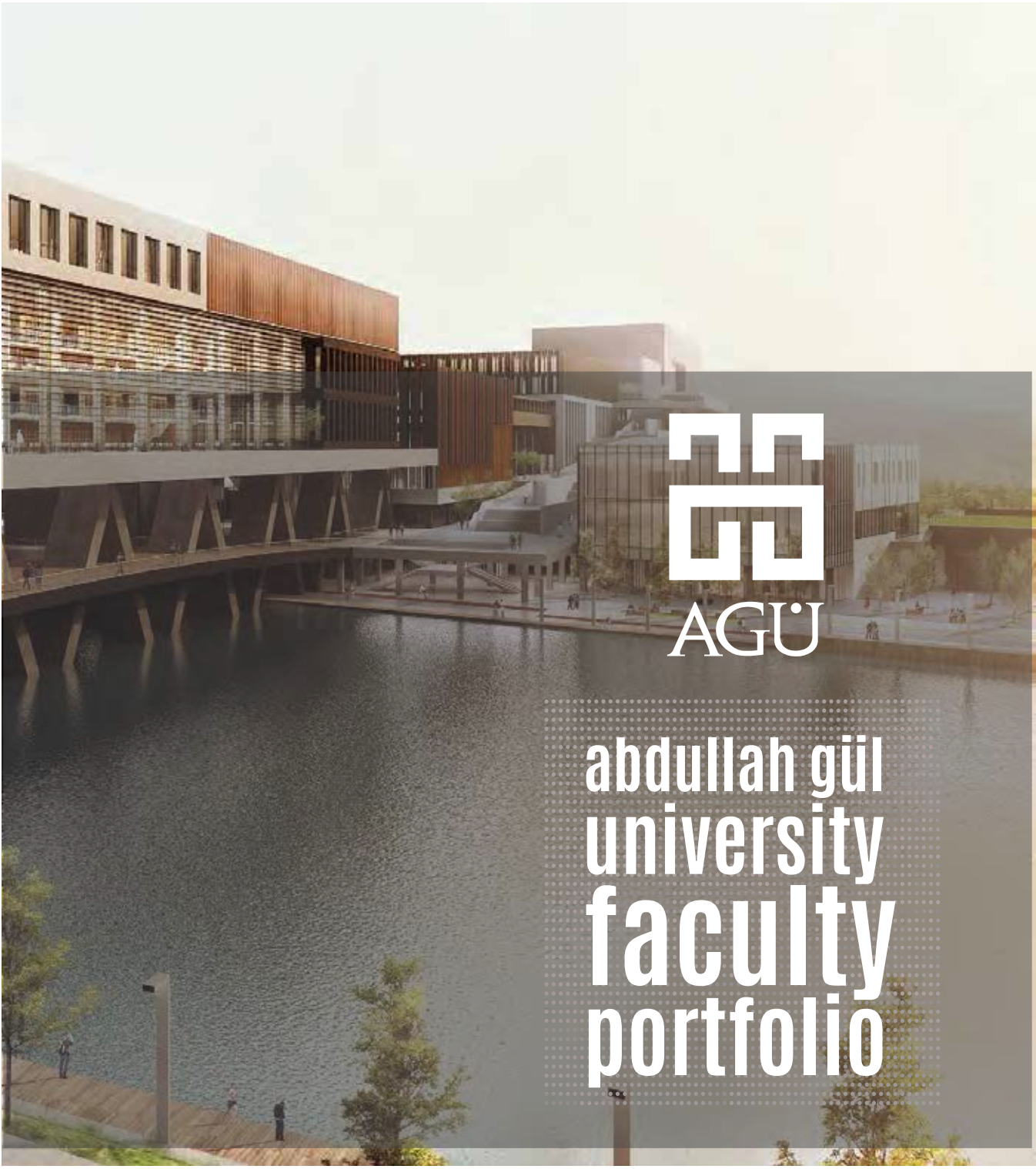


AGÜ

abdullah gül university faculty portfolio

AGU
FACULTY PORTFOLIO

ABDULLAH GÜL UNIVERSITY (AGU)

AGU is a young, dynamic top-quality Turkish University, which aims to produce Graduates who can shape the future, equipped with the best skills for today's globalized society.

AGU is the first State University in Turkey with legal provision for support by a philanthropic foundation, solely dedicated to the University and its objectives.

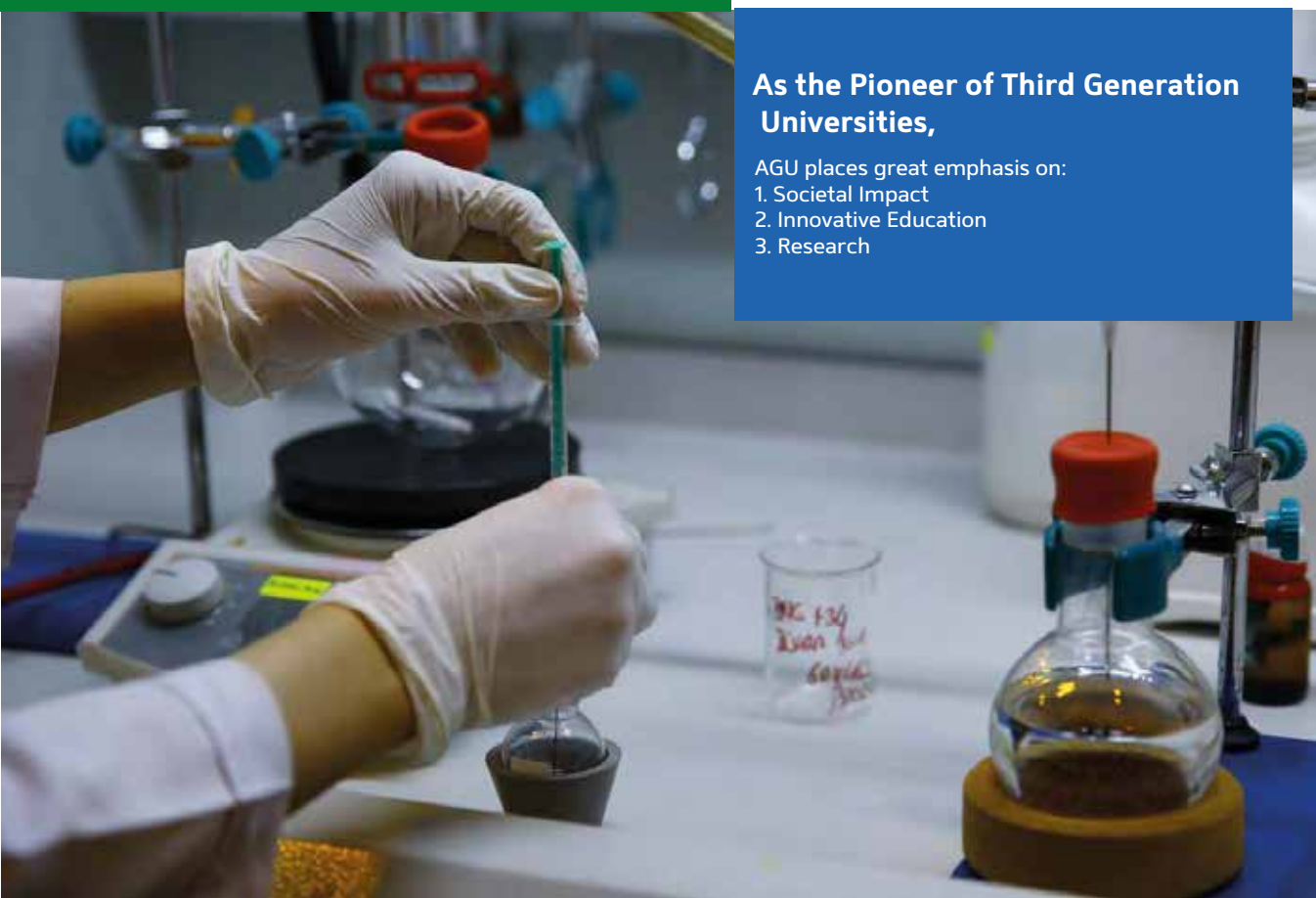
Blended University Functions:

While Societal Impact, Education and Research are often considered separately, AGU sets out to design the multiplicative rather than additive effect of these three interactive elements. By breaking down the walls between disciplines, the opportunity arises for real world subjects to become the work in the University's programs.

"AGU is an Entrepreneurial Research University that Embraces Solution-Seeking for Global Challenges."

AGU aims to:

- Become a Leader in Creativity and Innovation
- Generate Contemporary Multidisciplinary Learning and Knowledge
- Develop High Quality Projects integrating Research with Global Needs



As the Pioneer of Third Generation Universities,

AGU places great emphasis on:
1. Societal Impact
2. Innovative Education
3. Research

MESSAGE FROM THE RECTOR

AGU is a research-oriented University embracing multi-disciplinary research and innovative approaches to meet global challenges and, to date, ranked among the best Turkish Universities in terms of research performance. All our Programs are offered in English and students are taught in a multicultural environment promoting social awareness and inclusion for all, by renowned professors with international experience. As part of our hands-on training approach, they systematically have the opportunity to apply their newly acquired knowledge within the frame of research projects.

With this in mind; we, at AGU, look forward to broadening our and our Students' horizons through the creation of strong international collaborations and partnerships and welcome the opportunity to work with you for the benefit of higher education.

Prof. Dr. İhsan Sabuncuoğlu
Rector

KEY FACTS ABOUT AGU

EDUCATION

• 100% English taught courses
• All AGU Undergraduate Programs are ranked in the Top 5-10 nationally
• 6:1 Student/Academician ratio
• 90% of students completed a 2 month-English program in the USA
• Faculty with International Experience (20% Foreign Teaching Staff - over 20 nationalities)
• Individual Academic and Career Counseling
• Core Curriculum, Hands-on Training and Transdisciplinary Approach
• Internship Programs at national and international levels

AGU's ENVIRONMENT

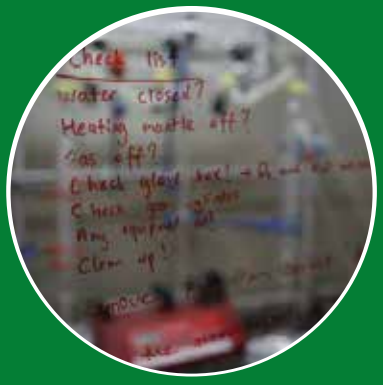
TWO CAMPUSES

AGU's Campuses are equipped with brand new cutting-edge Facilities and Equipment.

• Sümer Campus: 280.000 m2 green campus in the city center
• Mimar Sinan Campus: 3 km2 currently being built on the city's outskirts

KAYSERI

• 1.3 M inhabitants (50.000 University students)
• A silk-road city with historical importance
• A touristic platform: Cappadocia, Ski Resort on Mount Erciyes
• The industrial and entrepreneurial heart of Turkey
• Connected to all major Turkish metropolises



RESEARCH

• Research programs aiming to support the economic, technological and social development of society
• Interdisciplinary research projects receiving support from various industrial and public Institutions such as TÜBİTAK (The Scientific and Technological Research Council of Turkey), the European Union and the World Bank
• Ranked in the top 15 in the "Innovative and Entrepreneurial University Index" (Turkish Technology and Science Foundation)
• 34 citations and 1,53 scientific papers published in international indexed journals per faculty member (2014); among the best in Turkey
• 1:1 Student-to-Faculty ratio in research programs
• 11 Outstanding Young Scientist Awards or Excellence Awards received by AGU Faculty members since 2013
• Cutting-Edge Research Areas and Facilities

SOCIETAL IMPACT

• Scientific contribution to society and dissemination of knowledge through research and publications
• Transformation of scientific research into commercial value through patenting and licensing
• 80% of students taking part in local and international volunteering projects
• Creation of unique Centers solely focused on the implementation of the University's Societal Impact objectives (Youth Factory, Children's University, AGU Academy, etc.)
• Partnerships with many NGOs and participation in local development projects
• Promotion and use of Non-formal Education methods
• Youth Counseling and Development
• Curricula designed to tackle global issues with real-life case studies

FACULTIES & RESEARCH AREAS

UNDERGRADUATE

Faculty of Engineering
- Civil Engineering
- Electrical and Electronics Engineering
- Industrial Engineering
- Mechanical Engineering
- Computer Engineering

Faculty of Architecture
- Architecture

Faculty of Leadership and Management
- Business Administration

GRADUATE

Advanced Materials and Nanotechnology (M.Sc.)
Materials Science and Mechanical Engineering (Ph.D.)

Research Areas
- Materials for energy storage and conversion
- Functional nanomaterials, nanostructures and thin-films
- Theoretical and computational materials science and engineering
- Biomaterials for drug/gene delivery and tissue regeneration
- Optoelectronic devices
- Ceramic composite membranes
- Modern food technologies

Bioengineering (M.Sc.)

Research Areas
- Cancer molecular biology
- Medical imaging
- Human genetic disorders
- Drug delivery
- Natural products and their anticancer potentials
- Bioinformatics
- Biomicro-nano technology
- Tissue engineering

Electrical and Computer Engineering (Ph.D., M.Sc.)
Research Areas
- Information and communications technology
- Power systems engineering
- Optics & photonics
- Biomedical and bioinformatics
- Nanotechnology
- Control and automation

Industrial Engineering (Ph.D., M.Sc.)
Research Areas
- Sustainability
- Disaster management
- Healthcare systems
- Energy systems
- Logistics & supply chain management
- Critical infrastructure planning
- Manufacturing
- Smart grids

RESEARCH INFRASTRUCTURE

- General Lab
- Analysis Lab
- Brain/Nerve Lab
- Engineering Lab
- Biomedical Signal and Image Processing Lab
- Tissue Culture Lab
- Material Synthesis Lab
- Material Characterization Lab
- Microbiology and Genetics Lab
- High Performance Computing Lab
- High Quality and rich Library

AWARDS

The academic achievements of the AGU faculty are evident in the scientific awards they have received since the University's foundation.

2013

- Assoc. Prof. V. Çağrı Güngör, Ph.D., TÜBA (Turkish Academy of Sciences) Outstanding Young Scientist Award
- Assoc. Prof. Zübeyir Çınkır, Ph.D., TÜBİTAK (The Scientific and Technological Research Council of Turkey) Incentive Award
- Assist. Prof. Hümeyra Çağlayan, Ph.D., TÜBA (Turkish Academy of Sciences) Outstanding Young Scientist Award

2014

- Prof. Yusuf Baran, Ph.D., Science Heroes Association Young Scientist of the Year Award, FABED (Feyzi Akkaya Fund for Supporting Scientific Activities) Eser Tümen Excellence Award
- Assoc. Prof. Hakan Usta, Ph.D., BAGEP (The Science Academy Young Scientists Award Program) Outstanding Young Scientist Award
- Assist. Prof. Evren Mutlugün, Ph.D., FABED Eser Tü- men Excellence Award, BAGEP (The Science Acad- emy Young Scientists Award Program) Outstanding Young Scientist Award
- Assist. Prof. Ahmet Erdem Tozoğlu, Ph.D., METU (Middle East Technical University) Graduate School of Social Sciences Doctoral Dissertation of the Year

2015

- Prof. Yusuf Baran, Ph.D., Dr. Nejat F. Eczacıbaşı Medical Science Award
- Assoc. Prof. Zübeyir Çınkır, Ph.D., Sedat Simavi Award
- Assoc. Prof. Hakan Usta, Ph.D., TÜBA (Turkish Academy of Sciences) Outstanding Young Scientist Award
- Assist. Prof. Hümeyra Çağlayan, Ph.D., L'Oréal & UNESCO Turkey National Women in Science Award

UNIVERSITY-INDUSTRY COOPERATION

All AGU students acquire project based real life experience by working at prominent companies in inter- and transdisciplinary teams, contributing to product and process design. Some of AGU University-Industry cooperation projects include:

- Damage inspection on buildings and bridges via wireless receivers (Supporting Institutions: Turk- cell and TÜBİTAK – The Scientific and Techno- logical Research Council of Turkey)

- Plasma Technologies - Thrust Engines (Supporting Institutions: TSK – Turkish Armed Forces, MSB – Turkish Ministry of Defense and Roketsan)

- Color Enrichment in Liquid Crystal Displays (Supporting Institutions: Arçelik and TÜBİTAK – The Scientific and Technological Research Council of Turkey)
- 5th generation (5G) Wireless Communication (Supporting Institutions: Avea and the European Union)

- Detection of Electrical Energy Leakage (sup- porting Institutions: Alcatel-Lucent and TÜBİTAK – The Scientific and Technological Research Council of Turkey)

- Cyber-attack Detection on Web Networks (Sup- porting Institutions: TurkNet and TÜBİTAK – The Scientific and Technological Research Council of Turkey)

BULENT YILMAZ, Associate Professor
Ph.D., Bioengineering, University of Utah, USA, 2004
bulent.yilmaz@agu.edu.tr

Research interests:
Biomedical signal and image processing, neurosignal analysis, brain-computer interfaces, computational cardiac electrophysiology.

