

G. SIRIN USTABASI

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EDUCATION

Istanbul Technical University

2018 — ongoing

Graduate School of Science Engineering and Technology – Chemistry (PhD)

Istanbul Technical University

2015 — 2017

Graduate School of Science Engineering and Technology – Chemistry (MSc, GPA: 3,56)

Istanbul Technical University

2011 — 2015

Faculty of Arts and Science – Chemistry (GPA:3,32)

Earned scholarship from Turkish Education Foundation (TEV).

Enka High School

2007 — 2011

Won 100% scholarship

PUBLISHED ARTICLES

1. Baysal, A., Saygin, H., Ustabasi, G. S. (2019) Physicochemical transformation of ZnO and TiO₂ nanoparticles in sea water and its impact on bacterial toxicity. *Environ. Health Eng. Manag.* 6(1):73-80.
2. Baysal, A., Saygin, H., Ustabasi, G. S. (2019) Influence of Al₂O₃ Nanoparticles on the Soil Elements. *Bull. Environ. Contam. Toxicol.* 102:98.
3. Baysal, A., Saygin, H., Ustabasi, G. S. (2018) Influence of environmental media on carbon nanotubes and graphene nanoplatelets towards bacterial toxicity. *Arch. Environ. Prot.* 44(3):85-98.
4. Baysal, A., Saygin, H., Ustabasi, G.S. (2018) Interaction of PM_{2.5} particulates with ZnO and TiO₂ nanoparticles and their effect on bacteria. *Environ. Monit. Assess.* 190:34.
5. Baysal, A., Baltacı, H., Özbek, N., Destanoğlu, O., Ustabasi, G. S., Gumus, G. (2017) Chemical characterization of surface snow in Istanbul (NW Turkey) and their association with atmospheric circulations, *Environ. Monit. Assess.* 189(6):275.
6. Özbek, N., Ustabasi, G.S., and Akman, S. (2015) Direct Determination of Lead in Plastic Toys by Solid Sampling High Resolution – Continuum Source Graphite Furnace Absorption Spectrometry, *J. Anal. At. Spectrom.* 30: 1782-1786

WORK EXPERIENCE

Istanbul Aydin University

2/11/2015 — ongoing

E-5 Highway Sefaköy/Küçükçekmece

- Research Assistant

Working as the assistant of the head of Medical Laboratory Techniques programme; contributing research projects, designing and running experiments, taking part in student laboratories for biochemistry, accreditation-validation for medical laboratories, and introduction to medical laboratory applications classes.

Istanbul Technical University

9/23/2014 — 4/29/2015

Ayazağa Maslak/Istanbul

- Part-Time Research Assistant

Worked as research assistant in general chemistry laboratories for engineering students. Responsible for keeping student records, grading student works, and teaching them basic chemistry experiments.

Tisan Mühendislik Plastikleri

6/2/2014 — 8/29/2015

Ekişioğlu Mah. Yavuz Selim Cad. 86.Sok. No:4 Alemdağ/Istanbul

- Intern

Worked at R&D department as an intern for a month, then continued working as the assistant of the R&D specialists for two more months. Did researches on various polymer types, additives, and dyes; tested the pilot products in collaboration with quality control laboratory, and reported the results to the head of the R&D department for 6 months in total.

Istanbul Technical University

3/6/2013 — 6/28/2013

Ayazağa Maslak/Istanbul

- Intern

Worked at the atomic absorption laboratory for the analysis of trace elements (like Pb, Cd, Ni) using Atomic Absorption Spectrometry techniques and instruments.

PERSONAL PROFILE

- **Computer Skills:** Microsoft Office 2016 – all core programs, MATLAB, CHEMCAD.
- **Languages:** English – Advanced, German – Beginner, Turkish – Native.
- **Certificates & Presentations:**
 - Certificate of Success from TEV (four years in a row).
 - Colloquium Spectroscopium Internationale XL (June 11-16 2017 Pisa, Italy) – Oral presentation
 - 1st International Balkan Chemistry Congress (September 17-20 2018 Edirne, Turkey) – Oral presentation