

ÖMER FARUK TUTAR

Birth Date and Place: 11.08.1993 Sakarya, Türkiye

Title: Lecturer

State of Education: PhD Candidate

Current Instituion: Istinnye University, Vocational School of Health Care Services, Pharmacy Services

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Education:

Degree	Department	University	Date
Bachelor's Degree	Faculty of Engineering Chemistry	Istanbul University	2011-2016
Master's Degree	Faculty of Science Analytical Chemistry	Sakarya University	2016-2019
PhD (present)	Faculty of Science Analytical Chemistry	Sakarya University	2019-present

Theses:

Master's Thesis Title and Advisor: Investigation of pigments extracted from *Phytolacca americana* plant for applications in dye-sensitized solar cells (2016-2019)
Prof.Dr. İlkay Şişman

PhD Thesis Title and Advisor: Investigation of the use of synthetic and natural dyes in solar cells and photodegradation processes (2019-Present)
Prof.Dr. İlkay Şişman

Job Title	Name of Institution	Date
Director	Istinnye University CoreLab (Center Laboratory)	2022-Present
Manager	Istinnye University Scientific and Technological Research Application and Research Center	2021-2023

Fellowships And Awards:

YÖK 100/2000 PhD Scholar, Smart and Innovative Materials Field, **2019- 2023**

TÜBİTAK Project Undergraduate Scholar "*Mikrodalga Destekli Suzuki-Miyaura Kenetleme Reaksiyonları ile Çok Yönlü ve Çok Amaçlı Özelliklere Sahip Ninhidrin Türevli Bileşiklerin Sentezi, Fotofiziksel ve Elektrokimyasal Özelliklerinin Araştırılması*" (TÜBİTAK Kimya Biyoloji Araştırma Grubu, KBAG/114Z176), **2014-2016**

Certified Training Programs Attended

- Liquid Chromatography Mass Spectroscopy Device Training (LCMSMS), ABSciex, 3200 API QTRAP, **24 March, 2022**
- Atomic Absorption Spectroscopy Device Training (AAS), Analytik Jena **22 December, 2021**
- Isothermal Titration Calorimetry (ITC), Malvern Peaq ITC Training **11 March, 2020**
- Zeta Potential Meter Training, Malvern ZetaSizer Nano ZS **24 February, 2020**
- Fluorescence Spectrophotometer Device Training, Jasco FP8300, 22 November, 2019
- UV-Vis Spectrophotometer Device Training, Jasco V730 BIO, **22 November, 2019**
- FT-IR Spectrometer Device Training, Jasco FT/IR-4600, **22 November, 2019**
- Gas Chromatography (GC) Perkin Elmer Glarus 590 Model Training **15-16 September, 2018**

Undergraduate and graduate courses I have given in the last 2 years;

Academic Year	Semester	Course	Weekly Course Hours		Number of Students
			Theoretical	Practical	
2021-2022	Fall	General Chemistry	3		60
	Spring				
2022-2023	Fall	General Chemistry	3		68
	Spring				

Memberships to Scientific Organizations:

International Humic Substance Society (IHSS)

Member of the Chemists Association and University Representative

Turkish Chemists Society

Publications

A. Articles published in internationally refereed journals (SCI, SCI-Expanded):

1. Bodur, S., Erarpat, S., **Tutar, Ö. F.**, & Bakırdere, S. (2023). Spray assisted preconcentration method combined with HPLC–Continuous flow hydride generation–FAAS for inorganic arsenic speciation in olive oil samples. *Journal of Food Composition and Analysis*, 123, 105531.
2. Yılmaz, R. F., Derin, Y., Mısır, B. A., Atalay, V. E., **Tutar, Ö. F.**, Ökten, S., & Tutar, A. (2023). Synthesis and spectral properties of symmetrically arylated BODIPY dyes: Experimental and computational approach. *Journal of Molecular Structure*, 135962.
3. Bodur, S., Erarpat, S., **Tutar, Ö. F.**, & Bakırdere, S. (2023). A simple spray assisted extraction/preconcentration of cadmium from sunflower oil, olive oil and hazelnut oil samples prior to flame atomic absorption spectrometry determination. *Journal of Food Composition and Analysis*, 117, 105144.
4. Islam, M. Z., Shahinuzzaman, M., Yılmaz, R., Rahman, H., Derin, Y., **Tutar, Ö. F.**, & Tutar, A. (2021). Chemical Composition of Essential Oil and In Vitro Biological Activities of *Dryopteris marginalis* L. *Current Pharmaceutical Analysis*, 17(4), 520-527.