Short bio:
Dr. Bülent Yılmaz received the B.Sc. and M.Sc. degrees in Electrical-Electronics Engineering from the Middle East Technical University in 1997 and 1999, respectively. He acquired his Ph.D. in Bioengineering Department of the University of Utah, Salt Lake City, Utah. Prior to joining Abdullah Gül University's Department of Electrical-Electronics Engineering he worked at the Biomedical Engineering Department of Başkent University, Ankara, and Electrical-Electronics Engineering Department of Zirve University, Gaziantep. His current research interests are biomedical signal and image processing applications on brain-computer interfaces, neurofeedback, neuromarketing, texture analysis on PET/CT images for cancer evaluation, endoscopic image processing for guiding biopsy sites for stomach cancers, and microscopic image processing for cell detection and counting for MRD monitoring. He participated in four projects as the principle investigator and co-PI. He served as the panelist and referee for many academic or industry projects. He published 20 refereed journal papers and 40 national and international conference proceedings.

Selected awards:
- Suphi Artunkal Best Paper Award at the 26th National Nuclear Medicine Congress, Antalya, April, 2014
-TÜBİTAK National Biomedical Equipment Project Calls Advisory Board Coordinator & Member 2013-continuing
- The Whitaker Foundation fellowship for the graduate study (2000-2004)

Selected publications:
- **B. Yılmaz,** S. Korkmaz, D.B. Arslan, E. Güngör, M.H. Asyalı "Like/Dislike Analysis Using EEG …", Computer Methods and Programs in Biomedicine, 113(2), 705-713 (2014).
- **B. Yılmaz,** E. Çiftçi "An FDTD-Based Computer Simulation Platform … Lithotripsy", Computer Methods and Programs in Biomedicine, 110, 389-398 (2013).
- **B. Yılmaz,** M. H. Asyalı, E. Arıkan, S. Yetkin, F. Özgen, "Sleep stage … using single-lead ECG", BioMedical Engineering Online, 9:39 (2010).

AHMET ONEN, Assistant Professor
Ph.D., Electric-Computer Engineering, Virginia Tech, USA, 2014.
ahmet.onen@agu.edu.tr

Research interests:

Smart Grid Implementation and its Economy, Storm Restoration, Coordinated Control, Conversation Voltage Reduction (CVR), System Reconfiguration and Capital Deferral, Time-Varying Phase Balancing and Capacitor Design Distributed Series Reactance (DSR), Micro-Grid and Energy.

Short bio:

Dr. Onen received the B.Sc. degree in Electrical-Electronics Engineering from Gaziantep University in 2005. He received the M.S degree in Electrical-Computer Engineering from Clemson University in 2010 and his Ph.D. from Virginia Tech – Electrical and Computer Engineering Department in 2014. Prior to joining Abdullah Gül University as a faculty of Electrical-Electronics Engineering in 2014, He was a member of DEW software developing team for power systems planning and operation. During the time he was a member of DEW software developing, he had close relationship with distribution companies in New York and developed smart grid solutions for their system and consulted the biggest utilities in USA for advancing their grid with the technologies he developed the during his PhD. His research interests are distribution system reliability, storm outage and reconfiguration, Distributed Series Reactance (DSR), Renewable Energy Integration to Grid, Smart Grid optimization, control, economic analysis and micro-grid. He has more than 16 SCI journals including high rank journals and 11 international conferences in last three years.

Selected awards:

- The best paper award, IEEE PES General meeting 2012.
- ERANET Project (3D Micro Grid) is funded by FP 7, December 2015.

Selected publications:

- **Ahmet Onen,** D.Cheng, R. Arghandeh, J. Jung, J. Woyak, M. Dilek, R. Broadwater, "Smart Model-based coordinated control based on feeder losses, energy consumption, and voltage violations," Electric power system component and system, vol. 41, issue 16, pages 1686-1696, August, 2013.
- **Ahmet Onen,** Jeremy Woyak, Reza Arghandeh, Jaesung Jung, Charlie Scirbona, and Robert P. Broadwater, "Time-varying Cost of Loss Evaluation in Distribution Networks Using Market Marginal Price," International Journal of Electrical Power and Energy Systems, Elsevier, vol. 62, pages 712-717, June, 2014.
- **Ahmet Onen,** Danling Cheng, Robert P. Broadwater, Charlie Scirbona, George Cocks, Stephanie Hamilton, Xiaoyu Wang, Jeffrey Roark "Economic Evaluation of Distribution System Smart Grid Investments," Electric power system component and system, vol. 41, issue 16, pages 1686-1696, January 2015.

BEKIR HAKAN AKSEBZECI, Assistant Professor
Ph.D., Electrical and Electronics Engineering,
Erciyes University,Turkey, 2011
hakan.aksebzeci@agu.edu.tr

Research interests:
Biomedical pattern recognition, machine-learning algorithms, Bioinformatics.

Short bio:
Bekir Hakan Aksebzeci received BS and MS degrees in Electrical and Electronics Engineering from Niğde University in 2001 and 2005, respectively. Later, he earned a PhD degree in Electrical and Electronics Engineering from Erciyes University in 2011. He worked at Erciyes University as a Research Assistant until, in 2012. Afterward, he joined Abdullah Gül University, where he currently is an Assistant Professor of Biomedical Engineering. His research interests are machine-learning applications in biomedical field and bioinformatics.

Selected publications:
- Kayaaltı Ö., **Aksebzeci B. H.**, Karahan İ. Ö., Deniz K., Öztürk M., Yılmaz B., Kara S., Asyalı M. H., Applied Soft Computing, Vol.25, p. 399-413, (2014).
- Asyalı M. H., Yılmaz M., Tokmakçı M., Sedef K., **Aksebzeci B. H.,** Mittal R., Turkish Journal of Electrical Engineering & Computer Sciences, Vol.19, No.1, p. 33-46, (2011).
- **Aksebzeci B. H.,** Asyalı M. H., Kahraman Y., Er Ö., Kaya E., Özbilge H., Kara S., BioMedical Engineering OnLine, 9:77, (2010).

DOOYOUNG HAH, Assistant Professor
Ph.D., Electrical Engineering, KAIST, Korea, 2000
dooyoung.hah@agu.edu.tr

Research interests:
M/NEMS, optical microsystems, integrated photonics, biomedical imaging devices, RF MEMS, micro-sensors, micro-actuators, nanophotonics, silicon photonics, micro-/nano-fabrication, surface-enhanced Raman spectroscopy, molecular imaging, nanocomposite materials, energy harvesting devices.

Short bio:
Dr. Hah received his BS, MS and PhD degrees in Electrical Engineering from Korea Advanced Institute of Science and Technology (KAIST) in 1994, 1996, and 2000, respectively. Prior to joining Abdullah Gül University's Department of Electrical and Electronics Engineering, he worked at Louisiana State University (LSU) as an assistant professor, and at University of California at Los Angeles (UCLA) and Electronics and Telecommunications Research Institute (ETRI) as a research staff. His research focuses on M/NEMS, biomedical imaging devices, integrated photonics, novel photovoltaic devices, sensors, and RF MEMS. While working at LSU, he was awarded two National Institutes of Health (NIH) grants. He was the third place winner of the student paper competition at 2000 IEEE International Microwave Symposium. Dr. Hah has authored and co-authored 23 SCI journal publications and over 40 conference papers. He holds 8 patents.

Selected awards:
- Student paper competition, third place, 2000 IEEE MTT-S International Microwave Symposium, Boston, USA, 2000.

Selected publications:
- **D. Hah,** Microsyst. Technol., in press, published online (2015). doi: 10.1007/s00542-015-2736-8
- J. Kim, K.-N. Kang, A. Sarkar, P. Malempati, **D. Hah,** T. Daniels-Race, and M. Feldman, J. Vac. Sci. Technol., 31, 06FE02 (2013).
- **D. Hah,** J. Bordelon, and D. Zhang, Applied Optics, 50, 4320-4327 (2011).

EVREN MUTLUGUN, Assistant Professor
Ph.D., Physics, Bilkent University, Turkey, 2012
evren.mutlugun@agu.edu.tr

Research interests:
Semiconductor quantum dots, metal nanoparticles, nanocomposites, organic light emitting diodes, photovoltaics, excitonic-plasmonic nanostructures and light harvesting applications.

Short bio:
Dr. Evren Mutlugün received the B.Sc. degree in Physics from Middle East Technical University in 2005. He got his M.Sc. and Ph.D. degrees, both from Bilkent University Physics Department in 2007 and 2012 respectively. Prior to joining Abdullah Gül University as a faculty of Electrical-Electronics Engineering in 2014, he worked as a National Research Foundation Competitive Research Programme (NRF-CRP) research fellow at Nanyang Technological University, Singapore between 2012 and 2014. His research focuses on the colloidal quantum dot based exciton-harvesting systems for novel optoelectronic applications. The 2010 SPIE (International Society for Optics and Photonics) Graduate Scholarship Award, 2014 BAGEP Science Academy Young Scientist Award of Turkey and Feyzi Akkaya Young Scientist Award (FABED 2014) are amongst his awards. He has co-authored numerous conference papers and more than 35 SCI journals including high rank journals such as Nano Letters, Advanced Materials, Nano Today, ACS Nano, Nanoscale, and Small.

Selected awards:
- The Science Academy Young Scientist Award, BAGEP 2014, Turkey.
- Feyzi Akkaya Scientific Activities Support Fund- Eser Tümen Outstanding Young Scientist Award, FABED 2014, Turkey.
- SPIE Graduate Scholarship Award, 2014.

Selected publications:
- X. Yang, **E. Mutlugun**, C. Dang, K. Dev, Y. Gao, S. T. Tan, X. W. Sun and H. V. Demir, ACS Nano, 8, 8224 (2014).
- **E. Mutlugun**, B. Guzelturk, A. A. Abiyasa, Y. Gao, X. W. Sun and H. V. Demir, J. Phys. Chem. Lett., 5, 2802 (2014).
- **E. Mutlugun**, P. L. Hernandez-Martinez, C. Eroğlu, Y. Coşkun, T. Erdem, V. K. Sharma, E. Ünal, S. K. Panda, S. G. Hickey, N. Gaponik, A. Eychmuller and H. V. Demir, Nano Letters, 12, 3986 (2012).

GUNYAZ ABLAY, Assistant Professor
Ph.D., Nuclear Engineering , The Ohio State University, USA, 2012
gunyaz.ablay@agu.edu.tr

Research interests:
Control theory and its applications, chaos theory and applications, embedded systems, nuclear energy technologies.

Short bio:
I am an assistant professor at Abdullah Gül University. I received my Ph.D. and M.S. degrees in nuclear engineering from the Ohio State University, and M.S. and B.S. degrees in electrical engineering from Fırat University. I got scholarships from Oak Ridge and Idaho National Laboratories for professional development in modeling, experimentation and validation. My other work experiences include working as an electrical engineer and technical personnel at different institutions of the Turkey Ministry of Justice. My research areas are on control theory and its applications, sliding mode control, chaos and its applications, embedded control and nuclear energy technologies. I am a member of The Institute of Electrical and Electronics Engineers (IEEE) and IEEE Control Systems Society (CSS).

Selected awards:
- Research Scholarship for the Oak Ridge National Laboratory (ORNL) Modeling, Experimentation, and Validation (MEV) Summer School, 2012.
- Research Scholarship for the Idaho National Laboratory (INL) Advanced Test Reactor National Scientific User Facility (ATR NSUF) User's Week, 2012.
- Graduate Research Award, Nuclear Engineering Program, Ohio State University, 2011.
- American Nuclear Society Alpha Nu Sigma Honor Society, Nuclear Engineering Program, Ohio State University, 2010.

Selected publications:
- **G. Ablay,** "Variable structure controllers for unstable processes," Journal of Process Control, vol. 32, pp. 10-15, 2015.
- **G. Ablay,** "Novel chaotic delay systems and electronic circuit solutions," Nonlinear Dynamics, vol. 81(4), pp. 1795-1804, 2015.
- **G. Ablay,** " Coefficient ratios based robust sliding surface and integral sliding mode control designs with optimal transient responses", IET Control Theory and Applications, vol. 8(17), pp. 1896-1904, 2014.

IBRAHIM TUNA OZDUR, Associate Professor
Ph.D., Optics, Univ.of Central Florida, CREOL, 2011
ibrahim.ozdur@agu.edu.tr

Research interests:

Laser systems, optical communication, microwave photonics, LIDAR technologies, optical signal processing.

Short bio:

Ibrahim T. Ozdur is the Associate Professor of Electrical and Electronics Engineering at the Abdullah Gul University. Prior to this, he was a Senior Research Scientist at Applied Communication Sciences (formerly Bell Communications Research), where he concentrated his efforts on quantum communication, LIDAR and optical networking. Some of his technical accomplishments were the development of the world's lowest phase noise 10 GHz mode-locked laser, the demonstration of the first etalon based opto-electronic oscillator and the design of an optical amplifier for space multiplexed signals. He has published ~70 articles in refereed journals and conference proceedings, has been awarded/applied 5 U.S. Patents.

Selected awards:

- Awarded full-fellowship and assistantships towards graduate studies by CREOL- University of Central Florida (2005).
- Awarded US patents: US 8717657 and US 8521037

Selected publications:

- **I. Ozdur**, Paul Toliver, Ted Woodward, "Photonic lantern based coherent LIDAR system", Optics Express, vol 24, No: 4, 2015.
- P. J. Delfyett, **I. Ozdur**, J. Davila-Rodriguez, N. Hoghooghi, M. Akbulut, S. Bhooplapur,"Advanced Ultrafast Technologies based on Optical Frequency Combs", Journal of Selected Topics in Quantum Electronics, IEEE, Volume: 18 , Issue: 1, Page(s): 258 – 274 (2012).
- **I. Ozdur,** M. Akbulut, N. Hoghooghi, D. Mandridis, S. Ozharar, F. Quinlan, and P. J. Delfyett," A semiconductor based 10-GHz optical comb source with 3 fs integrated timing jitter (1Hz-100MHz) and ~500 Hz comb linewidth" Photonic Technology Letters Vol. 22, No. 6, March 15, 2010.

