

## Asst. Prof. DİLA KAYA

### Personal Information

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### Education Information

Doctorate, Yıldız Teknik Üniversitesi, Fen Bilimleri Enstitüsü, Fizikokimya, Turkey 2012 - 2016

Post Graduate, Yıldız Teknik Üniversitesi, Fen Bilimleri Enstitüsü, Fizikokimya, Turkey 2009 - 2012

Under Graduate, Yıldız Teknik Üniversitesi, Fen Edebiyat Fakültesi, Kimya, Turkey 2005 - 2009

### Foreign Languages

English, C1 Advanced

### Dissertations

Doctorate, Sudaki Organik Boyar Maddelerin Polimerik Reçineler Üzerine Kesikli ve Sürekli Sistemden Adsorpsiyonunun İncelenmesi, Yıldız Teknik Üniversitesi, Kimya, Fizikokimya, 2016

Post Graduate, Salisilik Asit ile Yüzey Modifikasyonu Yapılmış TiO<sub>2</sub> Fotokatalizörü Kullanılarak 4-Nitrofenolün Heterojen Fotokatalitik Degradasyonu, Yıldız Teknik Üniversitesi, Kimya, Fizikokimya, 2012

### Research Areas

Chemistry, Analytical Chemistry, Separation Methods, Electromagnetic Methods, Sensors, Physical Chemistry, Chemical Kinetics, Polymeric Adsorbents, Thermodynamics, Natural Sciences

### Academic Titles / Tasks

Research Assistant PhD, İstanbul Medeniyet Üniversitesi, Faculty of Engineering and Natural Sciences , Chemistry Department , 2016 - Continues

Research Assistant, Yıldız Teknik Üniversitesi, Fen Edebiyat Fakültesi, Kimya, 2011 - 2016

### Courses

Temel Kimya 2, Under Graduate, 2018 - 2019

Chemistry Laboratory 1, Under Graduate, 2017 - 2018

Temel Kimya Uygulaması, Under Graduate, 2018 - 2019

Kimya Laboratuvarı, Under Graduate, 2018 - 2019

Temel Kimya 1, Under Graduate, 2018 - 2019

Kimya 1, Under Graduate, 2018 - 2019

### Articles Published in Journals That Entered SCI, SSCI and AHCI Indexes

- Fabrication, modification and sensing behaviour of quartz micro/nanopipettes

Kaya D., Keçeci K., Yılmaz D.

Journal Of The Indian Chemical Society, vol.96, pp.1149-1154, 2019 (Journal Indexed in SCI Expanded)

- **Photocatalytic Activity of Titania/Polydicyclopentadiene PolyHIPE Composites**

Yuçe E., Mert E. H. , Krajnc P., Parin F. N. , SAN N., Kaya D., Yildirim H.

MACROMOLECULAR MATERIALS AND ENGINEERING, vol.302, 2017 (Journal Indexed in SCI)

- **Preparation of nanopores and their application for the detection of metals**

KAYA D., KEÇECİ K.

BULGARIAN CHEMICAL COMMUNICATIONS, vol.49, pp.37-42, 2017 (Journal Indexed in SCI)

- **HETEROGENEOUS PHOTOCATALYTIC DEGRADATION OF 4-NITROPHENOL VIA TiO<sub>2</sub>, SURFACE-MODIFIED WITH SALICYLIC ACID**

KAYA D., SAN N.

FRESENIUS ENVIRONMENTAL BULLETIN, vol.26, pp.4953-4962, 2017 (Journal Indexed in SCI)

- **Effect of Pore Geometry on Resistive-Pulse Sensing of DNA Using Track-Etched PET Nanopore Membrane**

Kaya D., DİNLER A., SAN N., KEÇECİ K.

ELECTROCHIMICA ACTA, vol.202, pp.157-165, 2016 (Journal Indexed in SCI)

- **ADSORPTION CHARACTERISTICS, ISOTHERM AND KINETICS OF A NOVEL POLYHIPE/PULLULAN COMPOSITE FOR REMOVING CONGO RED DYE**

SAN N., Mert E. H. , Kaya D., Cira F.

FRESENIUS ENVIRONMENTAL BULLETIN, vol.25, pp.3635-3645, 2016 (Journal Indexed in SCI)

- **Nanopore detection of double stranded DNA using a track-etched polycarbonate membrane**

KEÇECİ K., SAN N., Kaya D.

TALANTA, vol.144, pp.268-274, 2015 (Journal Indexed in SCI)

- **Investigation of thermodynamic and surface characterisation of 4-[4-(2-ethylhexyloxy)benzoyloxy] benzoic acid thermotropic liquid crystal by inverse gas chromatography**

ÇAKAR F., OCAK H., Ozturk E., Mutlu-Yanic S., Kaya D., SAN N., CANKURTARAN Ö., Bilgin-Eran B., KARAMAN F.

