

**ANTALYA BİLİM UNIVERSITY**

INDUSTRIAL ENGINEERING

FACULTY MEMBERS

SHORT BIOS

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| **Sevgi ÅENGÃL AYANSevgi Şengül Ayan** received her BS degree in Mathematics (2005, Dokuz Eylül University), her MS degrees in Mathematics and Computer Science (2010, Western Kentucky University), and her PhD degree in Mathematics/Biomathematics (2014, Florida State University). She is currently an assistant professor in the Department of Industrial Engineering at Antalya Bilim University where she leads research activities in the field of Biomathematics specifically on Computational Neuroscience. Dr. Şengül is an author and coauthor of journal papers with more than 200 citations. She is currently establishing the Computational Electrophysiology Laboratory at Antalya Bilim University by TÜBİTAK 3501 project. Her research interests include modeling electrically excitable cells including neurons, cardiomyocytes and pancreatic B-cells and dynamical system analysis. **Email: sevgi.sengul@antalya.edu.tr** |
| **D:\Users\sulgen\Pictures\MY PORTRES\WhatsApp Image 2019-04-27 at 9.30.15 PM.jpeg Assoc. Prof.  Semail Ülgen** is the chair of Industrial Engineering Department at Antalya Bilim University where she has been on the faculty since 2012. She received  Ph.D. degree in Mathematics at **Purdue University** in 2005, and B.S. degree at **Bilkent University** in 1995. In years 2004-2006 she was at **University of Mississippi**, Oxford, MS as an assistant professor. Then she worked at Grand Valley State University, Allendale, MI, as an assistant professor for one year in 2006 and later she worked as an assistant professor at **Northwestern University** for three years starting in 2007. She held visiting assistant professor position at **Indiana University, Bloomington**, IN as an assistant professor for one year in 2011-1012. Dr. Ülgen was a recipient of the ***Young Scientist Award for Turkish American Scientists and Scholars Association*** (USA) in 2006. Her research interests are Finsler Geometry; Noncommutative Geometry, Applications to Mathematical Physics. She is also building research interest in stochastic processes and its applications. She was a researcher in ***TUBITAK 1001*** (the Scientific and Technological Research Council of Turkey) research project (***#113F311, Title: Einstein metrics in Finsler Geometry)*** for two years in 2014. She served as the adviser for the ***Survey Development and Implementation ATSO Pilot Project for Determining the Industrial 4.0 Status of Companies in Antalya*** in 2017. She was the academic adviser of the ***TUBITAK Efficiency Challenge Electric Vehicle Competition*** for mainly engineering undergraduate students during the years 2016, 2017, and 2020 organized by TUBITAK.  Her team built two electric cars (got 25th in the competitions) and attended the competitions. **Email:** **sulgen@antalya.edu.tr** |
| cid:51220D72-9897-43E8-8BE3-965E22EC0BD5**Ali Cem Başarır** received his B.S. degree in Electrical and Electronics Engineering from the Military Academy, Ankara, Turkey in 1993. After graduation he started to work in EW and SIGINT Projects and Operations in Defence. While he was working in defence he received his MSc. degree in Information Systems, Informatics Institute, Middle East Technical University, Ankara, Turkey in 2001. He had taken part in NATO Operations in Former Yugoslavia (SFOR), Northern Iraq and Afghanistan (IFOR). After these tough experiences, he earned PhD. degree in Technology Management, Defence Institute, Military Academy in 2009. He contributed and led many large scale defence projects. He retired in 2013 from the Military with two NATO Medals and many awards. He achieved a grant with an innovational business model in Healthcare. He led the founding of a university as founding General Secretary and Rector Adviser in 2013-2016. He was consultant to many organizations in technology management, R & D and Innovation Management fields. He designed an Ecosystem Model for a newly establishing Techno-Park in Antalya. Currently he is now developing models and methodologies for transformation to Industry 4.0 and Digitalization fields for organizations and Defence Industry. He is also consultant to Antalya Chamber of Commerce, Technopark Istanbul and UBM EMEA. **Email: alicem.basarir@antalya.edu.tr** |
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| **Hakan ÅÄ°MÅEKHakan Şimşek** received his BS degree in mathematics (2008, Akdeniz University), his MS degree in mathematics-fuzzy logic and topology (2010, Akdeniz University), and his PhD degree in mathematics-differential geometry (Lorentz geometry) (April, 2016, Akdeniz University). He is currently an assistant professor in the Department of Industrial Engineering at Antalya Bilim University since October, 2016. Dr. Şimşek is an author and coauthor of 11 journal papers (nine of them are indexed by SCI). His research areas are focal surfaces, singularity theory, Riemann and Finsler manifolds, Lorentz geometry, Fuzzy logic, fuzzy topology, Euclidean and Lorentzian motions, Adaptive neuro fuzzy inference systems (ANFIS) and so on. For example, he investigated rotation matrices that correspond to motion of a point (or object) on hyperboloids and light cone in three dimensional spaces whose spheres are hyperboloids and light cones. He was adviser of the Unmanned Aerial Vehicle (UAV) competition-2018 between undergraduate students, organized by the Scientific and Technological Research Council of Turkey (TUBITAK). He was a scholarship PhD student in research project (whose tittle is Einstein metrics in Finsler Geometry) supported by TUBITAK 1001 program. **Email: hakan.simsek@antalya.edu.tr** |
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| **Nimetullah Burnak** is a professor of Industrial Engineering. He received his B. Sc. degree in Mathematics from Middle East Technical University in April 1978, and the Ph. D. degree in Business Management from Anadolu University in 1986. From 1979-1993 he worked as research assistant, assistant professor, and associate professor in Industrial Engineering Department (IE Dept.) at Anadolu University. He conducted his post-doctorate studies at Drexel University, Philadelphia, USA, for six months in 1989. (Eskişehir) Osmangazi University (ESOGU) was established by separating some faculties from Anadolu University at August 1993, and he joined IE Dept. at ESOGU. He was appointed as a professor in IE Dept. at 1996. He worked at ESOGU as department chair, member of university senate, member of board, director of [Institute of Science and Technology](http://fbe.ogu.edu.tr/) and many other boards. He was retired at November 2019 from ESOGU, and joined as part-time faculty member to IE Dept. in Feb. 2020 at Antalya Bilim University. His research interests covers such as statistics, total quality management, production and service systems. He completed many projects at public and private sectors as a team member and/or project director; a few examples are as follows: KORDSA: Statistical Process Control, TEI (Eskişehir) Statistical Techniques-Six Sigma Education, KOSGEB: (Many cities as consultant) Introduction To Quality Assurance Systems-ISO 9000. He consulted many M.Sc. and Ph. D. theses. He teaches undergraduate and gradute courses on statistics, statistical quality control, design of experiment, acceptance sampling, total quality management. He also conducted graduate theses together with graduation students applied to industrial problems in many companies. He is also pursuing new research/application projects on quality related topics, and is willing to share his experience with the students. **Email: nimetullah.burnak@antalya.edu.tr** |
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