IRFAN ALAN, Professor
Ph.D., Electrical Engineering, University of Wisconsin
Madison, USA, 1993
İrfan.alan@agu.edu.tr

Research interests:
Electrical Machine Drives, Power Electronic Converters, Induction Heating, Switched Mode Power Supplies, Hall Effect Plasma Sattelite Thruster Systems, Electrical Vehicle Battery Charging Systems, Inductive Charging, Energy Storage.

Short bio:
Dr. ALAN was born in Istanbul in 1962, is married and has 3 children. His B.Sc. and M.Sc. degrees are from Istanbul Technical University in Electrical Enginering, in 1983 and 1986 respectively. His Ph.D. degree is from University of Wisconsin-Madison in Electrical Engineering in 1993. He carried out his Ph.D. and post doc studies at WEMPEC Consortium. He has submitted 4 different project final reports to NASA for various projects. He worked at Ege University for 16 years in the EEE Department in various capacities. He taught many undergraduate and graduate level courses. He has supervised many M.Sc. and Ph.D. students. He has served either as a project coordinator, or a manager, or a principal investigator in various international and national projects. He has many international and national scientific journal papers, conference papers. He has been either a project referee or an auditor for many nationally funded projects. He has served as an editor, co-editor or referee for many international and national journals or conference papers. He holds a patent, has a patent application, and a beneficial model application. He was assigned as a Vice Rector to AGU (Abdullah Gul University) in 2011. He then served as an Interim Rector at AGU for 6 months. He is still a Vice Rector at AGU responsible for Administrative and Financial Affairs serving the university in many different capacities.

Selected awards:
- Ministry of Education Ph.D. Scholarship for Overseas.
- Turkish Education Foundation Scholarship for Undergrad Studies.

Selected publications:
- O. Akin, I. Başaran, R. Sokullu, **I. Alan**, K. Buyukkabasakal, "FPGA Based Wireless Multi-Node Transceiver and Monitoring System", Journal of Mathematics and System Science 2, pp. 53-57 (2012).
- O. Akin, **I. Alan,** "The use of FPGA in Field-Oriented Control of an Induction Machine", Turk J Elec Eng & Comp Sci, Vol.18, No.6, pp: 943-962 (2010).
- S. Goksu, **I. Alan,** "250W Flyback SMPS Design for a Big Size Color TV", IEEE Transactions on Consumer Electronics, Vol.49, No:4, pp.911-916 (2003).
- **I. Alan,** T. Lipo, "Induction Machine Based Flywheel Energy Storage System", IEEE Transactions on Aerospace and Electronic Systems, Vol.39, No.1, pp.151-163 (2003).

KUTAY ICOZ, Assistant Professor
Ph.D., Biomedical Engineering, Purdue University,USA,2010
kutay.icoz@agu.edu.tr

Research interests:

Bio-micro nano electro mechanical systems, biosensors, bio instrumentation, bio signal measurement and signal processing, metrology development, mobile health, intelligent systems, semiconductor testing and production.

Short bio:

Dr. Kutay İçöz received the B.Sc. degree in Electronics and Communication Eng. from İstanbul Technical University in 2002. He got his M.Sc. degree from Ohio State University Electrical and Electronics Engr. Department in 2004 and Ph.D. degree from Purdue University Biomedical Engr. Department in 2010. Then he joined Harvard Medical School and Massachusetts General Hospital Department of Neurosurgery as a postdoctoral research fellow. Prior to joining Abdullah Gül University as a faculty of Electrical-Electronics Engineering in 2014, he worked as a senior engineer at Intel Corporation Assembly & Test Technology Development Division between 2012 and 2014. His research focuses on novel applications of micro/nano electro mechanical systems on biology and medicine. He received Intel ATTD Department recognition award, and Fellowships from Purdue and Ohio State universities. He has co-authored journals including high rank journals such as Applied Physics Letters, Lab on a Chip, Analytical Chemistry, IEEE Sensors and Biotechnology Advances.

Selected awards:

- Intel ATTD Department Recognition Award (2013).
- Purdue University Fellowship (2005).
- Ohio State University DAGSI and ITS Fellowships (2004).
- İstanbul Technical University Ord. Prof. Bedri Karafakıoğlu Reward: the highest GPA in the department and 2nd rank in the university (2002).

Selected publications:

- Y. Alapan, **K. Icoz,** U.A. Gurkan, "Micro -and nanodevices integrated with biomolecular probes" Biotechnology Advances 2015, 09, 01, doi :10 .1016 / j.biotechadv.2015.09.01.
- **K. Icoz**, and C.A. Savran, "Nanomechanical Biosensing with Immunomagnetic Separation", Applied Physics Letters, vol. 97, 123701, 2010.
- B-D. Chan, **K. Icoz,** W. Huang, C-L. Chang and C. A. Savran, "On-demand weighing of single dry biological particles over a 5-order-of-magnitude dynamic range" Journal Article Lab Chip, 2014,14, 4188-4196, DOI: 10.1039/C4LC00765D, from themed collection Lab on a Chip 2014 HOT Articles.

SERGEY BORISENOK, Associate Professor
Ph.D., Theoretical and Mathematical Physics, St. Petersburg State University, Russia, 1996
sergey.borisenok@agu.edu.tr

Research interests:

Control in quantum physical models, nano-science, applied control theory, chaos and nonlinear dynamics, PDEs, brain dynamics, time series, quantitative EEG.

Short bio:

Dr. Sergey Borisenok received the B.Sc. and M.Sc. degrees in Physics from Department of Statistical Physics, St. Petersburg State University (Russia) in 1991 and 1993 respectively. He got Ph.D. degree from the Research Institute of Physics, St. Petersburg State University in 1996. Prior to joining Abdullah Gül University as a faculty of Electrical-Electronics Engineering in June 2014, he worked as an assistant and then associate professor at Herzen State University (St. Petersburg) between 1996 and 2010, as a foreign faculty member at Abdus Salam School of Mathematical Studies, Government College University (Lahore, Pakistan) between 2004 and 2010 and an associate professor in Istanbul Kültür University in 2010-2012. His research focuses on the application of control theory to the modeling of physical and biological processes, nonlinear dynamics, brain dynamics. He has co-authored numerous conference and journal papers including high rank journals such as Theoretical and Mathematical Physics, Journal of Chemical Physics, Journal of Differential Equations, International Journal of Psychophysiology.

Selected awards:

- Soros PhD student scholarship, Russia, 1995-1996.
- Soros associate professor, Russia, 2004.

Selected publications:

- A. Mekler, **S. Borisenok,** "EEG informational code dependence on the functional state: General trends and characteristic period", International Journal of Psychophysiology, 94, 190 (2014).
-M. H. Erkut, **S. Borisenok,** M. Çağlar, Y. Polatoğlu, Y., (2011), "Solution to n-dimensional Sturm-Liouville-like equations using multi-dimensional Schwarzian", Journal of Differential Equations, 251, 3403-3420 (2011).
- **S. Borisenok,** Yu. Rozhdestvensky, "Thermodynamical approach to sympathetic cooling of neutral particles", Journal of Chemical Physics, 134, 044109 (2011).

V. ÇAĞRI GÜNGÖR, Associate Professor
Ph.D., Electrical and Computer Engineering, Georgia Institute of Technology, USA, 2007
cagri.gungor@agu.edu.tr

Research interests:
Wireless and mobile communications, computer networks, wireless sensor networks, smart grid communications, underwater networks, cloud computing, vehicular networks, power line communications, big data, machine learning.

Short bio:
Dr. V. Çağrı Güngör received his B.S. and M.S. degrees in Electrical and Electronics Engineering from METU, Ankara, Turkey, in 2001 and 2003, respectively. He received his Ph.D. degree in Electrical and Computer Engineering from Georgia Institute of Technology, Atlanta, GA, USA, in 2007. Currently, he is an Associate Professor and Chair of Computer Engineering Department, Abdullah Gül University, Kayseri, Turkey. Dr. Gungor has authored more than fifty papers in refereed journals and international conference proceedings, has been serving as an Associate Editor in prestigious journals, such as IEEE Trans. on Industrial Electronics and Ad Hoc Networks. He is also the recipient of the IEEE Trans. on Industrial Informatics Best Paper Award in 2012, IEEE ISCN Best Paper Award in 2006, the European Union FP7 Marie Curie IRG Award in 2009, several Research Grant Awards from Turk Telekom, Turkcell, AVEA, Alcatel-Lucent from 2010 to 2015.

Selected awards:
- European Union FP7 Marie Curie Reintegration Grant Award, November 2009 – November 2013.
- Turkish National Academy of Sciences Distinguished Young Scientist Award (TUBA-GEBIP), June 2014.
- Best Paper Award from IEEE Trans. on Industrial Informatics in 2012. This paper was ranked 8th in the Top-Accessed Article List in IEEE Xplore as of 2012.
- Best Research Project Award, Turk Telekom, Istanbul, Turkey, September 2012.
- Graduate Research Fellowship with tuition remission awarded by Georgia Institute of Technology, School of Electrical and Computer Engineering, Atlanta, GA, USA, January 2004 – August 2007.

Selected publications:
- G. Tuna, **V.C. Gungor,** S.M. Potirakis, "Wireless sensor network-based communication for cooperative simultaneous localization and mapping," Computers & Electrical Engineering (Elsevier), vol. 41, pp. 407-425, Jan. 2015.
- M. Yigit, **V.C. Gungor,** G. Tuna, M. Rangoussi, E. Fadel, "Power line communication technologies for smart grid applications: A review of advances and challenges," Computer Networks (Elsevier), vol. 70, pp. 366-383, Sept. 2014.
- G.A. Shah, **V.C. Gungor,** O. B. Akan, "A Cross-Layer QoS-Aware Communication Framework in Cognitive Radio Sensor Networks for Smart Grid Applications," in IEEE Trans. on Industrial Informatics, vol. 9, no. 3, pp. 1477-1485, August 2013.

BURCU BAKIR-GÜNGÖR, Assistant Professor
Ph.D., Bioinformatics, Sabancı University, Turkey, 2012
burcu.gungor@agu.edu.tr

Research interests:

Bioinformatics, personalized medicine, computational and functional genomics, network and pathway oriented analysis of genome-wide association studies and next-generation sequencing datasets, applications of machine learning, and pattern recognition in bioinformatics.

Short bio:

Dr. Burcu Bakir-Gungor received her B.Sc. degree in Bioengineering from Sabanci University, İstanbul, Turkey; her M.Sc. degree in Bioinformatics from Georgia Institute of Technology, Atlanta, GA, USA; and her PhD degree from Sabanci University, Turkey. She worked at the Bioinformatics Research Center, Medical College of Wisconsin, Milwaukee, WI, USA, from 2007-2009. From 2009 to 2011, she worked at the Department of Computer Engineering, Bahcesehir University. Then, she worked as an Assistant Professor at the Department of Genetics and Bioinformatics, at the same university. From 2012 to 2013, she was part of the Advanced Genomics and Bioinformatics Research Center, BILGEM, TUBITAK. Currently, she works as an Assistant Professor at the Department of Computer Engineering at Abdullah Gül University. She is the recipient of "Best Paper" Award at EvoBIO 2006. Her research focuses on bioinformatics and computational genomics. Dr. Bakir-Gungor has 9 SCI-indexed journal publications.

Selected awards:

- Bioinformatics Summer School Organization, Grant # B.14.2.TBT.0.06.01.00-229-95717 of BIDEB, TUBITAK, Turkey (2013).
- Best Paper Award, 4th European Workshop on Evolutionary Computation and Machine Learning in Bioinformatics, Hungary (2006).
- Graduate Research Fellowship with tuition remission awarded by Georgia Institute of Technology, School of Biology, Atlanta, GA, USA (2004–2007).

Selected publications:

- **B. Bakir-Gungor,** E.F. Remmers, A. Meguro, N. Mizuki, D.L. Kastner, A. Gul, O.U. Sezerman, "Identification of Possible Pathogenic Pathways in Behçet's Disease Using Genome-wide Association Study Data from Two Different Populations", European Journal of Human Genetics, 23(5): 678-87, 2015.
- **B. Bakir-Gungor,** E. Egemen, O.U. Sezerman, "PANOGA: a web-server for identification of SNP targeted pathways from genome-wide association study data", Bioinformatics, 30(9): 1287-1289, 2014.
- **B. Bakir-Gungor,** O.U. Sezerman, "The Identification of Pathway Markers in Intracranial Aneurysm Using Genome-wide Association Data from Two Different Populations", PLoS ONE, 8(3): e57022, 2013.

GULAY YALCIN, Assistant Professor
Ph.D., Computer Architecture, Universitat Politecnica de Catalunya, Spain, 2014
gulay.yalcin@agu.edu.tr

Research interests:
Computer Architecture, Fault Tolerance, Parallel Architectures , Low-Power Designs.

Short bio:
Dr. Gulay Yalcin holds B.Sc degree in Computer Engineering from Hacettepe University and M.Sc. degree in Computer Engineering from TOBB University of Economics and Technology. Between 2009-2014, she pursued his Ph.D. degree in the Computer Architecture department at University Politècnica de Catalunya. During her Ph.D. studies, she also worked as a student researcher in Barcelona Supercomputing Center. Prior to joining to Abdullah Gül University as a faculty of Computer Engineering in December 2015, she continued working in Barcelona Supercomputing Center as a post-doc. Her research focuses on the highly reliable and energy-efficient fault tolerant designs in computer architecture. The 2009 FI (formación de personal investigador) research award and the 2011 HiPEAC (European Network of Excellence on High Performance and Embedded Architecture and Compilation) collaboration grant award are amongst her awards. She has co-authored numerous research papers published in journals and many top ranked conferences including SIGMETRICS, PACT, DATE and ICCD.

Selected awards:
- HiPEAC project award, 2007, Europe
- Formación de Personal Investigador (research personal) award, FI 2009, Spain
- HiPEAC collaboration grant award, 2011, Europe

Selected publications:
- Yu Cai, Gulay Yalcin, Onur Mutlu, Eric Haratsch, Osman Unsal, Adrián Cristal and Ken Mai, “Neighbor-Cell Assisted Error Correction for MLC NAND Flash Memories,” in the Proceedings of the ACM International Conference on Measurement and Modeling of Computer Systems (SIGMETRICS) - Jun 2014
- Gulay Yalcin, Osman Unsal, Adrián Cristal, “FaulTM: Error Detection and Recovery Using Hardware Transactional Memory,” in the Proceedings of IEEE The Design, Automation, and Test in Europe Conference (DATE) - Mar 2013
- Gulay Yalcin, Osman Unsal, Adrián Cristal, Mateo Valero, “FIMSIM: A Fault Injection Infrastructure for Microarchitectural Simulators,” in the Proceedings of the 29th International Conference on Computer Design (ICCD) - Oct 2011

ZAFER AYDIN, Assistant Professor
Ph.D., Electrical and Computer Engineering, Georgia Institute of Technology, USA, 2008
zafer.aydin@agu.edu.tr

Research interests:
Bioinformatics, computational biology, machine learning, protein structure prediction.

Short bio:
Dr. Zafer Aydın received the B.Sc. and M.Sc. degrees in Electrical and Electronics Engineering from Bilkent University in 1999 and 2001. He received his Ph.D. degree from Electrical and Computer Engineering Department of Georgia Institute of Technology in 2008. Prior to joining Abdullah Gul University as a faculty of Computer Engineering in 2014, he worked as a post-doctoral research fellow at the Genome Sciences Department of Washington University from 2008 to 2011 and as an Assistant Professor in Bahcesehir University from 2011 to 2014. His research concentrates on developing bioinformatics and machine learning methods for protein structure prediction. He has co-authored 11 journals and 15 conference papers.

