

Prof. İLKNUR ALTIN

Personal Information

Office Phone: [+90 462 377 4272](tel:+904623774272)

Fax Phone: [+90 462325319](tel:+90462325319)

Email: ilknurtatlidil@ktu.edu.tr

Web: <https://avesis.ktu.edu.tr/ilknurtatlidil>

Address: Karadeniz Teknik Üniversitesi, Fen Fakültesi, Kimya Bölümü, 61080 Trabzon

International Researcher IDs

ScholarID: [RENoqAoAAAAJ](#)

ORCID: [0000-0002-9859-3611](#)

Publons / Web Of Science ResearcherID: [AAQ-4993-2020](#)

ScopusID: [54967270400](#)

Yoksis Researcher ID: [152038](#)

Education Information

Post Doctorate, Aalborg Universitet (Aalborg University), The Faculty Of Engineering And Science, Department Of Chemistry And Bioscience, Denmark 2018 - 2019

Doctorate, Karadeniz Technical University, Fen Bilimleri, Kimya, Turkey 2007 - 2014

Undergraduate, Karadeniz Technical University, Orta Öğretim Fen-Matematik Alanları Eğitimi, Kimya Eğitimi, Turkey 2002 - 2007

Foreign Languages

English, B2 Upper Intermediate

Dissertations

Doctorate, Genleştirilmiş Polistiren Atığının TiO₂ ile Modifikasyonu ve Çeşitli Kirletici Türlerinin Gideriminde Kullanılabilirliğinin Araştırılması, Karadeniz Technical University, -, Kimya, 2014

Research Areas

Environmental Engineering, Environmental Sciences, Environmental Chemistry, Metallurgical and Materials Engineering, Material science and engineering, Nanomaterials, Chemistry, Analytical Chemistry, Spectroscopical Methods, Surface Analysis, Natural Sciences, Engineering and Technology

Academic Titles / Tasks

Associate Professor, Karadeniz Technical University, Fen Fakültesi, Kimya, 2017 - Continues

Lecturer PhD, Karadeniz Technical University, Fen Fakültesi, Kimya, 2016 - 2017

Research Assistant, Karadeniz Technical University, Fen Fakültesi, Kimya, 2008 - 2014

