



**AR-GE LABORATUVARLARI FAALİYET FORMU-2017**

**KOCAELİ MESLEK YÜKSEKOKULU, KİMYA VE KİMYASAL İŞLEME  
TEKNOLOJİLERİ BÖLÜMÜ**

**2017 YILI ADSORPSİYON VE ADSORBENT GELİŞTİRME AR-GE LABORATUVARI  
ETKİNLİKLERİ**

**Laboratuvarın Adı:** Adsorpsiyon ve Adsorbent Geliştirme Ar-Ge Laboratuvarı

**Laboratuvarın Koordinatörü:** Dr. Öğr. Üyesi Fatma OĞUZ ERDOĞAN

**Yürütülen Projeler:**

1. Kanserojen Etkiye Sahip Bazı Gıda Boyalarının Nanotüp Üzerine Adsorpsiyonunun İncelenmesi (BAP, 2016/019 HD).
2. Zeolit Üzerine CO<sub>2</sub> Adsorpsiyonu (BAP, 2017/57 HD).

**Yayın Listesi:**

1. Comparison of Textile Dye Adsorption Properties of Low-Cost Biowaste Adsorbents, Journal of Textiles and Engineer, Fatma OĞUZ ERDOĞAN, 2017, 24 (107): 181-187.
2. Düşük Maliyetli Adsorbentler Üzerine Dispers Sarı 211 Tekstil Boyasının Adsorpsiyonu, Afyon Kocatepe Üniversitesi Fen ve Mühendislik Bilimleri Dergisi, Fatma OĞUZ ERDOĞAN, 2017, 17 (031202): 889-898.

## **Uluslararası Bildiri Listesi:**

1. Adsorption of Sunset Yellow FCF onto MCM-41, ISTEK International Science and Technology Conference, Fatma Oguz Erdogan; Taner Erdogan, July 17-19, 2017, Berlin, GERMANY.
2. An Experimental and Computational Study on the Synthesis of 1-(2-Phenyl-2-Phenylhydrazineylidene ethyl)-1H-Imidazole, ISTEK International Science and Technology Conference, Taner Erdogan; Fatma Oguz Erdogan, July 17-19, 2017, Berlin, GERMANY.
3. Comparison of Cornelian Cherry Stones Activated Carbon with Carbon Nanotubes for Food Dye Adsorption, 3rd International Turkic World Conference on Chemical Sciences & Technologies (ITWCCST-2017), Fatma Oguz Erdogan; Taner Erdogan, 10-13 Sep 2017, Baku, Azerbaijan.
4. Adsorption of N<sub>2</sub> and CO<sub>2</sub> on Various Zeolites, 3rd International Turkic World Conference on Chemical Sciences & Technologies (ITWCCST-2017), Fatma Oguz Erdogan; Taner Erdogan, 10-13 Sep 2017, Baku, Azerbaijan.
5. Farklı Gözenek Yapısındaki Adsorbentler Üzerine Hidrojen Adsorpsiyonu, International Mediterranean Science and Engineering Congress (IMSEC2017), Fatma Oguz Erdogan, October 25-27, Adana, TURKEY.
6. Boya Adsorpsiyonunda Düşük Maliyetli Adsorbentlerin Karşılaştırılması, International Mediterranean Science and Engineering Congress (IMSEC2017), Fatma Oguz Erdogan, October 25-27, Adana, TURKEY.
7. An Experimental and Computational Study on the Synthesis of 1-(2-Phenyl-2-Phenylhydrazineylidene ethyl)-1H-Imidazole, International Mediterranean Science and Engineering Congress (IMSEC2017), Taner Erdogan; Fatma Oguz Erdogan, October 25-27, Adana, TURKEY.