Selected awards:
- Best researcher award, Multimedia Computing and Communications Lab (MCCL), Georgia Institute of Technology, (2007).
- 2nd place award in EMBS Student Design Competition, 26th Annual International Conference of the IEEE Engineering in Medicine and Biology Society, San Francisco CA, (2004).

Selected publications:
- **Z. Aydin,** D. Baker and W. S. Noble, "Template Scoring Methods for Protein Torsion Angle Prediction," Communications in Computer and Information Science, (2015).
- A. Aoad, M. Simsek and **Z. Aydin,** "Development of Knowledge Based Response Correction for Producing New Solutions for a Reconfigurable N-shaped Microstrip Patch Antenna," to appear in IEEE Transactions on Microwave Theory and Techniques, (2015).
- C. E. Erdem, C. Turan and **Z. Aydin,** "BAUM-2: A multilingual audio-visual affective face database," Multimedia Tools and Applications, 74(18): 7429-7459, (2015).

IBRAHIM AKGUN, Associate Professor
Ph.D., Industrial Engineering, Bilkent University, Turkey, 2006
Ibrahim.akgun@agu.edu.tr

Research interests:

Risk management, decision analysis, disaster management and homeland security, energy and healthcare systems, technology management, network optimization, interdiction models, logistics and supply chain management, military operations research.

Short bio:

Dr. İbrahim Akgün received his B.Sc. degree in Systems Engineering from the Turkish Army Military Academy (TAMA) in 1994. He acquired his M.Sc. degree from the Department of Operations Research at the Naval Postgraduate School and Ph.D. degree from the Department of Industrial Engineering at Bilkent University in 2000 and 2006, respectively. Prior to joining the Department of Industrial Engineering at Abdullah Gül University in 2013, he worked as an Operations Research Analyst at the Scientific Decision Support Center of Turkish General Staff Headquarters (TGS), in administrative positions as a military officer in the Turkish Army, and as a faculty member at the Department of Industrial and Systems Engineering of TAMA. During his years in the TGS, he instructed part-time at Bilkent University and Cankaya University. His research focuses on risk and decision analysis, disaster management and homeland security, energy and health systems, and supply chain management. Dr. Akgün has published papers in high ranked journals such as Computers and Operations Research, European Journal of Operational Research, Journal of Operational Research Society, and the International Journal of Management Science (OMEGA).

Selected awards:

-Bilkent University Board of Trustees Scholarship for Graduate Study,Department of Industrial Engineering, (2000-2006).
- Turkish Armed Forces Scholarship for Graduate Study, 1998-2000.
- Top Graduate Award, Turkish Army Military Academy, 1994.

Selected publications:

- **İ. Akgün,** F. Gümüşbuğa, B.Tansel , Risk-Based Facility Location By Using Fault Tree Analysis in Disaster Management, International Journal of Management Science (OMEGA) 52, 168-179 (2015).
- **İ. Akgün,** B. Tansel, RK Wood, The Multi-Terminal Max-Flow Network Interdiction Problem, European Journal of Operational Research 211, 241-251, (2011)
- **İ. Akgün,** Hop-Constrained Minimum Spanning Tree Problem via Sherali and Driscoll's Tightened Miller-Tucker Zemlin Constraints, Computers and Operations Research 38 (1), 277-286 (2011).

İHSAN SABUNCUOĞLU, Professor
Ph.D., Industrial Engineering, Wichita State University, USA, 1989
sabun@agu.edu.tr

Research interests:
Simulation, scheduling, meta-heuristics, flexible manufacturing systems, analysis of manufacturing systems, cancer screening systems and driven pharmaceutical systems.

Short bio:
Prof. Sabuncuoğlu is the founding rector of Abdullah Gul University. He earned his BS and MS in industrial engineering from Middle East Technical University, in 1982 and 1984, respectively. He earned his PhD in industrial engineering from Wichita State University in 1990. Dr. Sabuncuoğlu worked for Boeing, Pizza Hut and the National Institute of Health in the United States during his PhD studies. He joined Bilkent University in 1990 and worked as a full-time faculty member until 2013. In the meantime, he held visiting positions at Carnegie Mellon University in the United States and at Institut Français de Mécanique Avancée (IFMA) in France. His research interests are in real-time scheduling, simulation optimization, and applications of quantitative methods to cancer-related health-care problems. His research has been funded by TUBITAK (The Scientific and Research Council of Turkey) and EUREKA (a European-wide initiative to foster European competitiveness through cooperation among companies and research institutions in the field of advanced technologies). Dr. Sabuncuoglu also has significant industrial experience in areospace, automotive, and military-based defence systems. His industrial projects are sponsored by a number of both national and international companies.

Selected publications:
- Industrial Engineering: Management, Tools, and Applications, Three Volume Set, Edited by Bidanda B., **Sabuncuoglu I.,** and Kara B. Y. CRP Press, 2015.
- Cenk, N., Budak, G., Dayanik, S., and **Sabuncuoglu, I.** "Artificial Neural Network Modeling and Simulation of In-Vitro Nanoparticle-Cell Interactions," Journal of Computational and Theoretical Nanoscience 11(1), 272–282, 2014.
- Koc, U., Toptal, A., and **Sabuncuoglu, I**. "A Class of Joint Production and Transportation Planning Problems under Different Delivery Policies," Operations Research Letters 41(1), 54–60, 2013.
- A. Toptal, U. Koc, and **Sabuncuoglu, I.** "A Joint Production and Transportation Planning Problem With Heterogeneous Vehicles", Journal of the Operational Research Society (forthcoming).

MUHAMMED SUTCU, Ph.D.
Ph.D., Industrial Engineering, University of Illinois Urbana-Champaign, USA, 2014
muhammed.sutcu@agu.edu.tr

Research interests:
Decision making with incomplete information and preferences, Data-based decision making, Information theory, Preference Elicitation, Utility theory, Multiattribute decision making, with a particular interest in applications to transportation, global warming and climate change, and health care.

Short bio:
Dr. Muhammed Sutcu received the B.Sc. degree in Industrial Engineering from Istanbul Technical University in 2006. He got his M.Sc. degree from Istanbul Technical University Management Department in 2008 and his Ph.D. degree from University of Illinois Urbana-Champaign Industrial and Enterprise Engineering Department in 2014. His research focuses are in the general area of (i) decision making with incomplete information and preferences, (ii) data-based decision making, (iii) decision-based design, (iv) information theory, (v) utility theory, (vi) multiattribute utility, and (vii) simulation modeling, with a particular interest in applications to health care systems, information systems, and transportation.

Selected publications:
- **Sutcu, M.,** and Abbas A.E., First Order Dependence Trees using Cumulative Residual Entropy (forthcoming at Entropy) (2015).
- **Sutcu, M.**, and Abbas A.E., A Study on Understanding True Cost to Own a Car (under second review at Transportation Research A: Policy and Practice).
- **Sutcu, M.,** and Abbas A.E., First Order Dependence Trees with Cumulative Residual Entropy. Bayesian Inference and Maximum Entropy Methods in Science and Engineering. Vol. 1641. pp 512-521, AIP Publishing, (2015)

SELCUK GOREN, Assistant Professor
Ph.D., Industrial Engineering, Bilkent University, Turkey, 2009
selcuk.goren@agu.edu.tr

Research interests:
Decision-making under uncertainty, robust optimization, stochastic optimization, renewable energy systems, smart networks, scheduling, applied probability, discrete optimization, heuristics.

Short bio:
Dr. Selçuk Gören received the B.Sc. degree in Industrial Engineering from Bilkent University in 2000. He got his M.Sc. and Ph.D. degrees, both from Bilkent University, Department of Industrial Engineering in 2002 and 2009, respectively. Prior to joining Abdullah Gül University as a faculty of Industrial Engineering in 2013, he worked as a post-doctorate research fellow in Laboratoire d'Informatique, de Modélisation et d'Optimisation des Systèmes (LIMOS) and Université Blaise Pascal (UBP) between 2010 and 2011. His research focuses on decision-making under uncertainty and hedging systems against uncertainty. He has co-authored numerous conference papers and several research articles in SCI journals including high rank journals such as IIE Transactions, Naval Research Logistics, and Computers & Operations Research.

Selected publications:
- **S. Goren** and H. Pierreval, Computers & Operations Research, 40(8), 1979-1990, (2013)
- **S. Goren,** I. Sabuncuoglu, and U. Koc, Naval Research Logistics, 59(1), 26-38, (2012)
- **S. Goren,** and I. Sabuncuoglu, IIE Transactions, 42(3), 203-220, (2010)

ZUBEYIR CINKIR, Associate Professor,
Ph.D., Mathematics, University of Georgia, USA, 2007.
zubeyir.cinkir@agu.edu.tr

Research interests:

Arithmetic Geometry, Combinatorics and Graph Theory, Toeplitz Matrices, Algebraic/Analytic Number Theory.

Short bio:

Dr. Zubeyir Cinkir earned his B. Sc. degree in both mathematics education and mathematics (as a double major) from Middle East Technical University in 1997. He received M. Sc. degree in mathematics from the same university in 2000. He holds a Ph. D. in mathematics from the University of Georgia, Athens, USA. After his graduation, he worked as a techinical support engineer between 2007 and 2010 at Wolfram Research Inc., makers of Mathematica and located in Urbana Champaign in Illinois. He worked as a faculty member at Zirve University between 2010 and 2014. He joined to Abdullah Gül University in 2014. His research focuses on the study of metrized graph invariants including their theoretical properties, numerical and symbolic computations and their applications into various other subjects such as Arithmetic Geometry, Algebraic Geometry, Graph Theory, Electric Circuits, and Molecular Graphs in chemistry. For example, he proved Effective Bogomolov Conjecture over function fields of characteristic zero, a notable problem in Arithmetic Geometry, by using his findings on the invariants of metrized graphs.

He has authored more than 15 SCI journal papers in respected journals such as Inventiones Mathematicae, Mathematics of Computation, European Journal of Combinatorics, Manuscripta Mathematica and Kyoto Journal of Mathematics.

Zübeyir Çınkır is a recipient of 2013 Research Encouragement Award given by TÜBİTAK and 2014 Young Scientest Award BAGEP given by Academy of Science in Turkey. He is also a recipient of 2015 Sedat Simavi Science Award in Turkey.

Selected Awards:

- Sedat Simavi Science Award, 2015, Turkey.
- The Science Academy Young Scientist Award, BAGEP 2014, Turkey.
- TÜBİTAK Research Encouragement Award, 2013, Turkey.

Selected publications:

-**Z. Cinkir,** Zhang's Conjecture and The Effective Bogomolov Conjecture over Function Fields, Inventiones Mathematicae, Volume 183, (3), 517–562 (2011).
- **Z. Cinkir,** The Tau Constant and the Edge Connectivity of a Metrized Graph, The Electronic Journal of Combinatorics, Volume 19, (4), P46 (2012).
- **Z. Cinkir,** A Fast Elementary Algorithm for Computing the Determinant of Toeplitz Matrices, Journal of Computational and Applied Mathematics, Volume 255, 353–361 (2014).

MURAT DURANDURDU, Associate Professor
Ph.D., Physics, Ohio University, USA, 2002
murat.durandurdu@agu.edu.tr

Research interests:

Materials under extreme conditions, metallic glasses, amorphous semiconductors, ultra-high temperature ceramics and ceramic composites, nanomaterials, hydrogen storage materials, and liquids.

Short bio:

Dr. Murat Durandurdu received his BSc in Physics from the Karadeniz Technical University, his MSc in Materials Science and Engineering from Virginia Tech and his PhD in Physics from Ohio University. He worked as a postdoctoral research associate in the Materials Science and Engineering at the University of Michigan-Ann Arbor. Dr. Durandurdu held an assistant professor position in the Department of Physics at the University of Texas-El Paso and a research associate professor position in the Department of Physics at Texas Tech University prior to joining Abdullah Gül University Faculty in 2014. His research focuses on computational materials science and nanotechnology, and theoretical condensed matter physics. He has co-authored more than sixty publications in high impact journals.

Selected awards:

- Eta Omicron Nu (HON) Faculty Appreciation Award, Texas Tech, 2013, USA.
- Fellowship, TUBITAK, 2008, 2009 and 2014, Turkey.
- Best Poster Award Winner, Materials Research Society Fall Meeting, 2003, USA.

Selected publications:

- **M. Durandurdu**, J. Am. Ceram. Soc. 98, 1095 (2015).
- **M. Durandurdu,** J. Solid State Chem. 230, 233 (2015).
- **M. Durandurdu,** J. Chem. Phys. 137, 034503 (2012).

AYSUN CEBECİ AYDIN, Assistant Professor
Ph.D., Biochemistry, Middle East Technical University, Turkey, 2008
aysun.cebeciaydin@agu.edu.tr

Research interests:
Intestinal health and diseases, mini-intestines, gut microbiota, probiotics, prebiotics, lactic acid bacteria, molecular identification methods.

Short bio:
Dr. Aysun Cebeci Aydın received her B.Sc. degree in Biology from Middle East Technical University in 1999. He got his M.Sc. and Ph.D. degrees, from Middle East Technical University Department of Biochemistry in 2002 and 2008, respectively. She has joined Abdullah Gül University as a faculty in 2012. Dr. Cebeci Aydın was awarded Tubitak 2219 grant for postdoctoral research abroad, and worked as a Visiting Scientist at Massachusetts Institute of Technology in 2014 for a year. Her research focuses on the interaction of microbiota with the intestinal epithelial cells, and impact of microbiota on the intestinal inflammation.

Selected awards:
- Tubitak 2219 awardee for postdoctoral research abroad.

Selected awards:
- Cetinbas N., Sudderth J, Harris R. C., **Cebeci A.,** Yilmaz O. H., DeBerardinis R.J., Sorensen P. H. (2015) Glucose-dependent anaplerosis in cancer cells is required for cellular redox balance in the absence of glutamine. PNAS (submitted)
- Khaskheli, A.A., Talpur, F.N., Ashraf, M.A., Jawaid, S., **Cebeci A.**, Afridi, H.I. (2015) Monitoring the Rhizopus oryzae lipase catalyzed hydrolysis of castor oil by ATR-FTIR spectroscopy. Journal of Molecular Catalysis B: Enzymatic. 113: 56-61.
- **Cebeci A.** and Gurakan G.C. (2011) Comparative typing of L. delbrueckii subsp. bulgaricus strains using multilocus sequence typing and RAPD-PCR. European Food Research and Technology 233:377–385.

ERKİN AYDIN, Assistant Professor
Ph.D., Biotechnology, Middle East Technical University University, Turkey, 2010
erkin.aydin@agu.edu.tr

Research interests:

Drug targeting and delivery systems (Intravenous, topical, mucosal), Tissue engineering and regenerative medicine of bone and tendon, Biodegradable implants, Antioxidants and anticancer agents, Polymer processing for biological applications, Bionanotechnology and Nanocomposites.

Short bio:

Dr. Erkin Aydin studied biology at Middle East Technical University (METU). He received his M.Sc. in Biochemistry in 2002 and Ph.D. in Biotechnology in 2010, both from METU. He joined AGU in 2012 and then between 2013 and 2015, he conducted research on innovative nanotechnologies for mucosal delivery of drugs in Robert Langer's labs in Massachusetts Institute of Technology (MIT) in USA. In the meantime, he also served as senior scientist to Privo Technologies, a start-up company in Cambridge, USA that is developing mucosal drug delivery technologies.

