

ÖZGEÇMİŞ

Mustafa Bayram, Prof. Dr.

1. Eğitim:

- a. **BSc:** Ataturk University Mathematical Sciences, 1986
- b. **MSc:** Ataturk University Mathematical Sciences, 1988
- c. **PhD:** University of Bath, Mathematical School (Computing), 1993

2. Akademik Deneyimler:

- a. Assistant Prof. Dr.; Ataturk University Mathematical Sciences, 1994-2000
- b. Assoc. Prof. Dr.; Ataturk University Mathematical Sciences, 2000-2004
- c. Assoc. Prof.; Yildiz Technical University, Mathematical Sciences, 2004-2005
- d. Prof. Dr.; Yildiz Technical University, Mathematical Sciences, 2005-2010
- e. Prof. Dr.; Yildiz Technical University, Mathematical Engineering, 2010-2015
- f. Prof. Dr.; Uskudar University, Computer Engineering, 2015-2016
- g. Prof. Dr.; Istanbul Gelisim University, Computer Engineering, 2016-Present

3. Akademi Dışı Deneyimler:

- Manager of Biska Bilişim Ar-Ge yazılım Ltd. 2012-Present
Advisor of Saruhan Kimya, 2012-2015.

4. Profesyonel Kuruluşlara Üyelikler:

- a. American Mathematical Society
- b. Turkish Mathematical Society

6. Ödüller:

- a. Higher Education Council of Turkey doctoral scholarship in the UK (1988-1993)
- b. TÜBİTAK – 70 times publication promotions

7. Hizmetler:

- a. Computer and Network Coordinator, Ataturk University, 1998-2003
- b. Instructor of Computer Application and Research Center, Ataturk Uni., 1998-2003
- b. Vice Chairman of the Department of Mathematics, Yildiz Technical Uni., 2005-2008
- c. Dean of Chemical and Metallurgical Faculty, Yildiz Technical Uni., 2010-2015
- d. Chairman of Healthcare Management, Uskudar University, 2015-2016
- e. Dean of Engineering and Architecture Faculty, Istanbul Gelisim Uni., 2016-Present

8. Önemli Yayınlar (İlk 5 Adet):

- a. Bayram Mustafa, Buyukoz Orucova Gulsen, Partal Tugcem (2018). Parameter estimation in a Black Scholes. Thermal Science, 2018. <https://doi.org/10.2298/TSCI170915277B>.

- b.** Mustafa Bayram, Tugcem Partal and Gulsen Orucova Buyukoz (2018). Numerical methods for simulation of stochastic differential equations. *Advances in Difference Equations* 2018, <https://doi.org/10.1186/s13662-018-1466-5>.
- c.** Hasan Dalman and Mustafa Bayram “Interactive Fuzzy Goal Programming Based on Taylor Series to Solve Multiobjective Nonlinear Programming Problems with Interval Type 2 Fuzzy Numbers”. *Mineralogical Magazine*, Vol. 73(2), pp. 165–175, 2018
- d.** Bayram Mustafa, Hatipoglu Veysel Fuat, Alkan Sertan, Das Sebahat Ebru (2017). A solution method for integro-differential equations of conformable fractional derivative. *Thermal Science*, <https://doi.org/10.2298/TSCII70624266B>.
- e.** Mustafa Bayram, Aydin Secer and Hakan Adiguzel (2017). Oscillatory behavior of solutions of differential equations with fractional order. *Applied Mathematics & Information Sciences* 2017, 11 (3), 683-691, DOI:10.18576/amis/110307.
- f.** Hasan Dalman and Mustafa Bayram (2017). Interactive Fuzzy Goal Programming Based on Taylor Series to Solve Multiobjective Nonlinear Programming Problems with Interval Type 2 Fuzzy Numbers. *IEEE Transactions on Fuzzy Systems* 2017.
- g.** Törnük, F., Yilmaz, M. T., Öztürk, İ., Sagdic, O., Arıcı, M., Durak, M. Z., & Bayram, M. (2016). Multiple response optimization of effect of thyme essential oil against *Listeria monocytogenes* in ground meat at different times and temperatures. *Medycyna Weterynaryjna. Medycyna Weterynaryjna (Med. Weter.)* 2016, 72 (7), 435-447, DOI: 10.21521/mw.5533.
- h.** Yacine Halima and Mustafa Bayram, On the solutions of a higher-order difference equation in terms of generalized Fibonacci sequences , *Math. Meth. Appl. Sci.* 2016, 39 2974-2982; DOI 10.1002/mma.3745.

9. En yeni mesleki gelişim aktiviteleri:

- a.** Optimization and modeling of some physical properties of complex and non-linear food systems using response surface methodology and fuzzy logic inference system and development of descriptive mathematical simulation methods, BAP, October 2012 / October 2014, Completed.
- b.** Optimization and modeling of steady state, dynamic shear and creep-recovery properties of non-linear food systems using response surface methodology and development of descriptive mathematical simulation functions. BAP, October 2012 / October 2014, Completed.
- c.** Sıvı temizlik ve kozmetik ürünlerinde kullanıma uygun sles formülasyonu ve üretim sürecinin geliştirilmesi, TUBITAK, December 2012 / December 2013, Completed.
- d.** Applied mathematics and Biostatistics researcs, including all types of Mathematics and Statistics analyses applicable to life sciences data, EU, September 2007 / January 201, Completed.
- e.** Use of Computer in Education, BAP, September 2002 / September 2004, Completed.
- f.** Use of Computer Algebra technics in Enzymes, BAP, September 1997 / September 1998, Completed.
- g.** Application of Computer Algebra Technics to the Enzymes Kinetics, BAP, September 1994 / September 1996,Completed.