERSHIPS**

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- 6.Kadın Matematikçiler Çalıştayı, Selçuk Üniversitesi, Konya, 26-28 Nisan 2019
  - 5.Kadın Matematikçiler Çalıştayı, Dicle Üniversitesi, Diyarbakır, 5-7 Mayıs 2018
  - Ulusal Matematik Sempozyumu, Atılım Üniversitesi, 8-18 Ağustos 2017
  - ICAMA2016, Atılım Ünivesitesi, 11-13 Temmuz 2016
  - Atılım Geometry-Topology Workshop, 15-16 Mayıs 2015
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### **INVITED TALKS**

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- Some Recent Results on Birman-Hilden Theory, Workshop on Curves, Mapping Class Groups and their Applications, 2020
  - Lifiable Homeomorphism of Branched Covers, Hacettepe Üniversitesi, Prof. Dr. Michael Brown Anısına 4. Topoloji Çalıştayı, 2019
  - Branched covers and Birman-Hilden property, Contact Topology Workshop, Hacettepe Üniversitesi, 2019
  - Origami ile matematik, Hitit Üniversitesi, Çorum, 2018
  - Origami ve matematik, Selçuk Üniversitesi, Konya, 2016
  - Geometry Topology Days, Classification of contact structures and convex surfaces, Hacettepe Üniversitesi, 2016
  - On the generalized Matsumoto relation, Atılım Geometry-Topology Workshop, 2015
  - Contact structures, Geometry-Topology Seminars, Bilkent University, 2014
  - Ankara Matematik Günleri, Atılım Ünivesitesi, 12-13 Haziran 2014
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