Selected awards:

- TUBİTAK international post-doctoral scholarship, 2013, Turkey.

Selected publications:

- Güngormüş C, Kolankaya D, **Aydin E.** Histopathological and Biomechanical Evaluation of Tenocyte Seeded Allografts on Rat Achilles Tendon Regeneration. Biomaterials 2015, vol 51:108–118.

- Goldberg M, Manzi A, **Aydin E,** Singh G, Khoshkenar P, Birdi A, LaPorte B, Krauskopf A, Powell G, Chen J, Langer R. Development of a Nanoparticle- Embedded Chitosan Sponge for Topical and Local Administration of Chemotherapeutic Agents. J Nanotechnol Eng Med. 2014 Nov;5(4):0409051-4090511.

- **Aydin E,** Planell Josep A, Hasirci V. Hydroxyapatite Nanorod – Reinforced Biodegradable Poly(L-lactic acid) Composites for Bone Plate Applications. Journal of Materials Science: Materials in Medicine 2011;22(11):2413-27.

HAKAN USTA, Associate Professor
Ph.D., Chemistry, Northwestern University, USA, 2008
hakan.usta@agu.edu.tr

Research interests:

Materials design and synthesis for organic electronic applications, molecular and polymeric semiconductors, nanodielectic capacitors, light-emissive fluorescent/phosphorescent materials, graphene-like 2D semiconductors, organic thin-film transistors (OTFTs), organic solar cells (OPVs), organic light-emitting diodes (OLEDs) and transistors (OLETs).

Short bio:

Dr. Hakan Usta received his B.S. in Chemistry in 2004 from Bilkent University (Ankara, Turkey) and obtained his Ph.D. in Chemistry from Northwestern University (Evanston, IL) under the supervision of Prof. Tobin J. Marks in 2008. He then joined Polyera Corporation, Illinois Science & Technology Park (Skokie, IL), where he worked as a Senior Research Scientist between 2008-2011 and as a Project Leader between 2011-2013. In 2013, he joined the faculty at AGU. Dr. Usta received the "2014-BAGEP Distinguished Young Scientist Award" and "2015-The Young Scientists Award (TÜBA-GEBİP)" in the field of materials science and nanotechnology. Dr. Usta has published more than 30 SCI research articles in high impact journals including JACS, Advanced Materials, Nature Materials, and Chemistry of Materials with a total international citation of more than 1800. He has 1 book chapter with Wiley, and holds 11 international patents. His current research interests include the development of high-performance functional organic materials for optoelectronic applications.

Selected awards:

- The Young Scientists Award, TÜBA-GEBİP, 2015, Turkey.
- Distinguished Young Scientist Award, The Science Academy-BAGEP 2014, Turkey.
- US National Institute of Standards and Technology (NIST) Innovation Award, USA, 2010 (As Polyera R&D Team).

Selected publications:

- **H. Usta,*** C. Sheets, M. Denti, G. Generali, R. Capelli, S. Lu, X. Yu, M. Muccini,* A. Facchetti* Chemistry of Materials, 26, 6542–6556 (2014).
- **H. Usta,*** M. D. Yilmaz, A.-J. Avestro, D. Boudinet, M. Denti, W. Zhao, J. F. Stoddart,* A. Facchetti* Advanced Materials, 25, 4327-4334 (2013).
- **H. Usta,*** C. Newman, Z. Chen, A. Facchetti* Advanced Materials, 24, 3678-3684 (2012).

ILKER ERDEM, Assistant Professor
Ph.D., Chemical Engineering,
Izmir Institute of Technology (IZTECH), Turkey, 2009
ilker.erdem@agu.edu.tr

Research interests:

Ceramic composite materials, sol-gel, micro/ultra/nano filtration, ceramic membranes, food technology, biotechnology.

Short bio:

Dr. İlker Erdem received the B.Sc. degree in Food Engineering from Ege University in 1999. He got his M.Sc. and Ph.D. degrees, both at Izmir Institute of Technology (IZTECH) from Biotechnology and Bioengineering MSc Program in 2002 and from Chemical Engineering Department in 2009, respectively. Prior to joining Abdullah Gül University as a faculty member of Engineering Faculty in 2012, he worked as a research assistant at IZTECH for ten years and as a lecturer at Cumhuriyet University Gemerek Vocational School, for one year. His research focuses on the preparation and characterization of tailor-made ceramic composite membranes for various applications. Awarded as an Erasmus Program scholar he has been to European Membrane Institute (IEM, Montpellier, FR) for six months as a visiting researcher.

Selected awards:

- EU Erasmus Student Exchange Program Scholarship, “Design of an enzymatic membrane reactor and study of the operating parameters for treatment of wastewaters containing phenolic compounds” September 2007 – February 2008, European Membrane Institute (IEM), Montpellier, France.

Selected publications:

- **Erdem, I.,** Ciftcioglu, M., Harsa, S., "Separation of Whey Components by Using Ceramic Composite Membranes", Desalination, Vol.189, 87-91, (2006).
- **Erdem, I.,** Ciftcioglu, M., "Influence of Calcination Temperature on Microstructure and Surface Charge of Membrane Top Layers Composed of Zirconia Nanoparticles”, Journal of the Australian Ceramic Society, 51-1, 134-138, (2015).

KEVSER KAHRAMAN, Assistant Professor
Ph.D., Food Engineering, Hacettepe University, Turkey, 2011
kevser.kahraman@agu.edu.tr

Research interests:
Functional food components and their health effects.

Short bio:
Dr. Kevser Kahraman received the B.Sc. degree in Food Engineering from Hacettepe University in 2002. She got her M.Sc. and Ph.D. degrees, both from Hacettepe University, Food Engineering Department in 2005 and 2011 respectively. She spent 1,5 years during her PhD at Michigan State University Department of Food Science and Human Nutrition as a visiting scholar. Her research focuses on the functional food components and their health effects.

Selected publications:
- **K. Kahraman,** H. Koksel and P.K.W. Ng, Food Chemistry, 174, 173-179 (2015).
- **K. Kahraman** and H. Koksel, Quality Assurance and Safety of Crops & Foods, 5, 4, 295-302 (2013).
- H. Koksel, **K. Kahraman,** T. Sanal, D. Ozay Sivri, A. Dubat, Cereal Chemistry, 86, 5, 522-526 (2009).

MEHMET SAHIN, Associate Professor
Ph.D., Physics, Selçuk University, Turkey, 2005
mehmet.sahin@agu.edu.tr

Research interests:

Electronic and optical properties of semiconductor quantum dots, photovoltaics, excitonic structures in quantum dot nanocrystals, metal-semiconductor contacts, and numerical calculations.

Short bio:

Dr. Mehmet Sahin received the B.Sc. degree in Physics from Selçuk University in 1994. He got his M.Sc. degree from Erciyes University Physics Department and Ph.D. degree from Selcuk University Physics Department in 1999 and 2005, respectively. Prior to joining Abdullah Gül University as a faculty of Material Science and Nanotechnology Engineering Department in 2012, he worked as a faculty member in Physics Department of Selçuk University, between 1998 and 2012. His research focuses on the electronic and optical properties of III-V and II-VI semiconductor quantum dot heterostructures. After his Ph.D., he visited Bilkent University for 8 months, The University of Sheffield for 6 months (UK), and University of Arkansas (USA) for 12 months as a research scholar. He has co-authored numerous conference papers and more than 40 SCI journals including high rank journals such as Applied Physics Letters, Physical Review B, Journal of Applied Physics, Journal of Physics D.

Selected publications:

- A. Aktürk, **M. Sahin,** F. Koc, and A. Erdinc, Journal of Physics D: Applied Physics 47, 285301 (2014).
- **M. Sahin,** and F. Koç, "A model for the recombination and radiative lifetime of trions and biexcitons in spherically shaped semiconductor nanocrystals" Applied Physics Letters 102, 183103 (2013).
- H. Taş, and **M. Sahin,** "The inter-sublevel optical properties of a spherical quantum dot-quantum well with and without a donor impurity" Journal of Applied Physics 112, 053717 (2012).

BURAK BAL, Assistant Professor
Ph.D., Mechanical Engineering, Koç University, Turkey, 2015
burakbalkoc@gmail.com

Research interests:

New-generation energy efficient structural materials, high-strength steels, microstructure based modeling, multi-physics and multi-scale modeling, mechanical deformation and microstructure evolution, fatigue and fracture, ultrafine-grained materials, biomaterials and biomechanics.

Short bio:

Dr. Burak Bal received the B.Sc. degree in Mechanical Engineering from Middle East Technical University in 2011. He got his Ph.D. degree from Koç University Mechanical Engineering Department in 2015. Prior to joining Abdullah Gül University as a faculty of Mechanical Engineering in 2016, he joined the Department of Aeronautics and Astronautics at Purdue University as Postdoctoral Research Fellow with the aim of conducting research on surrogate meta-models to implement physics based modeling into design, structures, and manufacturing enterprises. His current scientific interests include microstructure based modeling under different kinds of loading scenarios, new-generation energy efficient structural materials multi-physics and multi-scale modeling, mechanical deformation and microstructure evolution and fracture. During his Ph.D. he has published several SCI journal papers and seminar papers including high rank journals such as Material Science and Engineering A, Journal of Engineering Materials and Technology, Materials Science and Technology.

Selected awards:

- Koç University graduate scholarship award, 2011-2015.
- Honor student award from METU, 2011.

Selected publications:

- **B. Bal,** B. Gumus, G. Gerstain, D. Canadinc, H. J. Maier, Materials Science & Engineering A, 29, 632 (2015).
- B. Gumus, **B. Bal,** G. Gerstain, D. Canadinc, H. J. Maier, F. Guner, M. Elmadagli, Materials Science & Engineering A, 104, 648 (2015).
- O. Onal, **B. Bal,** S. M. Toker, M. Mirzajanzadeh, D. Canadinc, H. J. Maier, Journal of Materials Research, 29, 1123 (2014).

MEHMET TARIK ATAY, Assistant Professor
Ph.D., Engineering Sciences, Middle East Technical University, Turkey, 2005
mehmettarik.atay@agu.edu.tr

Research interests:
Computational Mechanics, Numerical solutions of ordinary differential equations, Stiff/Singular Perturbation Problems and their numerical solutions Quality Concept, Applications of Quality concept in Higher Education institutions .

Short bio:
Dr. Mehmet Tarik Atay received the B.Sc. degree in Mathematics Department from Middle East Technical University in 1993. He got his Applied Mathematics M.Sc. degree from Illinois Institute of Technology, Chicago 1996 and Ph.D. degree from Middle East Technical University, Engineering Sciences Department in 2005 and 2012. Prior to joining Abdullah Gül University as a faculty of Mechanical Engineering in 2014, he worked as a assistant professor in Nigde University, Mathematics Department between 2006 and 2014. His research focuses on numerical solutions of linear and nonlinear ordinary differential equations encountered in solid and fluid mechanics. Several Tubitak publication awards were given to him. He has authored and co-authored numerous conference papers and more than 16 SCI journals.

Selected awards:
- YÖK Graduate Education Award 1993-1997.
- YÖK 3 months award for conducting research in Finland, University of Easten Finland, Joensuu(2013).
- Several TÜBİTAK publication Support Awards, 2008-2014.

Selected publications:
- C. S. Bozkurt, **M. T. Atay,** Determination of critical buckling load for elastic columns of constant and variable cross-sections using variational iteration method. Computers & Mathematics with Applications, 58(11-12), 2260-2266., Doi: 10.1016/j.camwa. 2009.03.072 (2009).
- **M. T. Atay,** C. S. Bozkurt Elastic stability of Euler columns with a continuous elastic restraint using variational iteration method, Computers & Mathematics with Applications, 58(11-12), 2528-2534., Doi: 10.1016/j.camwa.2009.03.051 (2009).
- M. A. Başaran, E. F. Dilek, **M. T. Atay,** Comment to paper entitled "Application of the analytical hierarchy process in the selection of desalination plants" in 174 (2005) 97–108. Desalination, 261(1-2), 1-2., Doi: 10.1016/j.desal.2010.05.026 (2010).

BURAK UZAL, Associate Professor
Ph.D., Civil Engineering, Middle East Technical University, Turkey, 2007
burak.uzal@agu.edu.tr

Research interests:

Sustainable (Green) cementitious materials, new generation blended cements with high volume of mineral additives, Lightweight concrete, Micro- and Nano-structure of cementitious materials, nanotechnology in cement-based materials.

Short bio:

Dr. Burak UZAL is an associate professor of Civil Engineering Department at Abdullah Gül University. He received his B.Sc. in Civil Engineering from Selcuk University (1998), his M.Sc. and PhD. in Civil Engineering from Middle East Technical University (2002 and 2007, respectively). On his studies in Middle East Technical University, he focused on the properties, hydration and microstrcuture of cementitious systems containing high volume of natural pozzolans. In Middle East Technical University, he studied in an interdisciplinary (Civil Engineering, Chemical Engineering, and Geological Engineering) research project titled as "Use of Natural Zeolites in Building Industry" and supported by TUBITAK. He proposed an industrial R&D project aiming to obtain high performance mineral admixtures for concrete mixtures from natural raw materials to Small and Medium Enterprises Development Organization (KOSGEB) in 2011, and he established a start-up company in Erciyes Technopark to conduct the project after its acceptation for financial support. He has been conducted research studies at Georgia Institute of Technology, School of Civil and Environmental Engineering, USA, as visiting researcher in 2013-2014 for one year.

Selected publications:

-Kucukyıldırım, E., **Uzal, B.** (2014) , Characteristics of calcined natural zeolites for use in high-performance pozzolan blended cements, Construction and Building Materials, Vol.73, 229-234.
-**Uzal, B.,** Turanli, L., Blended cements containing high volume of natural zeolites: Properties, hydration and paste microstructure, Cement and Concrete Composites Vol.34 (2012), 101-109.
-**Uzal, B.,** Turanlı, L., Yücel, H., Göncüoğlu, M.C., Çulfaz, A. (2010), Pozzolanic Activity of Clinoptilolite: A Comparative Study with Silica Fume, Fly Ash and a Non-Zeolitic Natural Pozzolan, Cement and Concrete Research 40 (3), 398-404.

AYŞEGÜL AKYOL, Assistant Professor
Ph.D., Mathematics, Bilkent University, Turkey, 2013
aysegul.akyol@agu.edu.tr

Research interests:
Geometric topology, plane curves of degree six (sextics), moduli space of sextics, singularities of curves, simple singularities.

Short bio:
Dr. Ayşegül Akyol received her BSc degree in Mathematics from the Bilkent University in 2005. She acquired her MSc and PhD degrees at Bilkent University's Mathematics Department in 2008 and 2013, respectively. Prior to joining Abdullah Gül University's Department of Civil Engineering in 2014, she worked as instructor at Çankaya University, Ankara for two semester in 2012 and in 2013. Her research focuses on the classification of simple singular plane sextics in projective space up to deformation. She is the recipient of the Comprehensive Scholarship for Undergraduate Program and Merit-based Full Scholarship for Graduate Program in Bilkent University. Dr. Akyol has single-authored SCI journal publication on Zariski pairs of degree six and a collaborated work with Alexander Degtyarev on geography of irreducible sextics which is published in a selected journal "Proceedings of the London Mathematical Society".

