CURRICULUM VITAE

1. Name Surname   **:** Aysun TEZEL ÖZTURAN
2. Academical Duty   **:** Asist. Prof. Dr.
                                      e-mail: aozturan@hacettepe.edu.tr

3. Educational Background

Degree	University	Department	Year
BSc.	METU	Mathematics Education	2001
BSc. (Double Major)	METU	Mathematics	2001
MSc.	METU	Mathematics	2004
PhD.	METU	Mathematics	2010

4. Theses

PhD. Thesis:
A semismooth Newton method for generalized semi-infinite programming problems, June 2010, METU, (Supervisor: Prof. Bülent Karasözen, Department of Mathematics, METU, coadvisor: Prof. Oliver Stein, Karlsruhe Institute of Technology, Institute of Operations Research, Karlsruhe, Germany)

MSc. Thesis:
Smooth and nonsmooth Newton-type methods for solving semi-infinite programming, December 2004, (Supervisor: Prof. Bülent Karasözen, Department of Mathematics, METU, coadvisor: Prof. Gerhard Wilhelm Weber, Institute of Applied Mathematics, METU)

5. Foreign Languages: English (Fluent): Language Exam Result (ÜDS): 95/100, German (Basic)

6. Academical Duties

Name of Duty	Institution	Year/Dates
Asist. Prof.	Department of Mathematics,Hacettepe University	March 2015-continued
Dr. Lecturer	Department of Mathematics,Hacettepe University	February 2011-March 2015
Research Assistant	Department of Mathematics, Selçuk University	October 2010- February 2011
Research Assistant	Department of Mathematics, METU	August 2002-October 2010

7. Research Visits

Prof. Dr. Oliver Stein University of Karlsruhe, Karlsruhe, Germany	October 2006–October 2007
Prof. Dr. Lorenz Biegler, Carnegie Mellon University, Pittsburgh, USA	July 2006–August 2006
Prof. Dr. Oliver Stein, RWTH Aachen University, Aachen, Germany	January-February 2006
Prof. Dr. Georg Still, University of Twente, Enschede, Netherlands	September-October 2004
Prof. Dr. Oliver Stein, RWTH Aachen University, Aachen, Germany	August-September 2004

8. Publications

1. **Tezel Ozturan, A., Optimizasyon ve Matlab Uygulamaları**, 558 pages, Nobel Akademik Yayıncılık, 2019 (National Book).

2. **Tezel Ozturan, A.,** Numerical Methods for solving Semi-infinite Optimization Problems, 152 pages, Lap Lambert Academic Publishing, 2016 (International Book, ISBN 978-3-659-94206-8).

3. **Tezel Ozturan, A.,** On an application of generalized semi-infinite optimization, accepted, Acta Physica Pol. A, 2016. (SCI-expanded)

4. **Tezel Ozturan, A.,** Solving generalized semi-infinite optimization problems with a trust region method, Acta Physica Pol. A, Vol. 28, p.93-97, 2015. (SCI- expanded)

5. Weber, G.-W., Kropat, E., **Tezel, A.,** Belen, S., *Optimization applied on regulatory and eco-finance networks - survey and new developments,* Pacific Journal of Optimization 6, 2 (2010) 319-340, special issue in memory of Professor Alexander Rubinov (guest eds.: M. Fukushima, C.T. Kelley, L. Qi, J. Sun and Y. Ye). (SCI-expanded)

6. Stein, O., **Tezel, A.,** *The semismooth approach for semi-infinite programming without strict complementarity*, SIAM Journal of Optimization, Vol:20, issue: 2, pp.1052-1072, 2009. (SCI)

7. Weber, G.-W., Uğur, Ö., Taylan, P., **Tezel, A.,** *On optimization, dynamics and uncertainty: a tutorial for gene-environment networks*, Special issue Networks in Computational Biology of Discrete Applied Mathematics, Vol:157, issue:10, pp.2494-2513, May 2009. (SCI-expanded)