5. Güzel, E., Arslan, B. S., Durmaz, V., Cesur, M., **Tutar, Ö. F.**, Sarı, T., ... & Şişman, İ. (2018). Photovoltaic performance and photostability of anthocyanins, isoquinoline alkaloids and betalains as natural sensitizers for DSSCs. *Solar Energy*, 173, 34-41.

B. Assertions present in international scientific congresses and published in the proceeding:

1. Bodur, S. Erarpat, S., **Tutar, Ö.F.**, Bakırdere, S., "A new analytical approach for inorganic arsenic speciation in olive oil samples: A simple extraction method combined with high performance liquid chromatography – continuous flow hydride generation – flame atomic absorption spectrometry", 19th Asian Chemical Congress, **9- 14 July 2023, İstanbul, Türkiye.**
2. **Tutar, Ö. F.**, Şişman İ, Nebioğlu M, Güzel E, Arslan B.S., Durmaz V., Tutar A. "Betalain from *Phytolacca Americana* as a Natural Photosensitizer for Dye-Sensitized Solar Cells (DSSCs) "1.Uluslararası Doğal Bilimlerde ve Mühendislikte Yenilikler Konferansı, **Cyprus, 3-6 January, 2018.**
3. Tutar, A., Yılmaz, R. F., Derin, Y., Albayrak, B., Ökten, S., **Tutar, Ö. F.**, "Synthesis of Ninhydrin Based BODIPY Dyes", "Müasir Təbiət Elmlərinin Aktual Problemləri, Beynəlxalq Elmi-Praktik Konfrans, **Gəncə Dövlət Universiteti, Gəncə, Azərbaycan, 04-05 May 2017** (Sözlü Sunum).
4. Tutar, A., Yılmaz, R. F., Derin, Y., Albayrak, B., **Tutar, Ö. F.**, "4,4-Diflor-8-Süstitüe-1,3,5,7-tetrametil-4-bor-3a,4a-diaza-s-indasen (BODIPY) Sentezi", III. Ulusal Organik Kimya Kongresi, **Karadeniz Teknik Üniversitesi, Trabzon, 05-08 September 2016.**
5. Baydilek, İ. H., Yılmaz, R., F., Derin, Y., **Tutar, Ö., F.**, Tutar, A., "Photobromination of Monobromoindanones and Facile Synthesis of 5-bromo-2,2- dimethoxyindan-1,3-dione", 2nd International Turkic World Conference on Chemical Sciences and Technologies, **Skopje, Macedonia, 26 October-30 October 2016,** (Sözlü Sunum)
6. Yılmaz, R. F., Baydilek, İ. H., **Tutar, Ö. F.**, Derin, Y., Tutar, A., "Synthesis, Characterization, Photophysical and Electrochemical Properties of 4,4-Fluoro-8-ethyl-3,5-bis(4'-ethylphenyl)-4-bora-3a,4a-diaza-s-indancene (BODIPY)", 1st International Turkic World Conference on Chemical Sciences and Technologies, **Sarajevo, 27 October-01 November 2015.**
7. Yılmaz, R. F., Baydilek, İ. H., **Tutar, Ö. F.**, Ökten, S., Tutar, A., "Synthesis, Characterization, Photophysical and Electrochemical Properties of 4,4-Fluoro-8-(4'-bromophenyl)-3,5-bis(4-trifluoromethoxyphenyl)-4-bora-3a,4a-diaza-s-indancene (BODIPY)", 1st International Turkic World Conference on Chemical Sciences and Technologies, **Sarajevo, 27 October-01 November 2015.**
8. Yılmaz, R. F., Tutar, A. ve **Tutar, Ö. F.**, "İnden Diepoksitin Sentezi ve Yapısının Aydınlatılması", II. Ulusal Organik Kimya Kongresi, **Ankara, 24-26 September, 2014.**

C. Assertions presented in national scientific congresses and published in the proceedings:

1. Yılmaz, R. F., Tutar, A., Baydilek, İ. H., ve **Tutar, Ö. F.**, "2, 3, 5-Tribrom-1*H*-İnden-1-on'un Yüksek Sıcaklık Fotobrominasyonu ile Kolay ve Etkin Sentezi", 27. Ulusal Kimya Kongresi, **Çanakkale, 23-28 August 2015.**
- 2.

D. References

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