Selected awards:
- Comprehensive Scholarship for Undergraduate Program, İ. D. Bilkent University (2000 - 2005)
- Merit-based Full Scholarship award for Graduate Program, İ. D. Bilkent University (2006 - 2013)

Selected publications:
- **Ayşegül Akyol,** "Classical Zariski Pairs", Journal of Knot Theory and Its Ramifications, 208 (2012) .
- **Ayşegül Akyol,** Alexander Degtyarev, "Geography of Irreducible sextics", Proceedings of the London Mathematical Society, 111 (6): 1307-1337 (2015)

CİHAN ÇİFTCİ, Assistant Professor
Ph.D., Civil Engineering, University of Massachusetts-Amherst, MA, USA, 2012
cihan.ciftci@agu.edu.tr

Research interests:
Earthquake engineering and design, Probabilistic methods in structural mechanics, Static and dynamic analyses of structures, Monte-Carlo simulations, Finite element modeling for structures, tree dynamics, risk assessment of tree failures, structural reliability, and design of steel structures.

Short bio:
Dr. Ciftci received his BSc and MSc degrees from Civil Engineering at Bogazici University in 2007 and 2009, respectively. He acquired his PhD degree from the Department of Civil and Environmental Engineering at University of Massachusetts, Amherst in 2012. Currently, he is Assistant Professor in Department of Civil Engineering at Abdullah Gul University. His research focuses on mainly (1) the reliability of structures, (2) probabilistic methods in structural mechanics by applying FE modeling on the structures, and (3) fragility analysis of tree structures. Dr. Ciftci presented several important conference presentations (in Portland, OR and Italy) and also has significant 3 SCI-journal publications in high ranked journals such as Trees – Structure & Function, and Probabilistic Engineering Mechanics.

Selected publications:
-**Cihan Ciftci,** Sergio F. Brena, Brian Kane, and Sanjay R. Arwade, (2013), "The effect of crown architecture on dynamic amplification factor of an open-grown sugar maple (Acer saccharum L.)", Trees Structure and Function, 27, 1175-1189.
-**Cihan Ciftci,** Brian Kane, Sergio F. Brena, and Sanjay R. Arwade, (2014), "Loss in Moment Capacity of Tree Stems Induced by Decay", Trees – Structure and Function, 28, 517-529.
-**Cihan Ciftci,** Sanjay R. Arwade, Brian Kane, and Sergio F. Brena, (2014), "Analysis of the probability of failure for open-grown trees during wind storms", Probabilistic Engineering Mechanics, 37, 41-50.

MÜGE AKIN, Assistant Professor
Ph.D., Geological Engineering, METU, Turkey, 2009
muge.akin@agu.edu.tr

Research interests:
Seismic microzonation, soil mechanics, geotechnical earthquake engineering, site investigation, site response and soil amplification, soil and rock properties, liquefaction, seismic hazard analyses, rocfall hazards, geotechnical site characterization, ground improvement techniques, GIS, multi-criteria decision analyses (MCDA).

Short bio:
Dr. Müge Akın received her B.Sc. (1997) and M.Sc. (2001) in Geological Engineering from Ankara University and PhD. in Geological Engineering from Middle East Technical University (METU) (2009). On her studies in METU, she focused on the seismic microzonation of urban areas and dynamic soil characterization. As a Fulbright Visiting Scholar, she has a chance to make collaboration with Prof. Dr. Steven L. Kramer in the University of Washington (Seattle-USA) who is a worldwide well-known expert in Geotechnical Earthquake Engineering. In METU and University of Washington, she studied interdisciplinary (Civil Engineering and Geological-Geotechnical Engineering) topics for her PhD study. Her PhD has been awarded by a couple of prizes (2009 Erguvanlı Engineering Geology Prize by Turkish IAEG for the best PhD dissertation in Engineering Geology and METU Mustafa Parlar Foundation Prize for the best PhD dissertation in 2009-2010). She has co-authored numerous conference papers and 10 SCI journals.

Selected awards:
-2009 Erguvanlı Engineering Geology Prize by the Turkish National Committee of the International Association for Engineering Geology and the Environment (IAEG) for the best PhD dissertation in Engineering Geology.
-METU (Middle East Technical University) Mustafa Parlar Foundation Prize for the best PhD dissertation in 2009-2010.

Selected publications:
-Kayabalı, K., **Akın, M.,** 2003. Seismic hazard map of Turkey using the deterministic approach. Engineering Geology, 69(1), 127-137.
-**Akın, K. M.,** Kramer, S.L., Topal, T., 2011. Empirical correlations of shear wave velocity (Vs) and penetration resistance (SPT-N) for different soils in an earthquake-prone area (Erbaa-Turkey). Engineering Geology, 119(1-2), 1-17.
-**Akın, K. M.,** Topal, T., Kramer, S.L., 2012. A newly developed seismic microzonation model of Erbaa (Tokat, Turkey) located on seismically active eastern segment of the North Anatolian Fault Zone (NAFZ). Natural Hazards, 2012, February 2013, Volume 65, Issue 3, pp 1411-1442.

NİĞMET UZAL, Assistant Professor
Ph.D., Environmental Engineering, Middle East Technical University, Turkey, 2007
nigmet.uzal@agu.edu.tr

Research interests:
Membrane processes in water and wastewater treatment, fabrication of thin film membranes, salinity gradient power, industrial wastewater treatment and reuse, physicochemical treatment processes, anaerobic biotechnology.

Short bio:
Dr. Nigmet Uzal received the B.Sc. degree in Environmental Engineering from Mersin University in 1997. She got her M.Sc. and Ph.D. degrees, both from Middle East Technical University Department of Environmental Engineering in 2001 and 2007, respectively. Her research focuses on membrane processes in water and wastewater treatment. She conducts research on developing thin film membranes for enhanced water treatment. She joined AGU in 2012. Dr. Uzal spent a year as a postdoctoral researcher at Georgia Tech Department of Civil and Environmental Engineering in 2013.

Selected publications:
-Hong J. G.; Zhang B.; Glabman S.; **Uzal N.,** Dou X.; Chen Y., Potential Ion Exchange Membranes and System Performance in Reverse Electrodialysis for Power Generation: A review, Journal of Membrane Science, Volume 486, 2015, Pages 71-88.
-Varol B., **Uzal N.** Arsenic Removal From Aqueous Solutions By Ultrafiltration Assisted With Polyacrylamide: an Application of Response Surface Methodology, Desalination and Water Treatment, Volume 56, Issue 3, 2015, pages736-743.
-Varol C., **Uzal N.,** Dilek F.B., Kitis M., Yetis U., Recovery of caustic from mercerizing wastewaters of a denim textile mill, Desalination and Water Treatment, Volume 53, Issue 12, 2015, pages 3418-3426.

ABDÜLKADİR DOĞAN, Associate Professor
Ph.D., Applied Mathematics, University of Wales,1997.
abdulkadir.dogan@agu.edu.tr

Research interests:

Numerical solution, finite element methods, partial differential equations, differential equations, boundary value problems, dynamic equations on time scales.

Short bio:

Dr Abülkadir Doğan received his BSc and MSc degrees in Mathematics from Hacettepe University's Mathematics Department in 1988 and 1993, respectively. He acquired his PhD degree at Wales University's Applied Mathematics Department in 1997. Prior to joining Abdullah Gül University's Department of Applied Mathematics in 2011, he worked as a Assistant Professor at Nigde University, between 1998 and 2011. He became head of the Applied Mathematics Department in 2012. His research focuses on the finite element methods, numerical solution of partial differential equations, boundary value problems for ordinary differential equations, and dynamic equations on time scales. He won doctoral fellowship abroad award of Higher Educational Council of Turkey in 1993. He has published a lot of articles in SCI Journals and his articles have been highly cited. He gave many invited talks in various prestigious scientific meetings and academic institutions.

Selected awards:

- TUBITAK (The Scientific and Technological Research Council of Turkey Postdoctoral Research 2219 Fellowship Award, University of Tennessee, USA, (from June to December 2009)
- TUBITAK(The Scientific and Technological Research Council of Turkey Postdoctoral Research NATO-B2 Fellowship Award, University of Leicester, UK, (from March to June 2001)
- Doctoral fellowship abroad, Higher Educational Council of Turkey, (1993-1997)

Selected publications:

- A. Dogan, "Existence of multiple positive solutions for p-Laplacian multipoint boundary value problems on time scales," Advances in Difference Equations, 2013, 238, 1-23 (2013).
- **A. Dogan,** "Existence of three positive solutions for an m-point boundary-value problem on time scales," Electronic Journal of Differential Equations, 2013 (149), 1-10 (2013)
- **A. Dogan,** J.R. Graef, L. Kong, "Higher order semipositone multipoint boundary value problems on time scales," Computers& Mathematics with Applications, 60, 23-35 (2010).

AYSUN ADAN, Assistant Professor
Ph.D., Molecular Biology and Genetics, İzmir Institute of Technology, Turkey, 2015
aysun.adan@agu.edu.tr

Research interests:
Identification of Novel Intracellular Targets for Cancer Therapy, Natural Products and Their Anti-Carcinogenic Potentials, Multidrug Resistance Mechanisms and Its Reversal, The Role of Bioactive Sphingolipids in Cancer, Combination Therapies, Cell Death Mechanisms and Signalling Pathways.

Short bio:
Dr. Aysun Adan received the B.Sc. degree in Biology from Ege University in 2006. She got her M.Sc. and Ph.D. degrees in Molecular Biology and Genetics, both from İzmir Institute of Technology in 2009 and 2015 respectively. During her Ph.D., she earned one-year scholarship from TÜBİTAK to continue her PhD studies at Medical University of South Carolina, Hollings Cancer Center, USA. Her research area of interest is mainly focused on the molecular biology of several types of leukemias and identification of novel targets for cancer therapy. She is also interested in anticarcinogenic potentials of natural products in cancer. She has been awarded by more than 10 different scientific foundations. She identified two novel genes published in NCBI. She has co-authored numerous national and international conference papers and 16 SCI journals.

Selected awards:
- 15th annual FEBS Young Scientists' Forum Grant, FEBS 2015, Germany.
- Travel Grant, 8th International Ceramide Conference (iCC8) and the Sphingolipid Club joint meeting 2015, Turkey
- Eczacıbası Holding, Dr. Nejat F. Eczacıbası Medicine Award, Scientific Project Support Award 2015, Turkey.
- TÜBİTAK-BİDEB Scholarship for doctoral thesis study 2013, Turkey.

Selected publications:
- **A Adan,** Y.Baran. Tumor Biology, In Press. (2016).
- M. Kartal-Yandım, **A. Adan,** Y. Baran. Critical Reviews in Biotechnology. In Press. (2016).
- **A. Adan,** Y.Baran. Tumor Biology, 36(11), 8973-84 (2015).

ISMAIL ALPER ISOGLU, Assistant Professor
Ph.D., Bioengineering, Hacettepe University, Turkey, 2009
alper.isoglu@agu.edu.tr

Research interests:
Synthesis and characterization of biodegradable polymers, 3D scaffold design for tissue engineering applications, smart polymeric carriers for drug delivery.

Short bio:
Dr. Ismail Alper Isoglu received his B.S. degree in Chemical Engineering from Ankara University in 2000, M.Sc. degree in Chemical Engineering from Hacettepe University in 2004 and Ph.D. degree in Bioengineering from Hacettepe University in 2009. His main research focuses on the design and characterization of biodegradable polymeric scaffolds for tissue engineering applications and smart polymeric carriers for controlled drug delivery systems. In addition, he has interested in Intellectual Property Rights in professional manner during his Ph. D. study. Prior to joining to AGU, he worked as a patent engineer for some of Turkey's leading patent offices in Ankara and Istanbul. In 2005, he succeed on the qualifying exam for Turkish Patent Attorneys organized by Turkish Patent Institute and gained the title of Turkish Patent Attorney that has right officially to file patent and utility model applications for the third parties. He has written over than 60 descriptions and claim sets of patent/utility model applications, and assisted to file before the Turkish Patent Institute, European Patent Office and WIPO. In 2014, he received postdoctoral research grant from The Scientific and Technological Research Council of Turkey (TUBITAK) and worked as a postdoctoral researcher at University of Michigan, Ann Arbor, USA, for one year. He has co-authored numerous conference papers and 7 SCI journal papers with more than 250 citations.

Selected awards:
- Postdoctoral Research Grant, TUBITAK-BIDEB 2219, University of Michigan, Ann Arbor, USA, 2014-2015.
-Research Scholarship, FP6-Expertissues, Network of Excellence, Italy, November 2008–January 2009.
-Society of Turkish Plastic Reconstructive Surgery, Competition of Expert Researchers, 1st Place for Experimental Category, 2008.

Selected publications:
-Z. Özdemir, M. Topuzoğulları, **İ. A. İşoğlu,** S. Dinçer. Polymer Bulletin, 70(10), 2857-2872 (2013).
-E. Pişkin, **İ. A. İşoğlu,** N. Bölgen, S. Griffiths, İ. Vargel, T. Çavuşoğlu, P.
Korkusuz, E. Güzel and S. Cartmell. Journal of Biomedical Materials Research Part A, 90A (4), 1137-1151 (2009)
-E. Pişkin, N. Bölgen, S. Eğri and **İ. A. İşoğlu.** Nanomedicine, 2(4), 441-457 (2007)

MONA EL KHATIB, Assistant Professor
Ph.D, Molecular Biology, Hannover Medical School, Germany, 2012
mona.khatib@agu.edu.tr

Research interests:
Cancer Biology, Transgenic and Xenograft Mouse Models, Cancer Signalling pathways, Cancer Genomics, Cancer Targeted Therapy.

Short bio:
Dr. Mona El Khatib received the B.Sc. and M.Sc. degree in Biology from American University of Beirut in 2007 and 2009, respectively. She was awarded a summa cum laude for her Ph.D. degree in Molecular Medicine from the Department of Gastroenterology, Hepatology and Endocrinology, Hannover Medical School in 2009. Prior to joining Abdullah Gül University as a faculty in the department of molecular biology and genetics in 2015, she worked as a Postdoc at the Department of Pediatric Hematology and Oncology at Hannover Medical School, Germany. Her research focuses on understanding the ability of cancerous cells to deregulate signals and become masters of their own destiny. Her lab performs oncogenic screenings that will help to decipher the role of recently found mutations in various cancers and study the molecular mechanisms that induce cellular transformation. After which, subsequent loss-of-function studies are performed, which allows the identification of novel targeted therapy approaches that will help cure cancer. Currently the focus of her studies is on acute myeloid leukemia (AML).

Selected awards:
- Excellent PhD Thesis Award (Summa cum laude) for the PhD thesis entitled: "Analysis of Sonic Hedgehog and Notch Signaling Pathways in the Carcinogenesis of Cholangiocarcinomas"
- Awarded "Best Poster Prize" at Falk Symposium, for project entitled: Analysis of the Notch Signaling Pathway in Cholangiocarcinoma Cell Lines,Mainz,Germany
- Awarded a Stipend of the Hannover Biomedical Research School
- Awarded a Graduate Assistantship from the Department of Biology, American University of Beirut, Beirut, Lebanon

Selected publications:
- S. Emmrich, J.E. Katsman-Kuipers, K. Henke, **M.E. Khatib,** R. Jammal, F. Engeland, F. Dasci, C.M. Zwaan, M.L. den Boer, L. Verboon, J. Stary, A. Baruchel, V. de Haas, A.A. Danen-van Oorschot, M. Fornerod, R. Pieters, D. Reinhardt, J.H. Klusmann, M.M. van den Heuvel-Eibrink. Leukemia, 28, 1022–1032 (2013).
- **M.E. Khatib,** P. Bozko, V. Palagani, N.P. Malek, L. Wilkens, R.R. Plentz. PLoS One, 8, 1-9 (2103).
- **M.El Khatib,** A Kalnytska, V. Palagani, U. Kossatz, M.P. Manns, N.P. Malek, L. Wilkens, R.R. Plentz. Hepatology, 57, 1035-45 (2013).

