

# BAYRAM ARDA KUŞ

Gaziantep, Turkey, 27100 | +90 (530) 284-7121 | akus@ilbank.gov.tr  
[Dr. Bayram Arda KUŞ | LinkedIn](#) | [Bayram Arda Kuş \(researchgate.net\)](#)

---

## EXPERIENCE

### **Ph.D. Technical Specialist**

**Bank of Province (ILBANK), Turkish Government, Turkey**

**August 2011-August 2021**

- I have a strong engineering background for several areas which can be summarized as urbanization: railway signaling, wastewater treatment plant modeling, control and simulations, infrastructural control systems (drinking water, wastewater), energy, control systems and simulations. I have managed lots of projects on these fields, for almost the last 10 years in government side. That is an important experience for following bureaucratic procedures in public administration as well. Regulations, contracts, technical documentation, work plan, side surveys, document reviews and correspondence are the expertise fields for me. I have academic degrees for both engineering and public administration.

### **Signaling Specialist**

**GETİNSA, Turkish Government, Gaziantep, Turkey**

**August 2011-August 2021**

- I worked as a Signaling and telecommunication engineer for the project of “Consultancy services for construction supervision of the supply & installation of a traffic management system and station loop extensions for the line sections of Boğazköprü - Yenice and Mersin-Toprakkale”

### **Signaling Engineer**

**E+M, Gaziantep Municipality Light Tram Project, Gaziantep, Turkey**

**August 2011-August 2021**

- I worked as a Signaling and High voltage and power engineer for the project of “Construction of Gaziantep Municipality Light Railway Tram System”

## TECHNICAL SKILLS

- For the related fields, I desire to use my experiences as a consultant. I believe that there should be an equilibrium between bureaucracy and technics. I want to involve in the projects with my related experiences.

## SOFT SKILLS

- Presentation and Interpersonal Skills: Gave multitude of oral presentations at international conferences and interacted with many engineers, technicians, customer service, sales and marketing representatives.
- Project Management skills: Led many research projects simultaneously and mentored students while maintaining ability to prioritize tasks.
- Written Communication Skills: Wrote technical reports, journal articles and book chapters.
- Self-motivation: Productive and team-oriented engineer committed to maintain curiosity and passion to continuously improve technical knowledge.

## **EDUCATION**

### **Ph.D. in Electrical and Electronics Engineering**

Gaziantep University, Gaziantep, Turkey

**September 2020**

**GPA: 3.87**

### **Master of Engineering in Electrical and Electronics Engineering**

Gaziantep University, Gaziantep, Turkey

**December 2012**

**GPA: 3.8**

### **Bachelor of Science in Chemical Engineering**

Gaziantep University, Gaziantep, Turkey

**August 2010**

## **AWARDS, GRANTS AND HONORS**

- 2009 Research and Development (R&D) Competition 1st degree among the Gaziantep with the “solar tracking panels (SUNFLOWER-AYÇİÇEĞİ)” project. Gaziantep University gifted me a notebook computer.
- 5th Energy Summit Organization in 2014 Research and Development (R&D) Competition 3th degree among the TURKEY, with the project named as “The solutions on Gaziantep Light Tram to increase efficiency and reliability of the system”. The organizer side of the Summit, Hasan Kalyoncu University honored me with 1000 TL.
- The leadership of an aid campaign (with the content; writing materials, clothes and other essentials) for the primary school students in the South-East of Turkey in 2008, (Doğukardı Mezrası-Diyarbakır) and the children sent me lots of thank you letter.
- I am interested in photography and my photographs exhibited in different exhibitions in Turkey, and I have a personal web site, [www.ardakus.com](http://www.ardakus.com), for publishing in internet-media some of those photographs.

## **SELECT PUBLICATIONS**

### **Indexed Journal Papers**

B. A. Kuş and T. Kara, “Modeling and simulation of an optimal unified tank model for aeration-sedimentation processes in wastewater treatment plants,” J. Water Process Eng., vol. 37, p. 101487, Oct. 2020.

### **Conference Papers and Presentations**

- Kuş B. Arda, Kara Tolgay, Modelling and Simulation of an Alternative Aeration Process Structure in Wastewater Treatment Plants (Abstract): 5th International Conference on Engineering and Natural Sciences (ISPEC 2019) TÜRKİYE, VAN, 20.12.2019.
- Kuş B. Arda, Kara Tolgay, Optimization of Aeration Tank Design for Efficient Operation of Wastewater Treatment Plants: 5th International Conference on Engineering and Natural Sciences (ISPEC 2019) TÜRKİYE, VAN, 20.12.2019.
- Kuş Bayram Arda, Kara Tolgay, Wastewater Treatment Plant Modeling and Simulation with Control Purposes: International Conference on Applied Mathematics in Engineering (ICAME’18) TÜRKİYE, Balıkesir, 27.06.2018.
- Kara T. & KUŞ B. Arda, DDS and Speed Optimization Solutions for Enhancement of Operational Efficiency in the City of Gaziantep Urban Railway Transportation System, International Congress on Advanced Railway Engineering, İstanbul 2015.
- KUŞ B. Arda, Speed optimization and DDS-on board solutions to increase the operational efficiency of Gaziantep Light Tram: İlbank Technical Specialist Education Programme, Technical Specialist Thesis. Gaziantep 2014.
- Koraşlı C. & Kuş B. Arda ‘Türkiye de Kullanılan Tren Kontrol Sistemlerinin Birleştirilmesi ile Oluşturulması Önerilen Türkiye Tren Kontrol Sistemi (TTKS) Kavramı İçerisinde Bir Alt Sistem Olarak: Yenilikçi Bariyerli Hemzemin Geçit Tasarımı’, 2nd International Symposium on Railway System Engineering. Karabük 2013.

Updated August, 2021