LIQUID CRYSTALS, vol.41, pp.1323-1331, 2014 (Journal Indexed in SCI)

## Articles Published in Other Journals

- **Effect of Surface Functionalization on the Transport Characteristics of Methyl Orange Through Track-Etched Membranes**

KAYA D., KEÇECİ K.

Hacettepe Journal of Biology and Chemistry, vol.47, pp.67-76, 2019 (National Refreed University Journal)

- **Transport Characteristics of Selected Dyes Through Track-Etched Multiporous PET Membranes**

KAYA D., KEÇECİ K.

Hacettepe Journal of Biology and Chemistry, vol.46, pp.1-11, 2018 (National Refreed University Journal)

## Book & Book Chapters

- **Genel Kimya Laboratuvar Deneyleri Kitabı**

Soydan A. B. , San N., Aroğuz A. Z. , Uslu H., Mert E. H. , Akman S., Metinyurt D.

Alfa, İstanbul, 2012

## Refereed Congress / Symposium Publications in Proceedings

- **FABRICATION AND APPLICATIONS OF NANOPOROUS MATERIALS**

KAYA D., KEÇECİ K.

25th Congress of the Society of Chemists and Technologists of Macedonia, Ohrid, Macedonia, 19 Eylül 2018, pp.160

- **Fabrication and Transport Properties of Nanoporous Polymer Membranes**  
KAYA D., KEÇECİ K.  
International Eurasian Conference on Biological and Chemical Sciences, Ankara, Turkey, 26 Nisan 2018, pp.120
- **Su ortamından XAD-7 Adsorbantı ile İki Ayrı Bazik Boyarmaddenin Uzaklaştırılması İşlemine Ait Fizikokimyasal Parametrelerin Belirlenmesi**  
KAYA D., San N.  
6. Fiziksel Kimya Kongresi, Zonguldak, Turkey, 15 Mayıs 2017, pp.129
- **PREPARATION AND APPLICATION OF TRACK-ETCHED NANOPORE MEMBRANES AND THEIR SENSOR APPLICATIONS**  
KAYA D., KEÇECİ K.  
3rd International Conference on New Trends in Chemistry, Helsinki, Finland, 28 Nisan 2017, pp.82-83
- **ADSORPTION-DESORPTION CHARACTERISTICS OF XAD-7 RESIN FOR THE REMOVAL OF 4-NITROPHENOL**  
Yıldırım Ö., KAYA D., SAN N.  
3rd International Conference on New Trends in Chemistry, Helsinki, Finland, 28 Nisan 2017, pp.88-89
- **The Design of Macroporous Nanocomposites as Heterogenous Photocatalysts**  
Mert E. H. , Kranjc P., Yüce E., San N., Parin F. N. , KAYA D.  
13th International Conference on Nanosciences & Nanotechnologies (NN16), Thessaloniki, Greece, 05 Ağustos 2016
- **Effect of Pore Geometry on Resistive-Pulse Sensing**  
Saygı S., KAYA D., KEÇECİ K.  
12th Nanoscience and Nanotechnology Conference (NanoTR12), İstanbul, Turkey, 03 Haziran 2016
- **Batch and Continuous Adsorption of Methyl Violet Dye onto XAD-7 Resin**  
San N., KAYA D.  
Fundamentals of Adsorption (FOA 2016), Friedrichshafen, Germany, 29 Mayıs 2016
- **Determination of Trace Metals in Milk Samples by Atomic Absorption Spectrophotometry after Preconcentration by Aspergillus Niger Immobilized on TiO<sub>2</sub> Nanoparticles**  
Alpdoğan G., San N., KAYA D.  
Fundamentals of Adsorption (FOA 2016), Friedrichshafen, Germany, 29 Mayıs 2016
- **Emulsion Templating as a Tool for Hierarchical Macroporous Photocatalyst Preparation**  
Mert E. H. , Kranjc P., Yüce E., Parin F. N. , San N., KAYA D.  
International Conference on Engineering and Natural Sciences (ICENS), Saraybosna, Bosnia And Herzegovina, 24 Mayıs 2016
- **Poly-pickering HIPEs as Heterogeneous Photocatalysts**  
Parin F. N. , Yüce E., MERT E. H. , Kranjc P., San N., KAYA D.  
International Conference and Exhibition on Materials Chemistry, Valencia, Spain, 31 Mart 2016
- **Fabrication of Track-Etched Nanopore(s) and Effect of its Geometry on Sensing Molecules**  
KAYA D., DİNLER A., KEÇECİ K.  
International Porous and Powder Materials, İzmir, Turkey, 15 Eylül 2015
- **Brilliant Cresyl Blue Boyar Maddesinin Sulu Ortamdan XAD-7 Reçine Üzerine Adsorpsiyonu**  
Gökgöz N. E. , Saygı S., KAYA D., San N.  
27. Ulusal Kimya Kongresi, Çanakkale, Turkey, 23 Ağustos 2015
- **Balık Türlerindeki Eser Metal İyonlarının Congo Red ile Amberlite XAD-7 Üzerinde Ayrılması ve Zenginleştirme Sonrası AAS ile Belirlenmesi**  
Alpdoğan G., San N., KAYA D.  
27. Ulusal Kimya Kongresi, Çanakkale, Turkey, 23 Ağustos 2015
- **Novel polyHIPE composites: Preparation, modification and application**  
CIRA F., KAYA D., Mert E. H. , San N.  
European Polymer Federation Congress 2015 (EPF 2015), Dresden, Germany, 21 Haziran 2015
- **Yüzey Modifiye TiO<sub>2</sub> Nanotaneçikleri ile Toplayıcı-PoliHIPE Nanokompozitlerinin Sentezi**  
CIRA F., Yüce E., Büyükpınar Ç., KAYA D., San N., MERT E. H.  
5. Fiziksel Kimya Kongresi, Konya, Turkey, 16 Mayıs 2015
- **Adsorption and Desorption Characteristics, Isotherm and Kinetics Parameters of XAD-16 Resin for**