SEBİHA CEVİK-KAPLAN, Assistant Professor
Ph.D., School of Biomedical and Biomolecular Science
University College Dublin, UCD, Ireland, 2011
sebiha.cevik@agu.edu.tr

Research interests:
Cilia-related disease, cilia function, rare genetic disorder, aging, reproduction, visualization of real time dynamics of ciliary proteins, C. elegans.

Short bio:
Dr. Sebiha Cevik-Kaplan received the B.Sc. degree in Molecular Biology and Genetics from Halic University in 2005. Soon after she completed her BSc degree she joined the Marc Vidal Lab in Dana Farber Cancer Institute, Harvard University, Boston, USA in July 2005 as a research assistant. Subsequently she embarked on her PhD study in the Conway Institute, University College Dublin (UCD), Dublin, Ireland in 2006. Her PhD study aimed at understanding the roles of novel ciliary-related genes in cilia biogenesis using C. elegans as the primary model system. Cilia are an evolutionary conserved organelle from Chlamydomonas, C. elegans, Drosophila, Zebrafish to Human and have become the intensive focus of research owing its direct role in a wide range of human diseases. She got her Ph.D. degree in 2011. She has co-authored numerous conference papers and journals including high rank journals such as Nature, Journal of Cell Biology, Plos Genetics etc.

Selected awards:
- Scholarship from UCD, Dublin, Ireland, 2006-2011.
- ASCB Travel Awards, 5-9 Dec 2009.

Selected publications:
- **Cevik S,** Sanders AA, Van Wij E, Boldt K, , Clarke L, van Reeuwijk J, Hori Y, Horn N, Hetterschijt N, Wdowicz A, Mullins A, Kida K, Kaplan OI, C. van Beersum SE, Man Wu K, Letteboer SFJ, Mans DA, Katada T, Kontani K, Ueffing M, Roepman R, Kremer H & Blacque OE. Plos Genetics, 9(12), e1003977 (2013).
- **Cevik S,** Hori Y, Kaplan OI, Kida K, Toivenon T, Cottell D, Katada T, Kontani K& Blacque OE. J. Cell Biology, 188(6): 953-969 (2010).
- Venkatesan K, Rual JF, Vazquez A, Stelzl U, Lemmens I, Hirozane-Kishikawa T, Hao T, Zenkner M, Xin X, Goh KI, Yildirim MA, Simonis N, Heinzmann K, Gebreab F, Sahalie JM, **Cevik S,** Simon C, de Smet AS, Dann E, Smolyar A, Vinayagam A, Yu H, Szeto D, Borick H, Dricot A, Klitgord N, Murray RR, Lin C, Lalowski M, Timm J, Rau K, Boone C, Braun P, Cusick ME, Roth FP, Hill DE, Tavernier J, Wanker EE, Barabási AL, Vidal M. Nature Methods, 6(1), 47-54 (2009).

SEVİL DİNÇER İŞOĞLU, Associate Professor
Ph.D., Bioengineering, Hacettepe University, Turkey, 2006
sevil.dincer@agu.edu.tr

Research interests:
Biomaterials, polymeric carriers for drug delivery, scaffolds for tissue regeneration, phage display.

Short bio:
Sevil Dinçer İşoğlu received her BSc in Chemistry, MSc and PhD in Bioengineering from Hacettepe University. She has also been a visiting graduate student in University of Washington, Materials Science and Engineering during PhD thesis focused on inorganic-specific peptide selection by phage display and their light-sensitive nanohybrids. She has involved several national and international projects during her MSc and PhD. She has worked as Asistant Professor in Yıldız Technical University beginning from 2006 and has got her Associate Professor degree in 2012 on Biomaterials. She worked as research scholar in University of Michigan on drug delivery and tissue engineering for 1 year. She has focused on amphiphilic polymers, drug/gene carriers and tissue engineering scaffolds, and supervised 6 MSc and 2 PhD thesis until today. She has accomplished 2 TUBITAK, 2 YTU-SRP Projects as PI and also involved in a TUBITAK Project as researcher after PhD. She has 25 publications in SCI/SCI-Exp journals and about 800 citations. Currently, she is working in Abdullah Gul University, Faculty of Life and Natural Sciences, Department of Bioengineering.

Selected awards:
-Postdoctoral research scholar (USA, University of Michigan), TUBITAK, 2014-2015
-FEBS YTF Grant, Matrix Pathobiology, Signalling Pathways and Molecular Targets, conference and theoretical course (Greece), 2007
-FEBS YTF Grant, Towards Clinical Gene Therapy: Preclinical Gene Transfer Assessment Transfer, conference and practical course (Spain), 2004
-FEBS YTF Grant, European School of Gene and Cell Therapy, conference and practical course (France), 2004

Selected publications:
-M. Topuzoğulları, E.V. Bulmuş Zareie, E. Dalgakıran, **S. Dinçer.** Polymer, 55(2), 525-534 (2014)
-Z. Ozdemir, M. Topuzogullari, I.A. Isoglu, **S. Dincer.** Polymer Bulletin, 2857-2872 (2013)
-Z.M.O. Rzaev, **S. Dincer,** E. Piskin. Progress in Polymer Science, 534-595 (2007)

BURAK ASILISKENDER, Associate Professor
Ph.D., Architectural Design, ITU, Turkey, 2008
burak.asiliskender@agu.edu.tr

Research interests:
Architectural Design Theory and History, Urban Development and Policies, Modern Architecture, Industrial Sites, Housing, Identity; Sense of Belonging, Space-Place Concepts, Adaptive Re-Use of Historic Buildings.

Short bio:
Dr. Burak Asiliskender received his BArch degree at Yildiz Technical University. He acquired his MSc and PhD degrees at Istanbul Technical University. Prior to joining AGU School of Architecture in 2012, he worked at Erciyes University and Artuklu University. He is one of the co-founders of the Argeus Architects. He has been founding chair of the AGU School of Architecture. He has designed the restoration projects of several buildings in the AGU Sümer Campus with his colleague Assoc. Prof. Nilüfer Yöney. He has been one of the international members of the DOCOMOMO, EAHN and TICCIH. He had an editorial stuff at TOL, the architectural magazine of UIA Chamber of Architects in Turkey Kayseri Chapter, between 2001-2011. He has several papers, articles on the modernity, identity, space and place concepts, modernization and especially their spatial reflections on Turkey and Kayseri at early times of Turkish Republic, published national and international wide.

Selected awards:
- Member of DOCOMOMO (International Committee for Documentation and Conservation of Buildings, Sites and Neighborhoods of the Modern Movement), since 2004.
- Member of EAHN (European Architectural Historians Network), since 2009.
- Editor, TOL Architectural Magazine (National-wide), 2001-2011.

Selected publications:
- **B. Asiliskender,** "From Industrial Site to University Campus. Sümerbank Kayseri Textile Factory", docomomo Journal, 49, pp.86-89, Barcelona (2014).
- **B. Asiliskender,** B. Ceylan, A.E. Tozoğlu, A.E. (eds.) "Kayseri'nin Yirminci Yüzyılı: Mimarlık, Kent Tarihi ve Kültürü (20th Century of the Kayseri: Architecture, Urban History and Culture)", AGU, Kayseri (2012)
- **B. Asiliskender,** "Discussing 'Modern' on the Basis of Early Republician Heritage in Kayseri", in Cultural Policy and City, Ada, S. (Eds.), pp. 133-140, Boekmanstudies, Amsterdam (2009)

AHMET ERDEM TOZOGLU, Assistant Professor
Ph.D., Architectural History, METU, Turkey, 2013
ahmet.tozoglu@agu.edu.tr

Research interests:
Nineteenth Century architecture and urbanism, Twentieth century architecture, Ottoman Architecture, Architecture of Islamic Societies, Architecture in Turkey, Architectural Historiography, Design Education, First Year Design Studios.

Short bio:
Dr. Ahmet Erdem Tozoğlu received the B.A degree in Interior Architecture and Environmental Design from Bilkent University in 2005. He got his M.A degree and PhD degrees from METU Architectural History program in 2007 and 2013 respectively. In 2011 he was granted ARIT (American Research Institute in Turkey) Fellowship for the Research conducted in Greece for six months. In 2014 he received Best PhD dissertation of the year Award, METU Institute of Social Sciences among more than 600 theses completed in 2013 and he also received Çiğdem Tansel Publication Award from the same institution. He has been working in AGU for two years. He has many conference articles and organized and joined many design workshops in Turkey.

Selected awards:
- Best PhD dissertation of the year Award, METU Institute of Social Sciences.
- Çiğdem Tansel Publication Award, METU Institute of Social Sciences.

Selected publications:
- **Ahmet Erdem Tozoğlu**. "Battle At Ports: Power Struggles Of State And Port Concessıonaıres For Control And Utılızatıon Of The Port Areas In The Levant At The End Of The Nıneteenth Century". 12th EAUH International Conference, Lisbon: September 2014.
- **Ahmet Erdem Tozoğlu,** B. Asiliskender, N.Yöney. "How the Global Issues Become the Core of the Architectural Education: An Integrated Approach by AGU School of Architecture." International Conference, Unspoken Issues in Architectural Education. Famagusta: 2014, pp. 393-398 (ISBN 9789758401918).
- Burak Asiliskender, Burcu Ceylan and **Ahmet Erdem Tozoğlu** (eds.) Kayseri'nin Yirminci Yüzyılı: Mimarlık ve Kent Kültürü (Abdullah Gül Üniversity Press, Kayseri: 2012)

ASIM MUSTAFA AYTEN, Assistant Professor
Ph.D. Public Administration, Urbanization and Environmental Problems,
Ankara University, Faculty of Political Sciences, Turkey, 2002
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Research interests:
Urban planning, Environmental Sciences, Sustainability, Reconstruction and Environment law, Urban Renewal and Transformation, Urban Politics and Government, Urban management, Healthy cities, University Campus areas.

Short bio:
Dr. Asım Mustafa Ayten received the B.Sc. degree in Urban and Regional Planning, METU, Faculty of Architecture 1991. He got his M.Sc. from Gazi University in 1996 and Ph.D. degrees, from Ankara University Political Science and Public Administration Department in 2002. Prior to joining Abdullah Gül University as a faculty of Engineering and Architecture of Bozok University in February of 2012, he worked as a city planner at General Directorate of Cultural and Natural Assets Conservation in Culture Ministry at Ankara between 1992-1996. His research focuses on the urban planning and studies issues, Environmental sciences and ecology, Reconstruction and Environment law, Urban renewal and transformation, Urban politics and Government, Urban management. He has published a book titled on "Health buildings and the City" in 2013. His many international and national papers and articles were published.

Selected publications:
-Dede Okan Murat, **Ayten Asım Mustafa,** 2012, "The role of spatial planning for sustainable tourism development: A theoretical model for Turkey," Tourism Vol: 60, No: 4/2012/431-445 UDC.338.484.502.131.1/71 (560).
- **Ayten Asım Mustafa,** Aşıkkutlu Samet, 2014, "16.-19.Yüzyıllarda İpek Üretimine bağlı olarak Bursa Kentinde Mekansal Gelişim Olgusu" Ege Mimarlık dergisi, sayı: 87, 2014/2 (Eylül) sayfa no: 22-27.
- **Ayten Asım Mustafa,** 2014, "6360 Sayılı Yasa uyarınca Türkiye'de Büyükşehir Belediyesi Yapısı Üzerine Bir Araştırma" İdeal Kent dergisi 13. Sayı, Kent Fragmanları, Temmuz 2014, Ankara, ISSN 1307-9905.

NİLÜFER BATURAYOĞLU YÖNEY, Associate Professor
Ph.D., Architecture/Preservation, Istanbul Technical University, Turkey, 2008
nilufer.yoney@agu.edu.tr

Research interests:

History and theory of conservation, conservation law, architectural and archaeological survey and documentation methods, architectural preservation and restoration, conservation and management plans, archaeological site conservation and presentation, new buildings in historic context, characterization, conservation and repair of traditional and modern building materials, history of architectural materials and technologies, documentation, conservation, restoration and management of industrial and modern architectural heritage, modern housing estates.

Short bio:

N. Baturayoğlu Yöney received her BArch and MSc degrees at METU and her PhD at ITU. She conducted post-doctoral research at UQAM in Canada on the conservation of modern heritage. Prior to joining AGU Faculty of Architecture in 2013 where she is the Chair of the Industrial Design Department, she worked at the ITU Graduate Program in Architectural Preservation. She has designed the restoration projects of several buildings in the AGU Sümer Campus with her colleague Assoc. Prof. Burak Asiliskender. She studies, teaches and extensively publishes on architectural conservation history and theory, conservation law and heritage management, architectural and archaeological survey and documentation methods, architectural, urban, rural and archeological preservation, history, characterization and conservation of traditional and modern building materials and technologies, and the conservation of modern and industrial heritage, focusing especially on modern housing estates. She is a member of ICOMOS, TICCIH and DOCOMOMO, and the Secretary of DOCOMOMO Turkey since 2002. She is fluent in Turkish, English and German.

Selected awards:

- Member of ICOMOS (UNESCO International Council on Monuments and Sites).
- Member of DOCOMOMO (International Committee for DOcumentation and COnservation of Buildings, Sites and Neighborhoods of the MOdern MOvement).
- TUBITAK (The Scientific and Technological Research Council of Turkey) International Post-Doctoral Research Fellowship (2009-2010).

Selected publications:

- U. Tanyeli, Y. Salman, **N. Baturayoğlu Yöney,** E. Omay Polat, The Architectural Guide to Istanbul: Modern and Contemporary, A. Batur (ed), The Chamber of Architects of Turkey, Istanbul, 2006 (ISBN 9753958994).
- A. Ersen, E. Gürdal, A. Güleç, **N. Baturayoğlu Yöney,** I. Polat Pekmezci, İ. Verdön, "An evaluation of the binders and aggregates used in artificial stone architectural elements in late 19th - early 20th centuries", METU JFA, vol. 27, no. 2: 207-221 (2010).
- **N. Baturayoğlu Yöney,** Y. Salman, E. Omay Polat, "Turchia" in Maledetti vincoli: La tutela dell'architettura contemporanea, U. Carughi, M. Visone (eds), Torino: U. Allemandi & C., 2013: 366-368 (ISBN 9788842221968).

VALENTINA BEATINI, Assistant Professor
MS Architecture, University of Genova, Italy, 2007
Ph.D., Architectural design and Structure, University of Parma, Italy, 2012
valentina.beatini@agu.edu.tr

Research interests:
Kinetic structures, transformable architecture, structural art, graphical statics, origami, design and integrated technologies.

Short bio:
Valentina Beatini received her Ph.D. from University of Parma, areas design and structures, and her MS from Universityof Genova, Faculty of Architecture. She is a licensed architect and works in practice alongside her academic activity, co-winning various international design competitions.
She growth her research experience as Post Doc fellow in kinetic structures at Izmir Institute of Technology. Prior to joining Abdullah Gül University, she was Ass.nt Professor at Abant Izzet Baysal University, area design and construction. She conducted various workshops on kinetic structures in Turkey and abroad. She has been designing various kinetic systems for architectural applications. Her current research focuses on kinematic and structural behaviour of foldable plates, contemporary use of graphical statics.

