

## Res. Asst. PhD MELEK GÜÇOĞLU

### Personal Information

**Office Phone:** +90 312 297 7966 Extension: 7966

**Email:** melekalp@hacettepe.edu.tr

**Web:** <https://avesis.hacettepe.edu.tr/melekalp>

**Address:** HACETTEPE ÜNİVERSİTESİ, KİMYA BÖLÜMÜ, BEYTEPE KAMPÜSÜ, ÇANKAYA/ANKARA

### Education Information

Doctorate, Hacettepe University, Fen Fakültesi, Kimya Bölümü/Analitik Kimya Anabilim Dalı, Turkey 2011 - Continues

Postgraduate, Hacettepe University, Fen Fakültesi, Kimya Bölümü/Analitik Kimya Anabilim Dalı, Turkey 2008 - 2011

Undergraduate, Hacettepe University, Eğitim Fakültesi, Matematik Ve Fen Bilimleri Eğitimi Bölümü/Kimya Eğitimi Anabilim Dalı, Turkey 2002 - 2008

### Research Areas

Chemistry, Analytical Chemistry, Atomic and Molecular Spectroscopy, Emission Spectroscopy, Sample preparation, Spectroscopical Methods, Natural Sciences

### Academic Titles / Tasks

Research Assistant, Hacettepe University, Fen Fakültesi, Kimya Bölümü, 2010 - Continues

### Published journal articles indexed by SCI, SSCI, and AHCI

- Adsorption of Pb(II), Cu(II), Cd(II), Ni(II), and Co(II) ions by newly synthesized 2-(2'-Hydroxyphenyl)Benzothiazole-functionalized silica**  
GÜÇOĞLU M., ŞATIROĞLU N.  
JOURNAL OF MOLECULAR LIQUIDS, vol.348, 2022 (SCI-Expanded)

### Articles Published in Other Journals

- Preconcentration of Arsenic in Water Samples Using the Composition-Induced Phase Separation Method and Determination by ETAAS**  
GÜÇOĞLU M., Efeçinar M., ŞATIROĞLU N.  
E3S Web of Conferences, vol.1, pp.37002, 2013 (Peer-Reviewed Journal)

### Refereed Congress / Symposium Publications in Proceedings

- A novel fluorometric chemosensor for the selective, qualitative and quantitative detection of cyanide ions in water samples**

GÜÇOĞLU M., ŞATIROĞLU N.

6th International Eurasian Conference on Biological and Chemical Sciences (EurasianBioChem 2023), Ankara, Turkey, 11 - 13 October 2023

**II. Age Estimation of Blood Stains Using Reflectance Spectroscopy**

GÜÇOĞLU M., ŞATIROĞLU N.

III. INTERNATIONAL SECURITY CONGRESS (Criminalistics and Criminology) 2023, Ankara, Turkey, 28 - 29 September 2023

**III. A new Schiff-base chemosensor for detection of metal ions in aqueous solution**

GÜÇOĞLU M., Gümrah Ö., ŞATIROĞLU N.

5th International Eurasian Conference on Biological and Chemical Sciences (EurasianBioChem 2022), Turkey, 23 November 2022

**IV. Sensitive and Selective Spectrophotometric Determination of Cyanide by A New Benzothiazole Compound**

ŞATIROĞLU N., GÜÇOĞLU M., ÖZBAY T.

4th International Environmental Chemistry Congress (EnviroChem-2022), Antalya, Turkey, 30 September 2022

**V. Synthesis, Characterization and Adsorption Properties of Silica Gel-immobilized 2-(2'-xx-Hydroxyphenyl)Benzothiazole**

ŞATIROĞLU N., GÜÇOĞLU M.

2nd International Environmental Chemistry Congress (EnviroChem), 31 October - 03 November 2019

**VI. Determination of Formaldehyde by Spectrophotometric Method Based on Dual Reaction System**

ŞATIROĞLU N., GÜÇOĞLU M.

2nd International Environmental Chemistry Congress (EnviroChem), 31 October - 03 November 2019

**VII. 2-(2'-Hydroxyphenyl) Benzothiazole-Functionalized Silica for Removal of Pb(II), Cu (II) and Ni (II) Ions From Water Samples**

GÜÇOĞLU M., ŞATIROĞLU N.

Euroanalysis XX Conference 2019, İstanbul, Turkey, 1 - 05 September 2019

**VIII. Preconcentration and Speciation of As(III) and As(V) Using Ternary Solvent System and Determination with ET-AAS**

GÜÇOĞLU M., ŞATIROĞLU N.

5th International Conference on Materials Science and Nanotechnology for Next Generation (MSNG2018), Nevşehir/Cappadocia, Turkey, 4 - 06 October 2018

**IX. Eser Miktarında Arseniğin Sulu Örneklerde Mikroekstraksiyonu ve GFAAS ile Tayini**

Efeçinar M., GÜÇOĞLU M., ŞATIROĞLU N.

I. Eser Analiz Çalıştayı, Denizli, Turkey, 22 - 25 May 2010

**X. Microextraction Of Trace Arsenic In Water Samples And Determination By GFAAS**

GÜÇOĞLU M., Efeçinar M., ŞATIROĞLU N.

5th Black Sea Basin Conference on Analytical Chemistry, Ordu-Fatsa, Turkey, 23 - 26 September 2009

## Supported Projects

ŞATIROĞLU N., BOLAT G., YAMAN Y. T., ARSEVEN YAŞACAN M., GÜÇOĞLU M., Project Supported by Higher Education Institutions, Sentetik Kannabinoid ve Katinonların Hızlı Ucuz ve Yüksek Performanslı Tayinine Yönelik Nanosensörlerin Hazırlanması, 2017 - 2020

## Metrics

Publication: 12