### **Removing Malachite Green Oxalate**

Büyükpınar Ç., KAYA D., Özinaç G., San N.

All in One Conferences, Dubai, United Arab Emirates, 03 Mart 2015

- **Adsorption Parameters of Different Organic Dyes on the Synthetic Resin XAD-7**

KAYA D., Büyükpınar Ç., San N.

International Symposium on Molecular Chemistry, İstanbul, Turkey, 19 Aralık 2014

- **Adsorptive Removal of Rhodamine B Dye with XAD-7 Resin**

KAYA D., San N., Büyükpınar Ç.

International Conference on Green Chemistry and Sustainable Engineering, Barcelona, Spain, 28 Temmuz 2014

- **Preparation and Applications of Resistive-Pulse Sensors to Detect Biomolecules**

KEÇECİ K., KAYA D.

10th Nanoscience and Nanotechnology Conference (NanoTR10), İstanbul, Turkey, 17 Haziran 2014

- **Fabrication and Characterization of Single Nanopore Membranes for Molecular Sensing**

KAYA D., KEÇECİ K.

10th Nanoscience and Nanotechnology Conference (NanoTR10), İstanbul, Turkey, 17 Haziran 2014

- **Üç Farklı Amberlit Reçinesi Üzerinde Anilin Mavisi Boyar Maddesinin Adsorpsiyon Karakteristiğinin İncelenmesi**

San N., KAYA D., Yıldırım Ö., Büyükpınar Ç.

IV. Fiziksel Kimya Günleri, Denizli, Turkey, 05 Haziran 2014

- **Adsorption Isotherms and Kinetics Studies of Brilliant Green on Three Different Amberlite Resins**

KAYA D., Büyükpınar Ç., San N.

2nd International Conference on Recycling and Reuse, İstanbul, Turkey, 04 Haziran 2014

- **Adsorptive Removal of Congo Red From Aqueous Solution By Using A Synthetic Resin**

San N., Yaşar Eynur S., METİNYURT D.

IUPAC 44th World Chemistry Congress, İstanbul, Turkey, 11 Ağustos 2013

- **Karboksilik Asitlerin Substitue Grup sayısının TiO<sub>2</sub> nin Yüzey Modifikasyonuna Etkisinin Deneysel Olarak İncelenmesi/ Effect of Functional Group Quantity of Carboxylic Acids on Surface Modification of TiO<sub>2</sub>, an Experimental Analysis**

Büyükpınar Ç., METİNYURT D., San N.

26. Ulusal Kimya Kongresi (Uluslararası katılımlı), Antalya, Turkey, 01 Ekim 2012

- **TiO<sub>2</sub>'nin Yüzey Modifikasyonuna Farklı Karboksilli Asitlerin Etkisi Ve Fotokatalitik Aktivitesinin İncelenmesi**

METİNYURT D., Büyükpınar Ç., San N., Büyükpınar Ç., San N.

Uluslararası Katılımlı 25. Ulusal Kimya Kongresi, Erzurum, Turkey, 27 Haziran 2011

- **Surface Modification of TiO<sub>2</sub> with Malonic and Succinic Acids for Heterogenous Photocatalysis**

Metinyurt D., Özen M., Büyükpınar Ç., San N.