Selected publications:
- **Beatini V,** 2015. Translational method for designing folded plates structures. Int. J.of Space Structures, (30)2.
- **Beatini V,** 2015. Polar method to design folded plates structures. J. of the IASS, 2015, 56(84), pp.125-137.
- **Beatini V,** 2015. Kinetic planar tessellations, IASS Symposium, Future Visions, Amsterdam.

HANDE GÜREL, Assistant Professor
Ph.D., Education, Hacettepe University, Turkey, 1986
hande.gurel@agu.edu.tr

Research interests:
Child Care and Effective Parenting, Emotional Intelligence, Role of Affective Factors on Second Language Learning.

Short bio:
Dr. Hande Gürel received her Bachelor degree in English Language and Literature from Ankara University in 1979. She got her M.Ed. and Ph.D. degrees, both from Hacettepe University, Department of Education, Curriculum Development and Counselling, in 1981 and 1986, respectively. After her undergrad, she worked at Middle East Technical University, Department of Languages as an instructor for 17 years. Later she worked at Bilkent University, International School as a counselor, college counselor, IGSCE and IB Coordinator for 8 years. Prior to joining Abdullah Gül University as Dean of Students in 2014, she worked in American University of Middle East, in Kuwait for a year as the Head of General Education and professor of English. Between 1997-2003 she translated 10 books about Effective Parenting from English to Turkish.

Publication:
- **H.Gurel,** N.Atılgan, 'A Reference Book for Grammar, Reading and Writing, METU, (1995).

Selected translations that are published:
- R. Mc.Kenzie , 'Setting Limits', Çeviren: **H.Gürel,** 'Çocuğunuza Sınır Koyma', HYB Yayıncılık, (2000).
- E.Pantley, 'Hidden Messages', Çeviren: **H.Gürel,** 'Çocuğunuza Gizli Mesajlar', HYB Yayıncılık (2002).
-G. Ketterman, 'Answers to Questions Parents Ask Most', Çeviren: **H.Gürel,** 'Annebabaların En çok Sorduğu Soruların Cevapları', HYB Yayıncılık, (1998).

Ali DURAN, Ph.D., Chemistry, Gaziosmanpasa University, Turkey (2010)

Research interests:

R&D Innovation Policies, Project Management, Technology Transfer and Commercialization, Technology Development Zones, Start-ups, SME's.

Short bio:

Dr. Duran received his B.Sc. degree in Chemical Engineering from Gazi University in 2001. He acquired his M.Sc. degree at Hacettepe University in 2005 and Ph.D. degree at Gaziosmanpasa University in 2010. Prior to joining Abdullah Gül University's Research&Development and Innovation Office (ORDI), he worked as a Small and Medium Enterprise (SME) Expert at KOSGEB Small and Medium Enterprises Development Organization) between 2003-2016. His research focuses on R&D and innovation of innovative firms and developed efficiency prediction model. Dr. Duran has 29 publications.

Selected publications:

A. Duran, M. Tuzen, M. Soylak, Separation and enrichment of gold in water, geological and environmental samples by solid phase extraction on multiwalled carbon nanotubes prior to its determination by flame atomic absorption spectrometry, Journal of AOAC International, 98 (2015) 1733-1738.

A. Duran, M. Tuzen, M. Soylak, Assessment of trace metal concentrations in muscle tissue of certain commercially available fish species from Kayseri, Turkey, Environmental Monitoring and Assessment, 186 (2014) 4619-4628.

A. Duran, M. Tuzen, M. Soylak, Evaluation of metal concentrations in food packaging materials: Relation to human health, Atomic Spectroscopy, 34 (2013) 99-103.

A. Duran, M. Tuzen, M. Soylak, Trace metal concentrations in cigarette brands commonly available in Turkey: relation with human health, Toxicological & Environmental Chemistry, 94 (2012) 1893-1901

A. Duran, M. Tuzen, M. Soylak, Speciation of Cr(III) and Cr(VI) in geological and water samples by ytterbium(III) hydroxide coprecipitation system and atomic absorption spectrometry, Food and Chemical Toxicology, 49 (2011) 1633-1637.

A. Duran, M. Tuzen, M. Soylak, Trace element concentrations of some pet foods commercially available in Turkey, Food and Chemical Toxicology, 48 (2010) 2833-2837.

CENGİZ YILMAZ, Professor of Marketing
Ph.D., Marketing, Texas Tech University, U.S.A., 1999
cengiz.yilmaz@agu.edu.tr

Research interests:

Distribution channels, relationship marketing, inter-firm relationships, cultural and strategic issues concerning intra- and inter-firm aspects of marketing systems and their links with business performance.

Short bio:

Cengiz Yilmaz received his Ph.D. from Texas Tech University in 1999 in the area of Marketing. He served as a faculty member at Gebze Technical University, Boğaziçi University, and Middle East Technical Univesity. He was promoted to associate professorship in 2003 and to full professorship in 2008. Currently, he is the Dean of the School of Leadership and Managerial Sciences at Abdullah Gul University and serves as a committee member at the Social Sciences Consultancy Board at Turkish Scientific and Technological Research Institution (TÜBİTAK). He is the author of "The Rabbit and the Tortoise: An Analysis of Competition (in Turkish) and co-author of "Mobile Marketing: Fundamentals and Strategy." His research has been published in several scholarly journals including Journal of the Academy of Marketing Science, Journal of Business Research, Industrial Marketing Management, Journal of World Business, European Journal of Marketing, Journal of Business and Industrial Marketing, International Small Business Management Journal, Service Business, Journal of Risk Research, International Journal of Advertising, International Journal of Innovation Management, Innovation: Management, Policy & Practice, and Amfiteatru Economic, among many others.

Selected awards:

- Amongst the top three best performing faculty members at Middle East Technical University, Faculty of Economics and Administrative Sciences (three consecutive years 2012, 2013, 2014).
-Superior Achievement in Social Science Research Award, Boğaziçi University Foundation, 2006.
- Best Paper Award: American Marketing Association Winter Marketing Educators' Conference; Sales Force, Channels, and Relationships Track, 2000; San Antonio, TX, U.S.A.

Selected publications:

-**Yilmaz, Cengiz** and Shelby D. Hunt (2001), "Salesforce Cooperation: The Influence of Relational, Task, Organizational, and Personal Factors," Journal of the Academy of Marketing Science, 29, (4), 335-357.
-**Yilmaz, Cengiz,** (2002) "Salesperson Performance and Job Attitudes Revisited: AnExtended Model and Effects of Potential Moderators," European Journal of Marketing, Vol. 36, 11/12, 1389-1414.
- **Yilmaz, Cengiz,** Bülent Sezen and Ebru Tümer Kabadayı, (2004)
"Supplier Fairness as a Mediating Factor in the Supplier Performance-Reseller
Satisfaction Relationship," Journal of Business Research, Vol 57, 8, 854-863.

DİLEK CİNDOGLU, Professor
Ph.D., Sociology, State University of New York at Buffalo
dilek.cindoglu@agu.edu.tr

Research interests:
Sociology of Migration, Work , Democracy, Entrepreneurship, Stratification, and Sexuality and Medicine.

Short bio:
Professor of Sociology and Dean of the Faculty of Humanities and Social Sciences, Abdullah Gül University (since 2015). Previously, she worked at Mardin Artuklu University (2012-2015) as the Acting Dean and Deputy Rector and Bilkent University (1991-2012). She is a graduate of Bogazici University, Istanbul (B.A. and M.A.) and received her Ph.D. (1991) State University of New York at Buffalo, consultant on various research projects funded by national (Tubitak, KSSGM, AAK) and international (IDRC, Ford Foundation, World Bank, ILO-IPEC,EU) bodies, serves as an elected Executive Committee member at Turkish Sociological Association, (TSA) 2008-2014 and International Sociological Association (ISA) 2010-2018.

Selected awards:
- "Reflections of the Syrian Crisis on Turkey", TUBİTAK, co-investigator, 2015-2017
- "New Capital and Conservatism: Anatolian Tigers from the Perspective of Everyday Life Sociology", TUBİTAK principle investigator, 2014-2016
- "Young, Professional Veiled Pious Women in Changing Turkey", TESEV principle investigator, 2010
- "Gender, Migration and Intercultural Interactions in the Mediterranean and South East Europe: An Interdisciplinary Perspective", principle investigator, 2007-2010
- Collaborative Research Grant Partner, Coordinator, EU 7th Framework Program, SSH-2007- 3, 3-01,
- Fulbright Visiting Specialist Program, "Direct Access to the Muslim World" Award, Miami University at Ohio, 2006
- St. Anthony's College, Senior Scholar Award, Oxford, AUB and Oxford Program on Sexuality in the Middle East, sponsored by the Ford Foundation, 2001
-Fulbright Post-Doctoral Fellowship, University of Wisconsin Madison Women's Studies Research Center Honorary Fellow Women's Studies Program, USA, 1998

Selected publications:
- **Cindoglu, Dilek** and Didem Ünal, (2015) "Gender in Political Sex Scandals in Contemporary Turkey: Women's Agency and the Public Sphere" (4) in Journal of Women, Politics and Policy
- Unal, Didem and **Dilek Cindoglu** (2013), "Reproductive Citizenship in Turkey; Abortion Chronicles" in Women Studies International Forum, Vol 38, May-June 2013, 21-31
- **Cindoglu, Dilek** Headscarf Ban and Discrimination: Professional Headscarved Women in the Labor Market, TESEV Publications, 2010 (Turkish) and 2011 (English)

DERYA BÜYÜKTANIR, Assistant Professor
Ph.D., Economics and the International Relations of the European Union-International Relations, Ankara University, Turkey, 2013
derya.buyuktanir@agu.edu.tr

Research interests:
European Union, state-business relations, civil society, conflict management and peacebuilding, global governance.

Short bio:
Derya Büyüktanır received two master's degrees, one from the European Studies Program at Middle East Technical University (METU), and the other from the Turkey-EU Relations Department at Gazi University. She worked as a research fellow at Middle East Technical University in the Center of Excellence Project, supported by the European Commission. After earning her Ph.D. from Department of the Economics and the International Relations of the European Union at Ankara University, she worked as a visiting researcher at Georgetown University in the USA for one year. Apart from her academic works, she has actively worked in civil society organizations and had over 13 years of working experience on different national and international projects as a coordinator, trainer, or participant. She has attended various national and international conferences and published articles in books and journals.

Selected awards:
- August 2014-August 2015, USA: Visiting Researcher at Georgetown University (TUBITAK) September 2010-February 2011, Czech Republic: Research at Charles University in Prague- (European Commission)
-June 2005, England: Research at Oxford, Cambridge and Sussex Universities (Center of Excellence Project-European Commission)

Selected publications:
- **Derya Büyüktanır,** "Legal Personality of the European Union in the Context of External Relations and the Lisbon Treaty", Uluslararası İlişkiler (SSCI), Vol. 7, No. 27 (Fall 2010), 87-110.
Derya Büyüktanır, "Changing Patterns in Turkey-EU Relations: From Association to Full Membership" in Belgin Akçay and Şebnem Akipek (eds.), Turkey's Integration into the European Union, NewYork, Toronto, Boylder, Lanham, Plymouth, Lexington Books, 2013,1-30.
- **Derya Büyüktanır,** "Conservative and Islamically-oriented Businessmen Associations In Turkey As Norm Diffuser Actors: The Case of MUSIAD", International Academy of Business Review (IABR), (ISSN:2332-8388), Vol.1, No.1, Winter 2015, 21-34.
- **Derya Büyüktanır,** "Toplumsal İnşacı Yaklaşım ve AB Bütünleşmesinin Açıklanmasına Katkıları", Avrupa Çalışmaları Dergisi, Vol.15, No.1, 2016.

Eyüp DOĞAN, Assistant Professor
Ph.D. in Economics, Clemson University, USA, 2014
eyup.dogan@agu.edu.tr

Research interests:
Economic Growth, Energy and Economics, Environmental Economics, Applied Econometrics

Short bio:
Dr. Eyüp Doğan is currently working as an Assistant Professor of Economics in the Department of Economics at Abdullah Gül University (AGU). After he earned a full scholarship for a graduate study in abroad provided by the Turkish Government, he received his M.A. and Ph.D. in Economics from Clemson University, USA, in 2012 and 2014, respectively. Prior to joining to the faculty of AGU, he worked at Niğde University for 4 months. His fields of interest are energy economics and environmental economics in which the relationship among macro-variables of the economy, energy consumption and environmental indicators are investigated. He has published about 10 articles at high-ranked international journals and attended several international conferences.

Achievements, awards, highlights, and honors:
- Full Scholarship - Turkish Government (2009-2014)
- Research Assistant - Clemson University (2013-2014)
- Best Research Paper - Clemson University (2014)

Selected publications:
- **Dogan, E.** (2016). The Relationship between Economic Growth, Energy Consumption and Trade. Bulletin of Energy Economics, 4(1), 70-80.
- **Dogan, E.,** Seker, F., Bulbul, S. (2015). Investigating the impacts of energy consumption, real GDP, tourism and trade on CO2 emissions by accounting for cross-sectional dependence: A panel study of OECD countries. Current Issues in Tourism, 1-19.
- **Dogan, E.,** Turkekul, B. (2015). CO2 emissions, real output, energy consumption, trade, urbanization and financial development: testing the Kuznets Hypothesis for the USA. Environmental Science and Pollution Research, 1-11.

HEIKO SCHUSS, Assistant Professor
Ph.D., Economics, Friedrich-Alexander-University Erlangen-Nuremberg, Germany, 2006
heiko.schuss@agu.edu.tr

Research interests:
Institutional Economics, Development Economics, Culture and Economy, Economy of Turkey and the Middle East, Islamic Economics and Islamic Finance.

Short bio:
Dr. Heiko Schuss received both his Diploma in Economics and Business Administration and his MA in Oriental Philology, Islamic Studies and Economics from Ruhr-University Bochum, Germany, in 1996. He acquired his PhD degree at Friedrich-Alexander-University Erlangen-Nuremberg, Germany, in 2006. Prior to joining Abdullah Gül University's Department of Economics in 2014, he worked as assistant at the Friedrich-Alexander-University Erlangen-Nuremberg between 2001 and 2013. His research focuses on the economic development of Turkey and the Middle East taking into consideration the historical, social, and cultural background factors. He also does research on Islamic Finance and Islamic Economics. He has authored several publications and presented numerous papers on these topics at national and international conferences.

Selected publications:
- **H. Schuss,** "Ökonomische Aspekte der islamischen Pilgerfahrt", (The Economic Aspects of the Islamic Pilgrimage), in Herbers, Klaus; Lehner, Hans Christian (ed.): Unterwegs im Namen der Religion/On the Road in the Name of Religion: Pilgern als Form von Kontingenzbewältigung und Zukunftssicherung in den Weltreligionen/Pilgrimage as a Means of Coping with Contingency and Fixing the Future in the World's Major Religions, Stuttgart, pp. 85 – 93 (2014)
- **H. Schuss,** "Wirtschaftliche Entwicklung von der Gründung der Republik bis heute", (The Economic Development from the Foundation of the Republic until today), in: Steinbach, Udo (ed.): Länderbericht Türkei, Schriftenreihe der Bundeszentrale für Politische Bildung, Federal Agency for Civic Education, Bonn, pp. 328–368 (2012)
- **H. Schuss,** "Wirtschaftskultur und Institutionen im Osmanischen Reich und der Türkei: Ein Vergleich institutionenökonomischer und kulturwissenschaft-licher Ansätze zur Erklärung der wirtschaftlichen Entwicklung", (Economic Culture and Institutions in the Ottoman Empire and in Turkey: A Comparison of Institutional Economics and Cultural Economics in order to explain Economic Development), Schiler

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