8. Stein, O., **Tezel, A.,** *The semismooth approach for semi-infinite programming under the Reduction Ansatz*, Journal of Global Optimization, Vol:41, issue:2, pp.245-266, 2008. (SCI)

9. Weber, G.-W., **Tezel, A.,** Taylan, P., Söyler, A., Çetin, M., *Mathematical contributions to dynamics and optimization of gene-environment networks*, Optimization,Vol:57, issue:2, pp.353-377, April 2008. (SCI)

10. Weber, G.-W., **Tezel, A.,** *On generalized semi-infinite optimization of genetic networks,* TOP, the Operational Research journal of SEIO (Spanish Statistics and Operations Research Society), Vol:15, issue:1, pp..65-77, 2007. (SCI-expanded)

11. Weber, G.-W., **Tezel, A.,** *New views: Generalized semi-infinite optimization of genetic networks*, TOP, Vol:14, issue:1, pp.48-55, June 2006. (SCI-expanded)

9. Conferences

1. International conference on computational and experimental Science and Engineering (ICCESEN 2015), Antalya, October 14-19, 2015.

2. International conference on computational and experimental Science and Engineering (ICCESEN 2104), Antalya, October 25-29, 2014.

3. 6th International Congress on Industrial and Applied Mathematics, ICIAM 07, Zurich, Switzerland, July 16-20, 2007.

4. EURO XXII, 22nd European Conference on Operational Research, Prague, Czech Republic, July 8-11, 2007.

5. EUROPT-OMS 2007, Prague, Czech Republic, July 4-7, 2007.

6. EUROXXI, 21st European Conference on Operational Research, Reykjavik, Iceland,
    July 2-5, 2006.

7. Workshop on Advances in Continuous Optimization,Reykjavik, Iceland, June 30-July 1, 2006.

8. Workshop on Networks in Computational Biology, METU, Ankara, September 10-12, 2006.

9. 8th SIAM Conference in Optimization, Stockholm, Sweden , May 15-19, 2005.

10. EURO Summer Institute: Optimization and Data Mining, METU, Ankara, July 9-25, 2004.

11. Workshop on Advances in Continuous Optimization, Istanbul, July 4-5, 2003.

10. Awards/Scholarships

- 2010 Best PhD Thesis Award, Graduate School of Natural and
  Applied Sciences, METU.
- DAAD scholarship for 6 months, University of Karlsruhe (TH), 2006.
- TÜBİTAK (ULAKBİM) paper award, 2008.

11. Memberships

- EURO - Association of European Operational Research Societies
- EUROPT - The Continuous Optimization Working Group of EURO
- SIAM - Society of Industrial and Applied Mathematics

12. Administrative Duties

- Member of organization committee, EUROPT-OMS 2007, Prague, Czech Republic,
  July 4-7, 2007.

- Member of organization committee,Workshop on Advances in Continuous Optimization,
  Reykjavik, Iceland, 30 June–1 July 2006.

- Webpage master of
  *http://www.euro-online.org/web/ewg/20/ewg-europt-euro-continuous-optimization*EWG
  EUROPT, EURO Continuous Optimization, 2004-2012.

13. Teaching Activities

MAT 115-Temel Matematik
MAT 123-Mathematics I
MAT 107-Matematik I
MAT 108-Matematik II
MAT 124-Mathematics II
SAİ 130-İşletme Matematiği
MAT 236-Engineering Mathematics II
MAT 238-Mühendislik Matematiği
MAT 307- Nümerik Analiz (Hidrogeology Eng.)
MAT 307-Numerical Analysis (Nukleer Eng.)

MTK 306-Optimizasyona Giriş
MTK447-Doğrusal Olmayan Programlama
MTK 448-Konveks Optimizasyon
MTK 465-Matlab ile Programlama
MTK 331-Nümerik Analiz I
MTK 332- Nümerik Analiz II
MTK 619-İleri Sürekli Optimizasyon