Chemical Physics Congress IX, İzmir, Turkey, 14 Ekim 2010

## **Supported Projects**

KAYA D., KEÇECİ K., Project Supported by Higher Education Institutions, İz Aşındırılmış Nanogözenekli Membranlardan Yüklü Analitlerin Taşınımının Geliştirilmesi, 2019 - 2020

KAYA D., KEÇECİ K., Project Supported by Higher Education Institutions, Nanogözenekli Malzemelerin Hazırlanması ve Uygulamaları, 2018 - 2019

KAYA D., Project Supported by Higher Education Institutions, İz-Aşındırılmış Membranların Hazırlanması ve Sensör Uygulamaları, 2017 - 2017

Kaya D., San N., Project Supported by Higher Education Institutions, Sudaki Organik Boyar Maddelerin Polimerik Reçineler Üzerine Adsorpsiyonu ve Adsorpsiyon Kinetiğinin Belirlenmesi, 2014 - 2016

San N., Kaya D., Büyükpınar Ç., Project Supported by Higher Education Institutions, Sentetik Reçinelerin Adsorpsiyon Özelliğinden Faydalanılarak Atık Sularda Bulunan Organik Boyar Maddelerin Giderilmesi ve Adsorpsiyon Parametrelerinin Belirlenmesi, 2013 - 2016

## Attended Scientific Meetings

25th Congress of Chemists and Technologists of Macedonia, Ohrid, September, 2018  
INTERNATIONAL EURASIAN CONFERENCE ON BIOLOGICAL AND CHEMICAL SCIENCES, Ankara, April, 2018  
3rd International Conference on New Trends in Chemistry, Helsinki, April, 2017  
Fundamentals of Adsorption (FOA 2016), June, 2016  
27. Ulusal Kimya Kongresi, Çanakkale, August, 2015  
European Polymer Federation Congress 2015 (EPF 2015), Dresden, June, 2015  
International Symposium on Molecular Chemistry, İstanbul, December, 2014  
International Conference on Green Chemistry and Sustainable Engineering, Barcelona, July, 2014  
10th Nanoscience and Nanotechnology Conference (NanoTR10), İstanbul, June, 2014  
2nd International Conference on Recycling and Reuse, İstanbul, June, 2014  
IUPAC 44th World Chemistry Congress, İstanbul, August, 2013  
26. Ulusal Kimya Kongresi (Uluslararası katılımlı), Antalya, October, 2012  
International Conference on Recycling and Reuse, İstanbul, June, 2012  
Uluslararası Katılımlı 25. Ulusal Kimya Kongresi, Erzurum, June, 2011  
Chemical Physics Congress IX, İzmir, October, 2010

## Scientific Refereeing

HİTTİTE JOURNAL OF SCIENCE AND ENGINEERING, National Scientific Refreed Journal, March 2020  
Journal of the Turkish Chemical Society A: Chemistry, National Scientific Refreed Journal, March 2018

## Invited Congress and Symposium Activities

25th Congress of Chemists and Technologists of Macedonia, Attendee, Ohrid, Macedonia, 2018 - 2018  
INTERNATIONAL EURASIAN CONFERENCE ON BIOLOGICAL AND CHEMICAL SCIENCES, Attendee, Ankara, Turkey, 2018 - 2018  
3rd International Conference on New Trends in Chemistry, Attendee, Helsinki, Finland, 2017 - 2017  
Fundamentals of Adsorption (FOA 2016), Attendee, Germany, 2016 - 2016  
27. Ulusal Kimya Kongresi, Attendee, Çanakkale, Turkey, 2015 - 2015  
European Polymer Federation Congress 2015 (EPF 2015), Attendee, Dresden, Germany, 2015 - 2015  
International Symposium on Molecular Chemistry, Attendee, İstanbul, Turkey, 2014 - 2014  
International Conference on Green Chemistry and Sustainable Engineering, Attendee, Barcelona, Spain, 2014 - 2014  
10th Nanoscience and Nanotechnology Conference (NanoTR10), Attendee, İstanbul, Turkey, 2014 - 2014  
2nd International Conference on Recycling and Reuse, Attendee, İstanbul, Turkey, 2014 - 2014  
IUPAC 44th World Chemistry Congress, Attendee, İstanbul, Turkey, 2013 - 2013  
26. Ulusal Kimya Kongresi (Uluslararası katılımlı), Attendee, Antalya, Turkey, 2012 - 2012  
International Conference on Recycling and Reuse, Attendee, İstanbul, Turkey, 2012 - 2012  
Uluslararası Katılımlı 25. Ulusal Kimya Kongresi, Attendee, Erzurum, Turkey, 2011 - 2011  
Chemical Physics Congress IX, Attendee, İzmir, Turkey, 2010 - 2010

## Citations

Total Citations (WOS):40

h-index (WOS):5