Courses

Analitik Kimya laboratuvarı, Undergraduate, 2023 - 2024

Analitik Kimya, Undergraduate, 2022 - 2023

Analitik Kimya, Undergraduate, 2022 - 2023

Temel Kimya, Undergraduate, 2019 - 2020

Fundamentals of Photocatalysis and Applications, Doctorate, 2018 - 2019

Temel Kimya, Undergraduate, 2018 - 2019

Elektroanalitik Yöntemler, Undergraduate, 2018 - 2019

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Perovskite Type B-CaTiO₃ Coupled with Graphene Oxide as Efficient Bifunctional Composites for Environmental Remediation**
ALTIN İ.
PROCESSES, vol.11, no.11, 2023 (SCI-Expanded)
- II. **Facilely Synthesized Cobalt Doped TiO₂ Graphene Oxide Nanocomposite as an Advanced Photocatalyst Material for Degradation of Methylene Blue**
ALTIN İ.
CHEMISTRYSELECT, vol.8, no.37, 2023 (SCI-Expanded)
- III. **Molybdenum Modified Sol-Gel Synthesized TiO₂ for the Photocatalytic Degradation of Carbamazepine under UV Irradiation**
Anucha C. B., BACAKSIZ E., Stathopoulos V. N., Pandis P. K., Argirusis C., Andreouli C., Tatoudi Z., ALTIN İ.
PROCESSES, vol.10, no.6, 2022 (SCI-Expanded)
- IV. **Preparation and Characterization of Supported Molybdenum Doped TiO₂ on α -Al₂O₃ Ceramic Substrate for the Photocatalytic Degradation of Ibuprofen (IBU) under UV Irradiation**
Anucha C. B., BACAKSIZ E., Stathopoulos V. N., Pandis P. K., Argirusis C., Andreouli C., Tatoudi Z., ALTIN İ.
Catalysts, vol.12, no.5, 2022 (SCI-Expanded)
- V. **CuO-TiO₂/graphene ternary nanocomposite for highly efficient visible-light-driven photocatalytic degradation of bisphenol A**
ALTIN İ.
JOURNAL OF MOLECULAR STRUCTURE, vol.1252, 2022 (SCI-Expanded)
- VI. **Silver Doped Zinc Stannate (Ag-ZnSnO₃) for the Photocatalytic Degradation of Caffeine under UV Irradiation**
Anucha C. B., Altin İ., BACAKSIZ E., Stathopoulos V. N., POLAT İ., YAŞAR A., Yüksel Ö. F.
WATER, vol.13, no.9, 2021 (SCI-Expanded)
- VII. **Enhanced Photocatalytic Activity of CuWO₄ Doped TiO₂ Photocatalyst Towards Carbamazepine Removal under UV Irradiation**
Anucha C. B., ALTIN İ., BACAKSIZ E., KÜÇÜKÖMEROĞLU T., Belay M. H., Stathopoulos V. N.
SEPARATIONS, vol.8, no.3, 2021 (SCI-Expanded)
- VIII. **Immobilized TiO₂/ZnO Sensitized Copper (II) Phthalocyanine Heterostructure for the Degradation of Ibuprofen under UV Irradiation**
BethelAnucha C., Altin İ., BACAKSIZ E., DEĞİRMENCİOĞLU İ., KÜÇÜKÖMEROĞLU T., Yilmaz S., Stathopoulos V. N.
SEPARATIONS, vol.8, no.3, 2021 (SCI-Expanded)
- IX. **Hydrothermal preparation of B-TiO₂-graphene oxide ternary nanocomposite, characterization and photocatalytic degradation of bisphenol A under simulated solar irradiation**
ALTIN İ., Ma X., Boffa V., BACAKSIZ E., Magnacca G.
MATERIALS SCIENCE IN SEMICONDUCTOR PROCESSING, vol.123, 2021 (SCI-Expanded)
- X. **Synthesis and characterization of B/NaF and silicon phthalocyanine-modified TiO₂ and an evaluation of their photocatalytic removal of carbamazepine**

- Anucha C. B., Altin I., Fabbri D., Değirmencioğlu İ., Calza P., Magnacca G., Stathopoulos V. N., Bacaksız E. Separations, vol.7, no.4, pp.1-20, 2020 (SCI-Expanded)
- XI. **Synthesis, Characterization, and Photocatalytic Evaluation of Manganese (III) Phthalocyanine Sensitized ZnWO₄ (ZnWO₄MnPc) for Bisphenol A Degradation under UV Irradiation**
Anucha C. B., Altın İ., Bıyıklıoğlu Z., Bacaksız E., Polat İ., Stathopoulos V. N. NANOMATERIALS, vol.10, no.11, 2020 (SCI-Expanded)
- XII. **The effect of microporous vanadosilicate AM-6 thin films as photocatalysts for the degradation of methylene blue**
Kuzyaka D., Galioglu S., ALTIN İ., Sökmen M., Akata B. JOURNAL OF PHOTOCHEMISTRY AND PHOTOBIOLOGY A-CHEMISTRY, vol.366, pp.127-135, 2018 (SCI-Expanded)
- XIII. **Use of azomethine-bridged phenolic metallophthalocyanines for sensitization of TiO₂**
KOC M., ALBAY C., ALTIN İ., Bayrak R., Gokce H., DEĞİRMENCİOĞLU İ., SOKMEN M. DESALINATION AND WATER TREATMENT, vol.59, pp.191-201, 2017 (SCI-Expanded)
- XIV. **Preparation of phthalocyanine/TiO₂ nanocomposites for photocatalytic removal of toxic Cr(VI) ions**
Bayrak R., ALBAY C., KOC M., ALTIN İ., DEĞİRMENCİOĞLU İ., SOKMEN M. PROCESS SAFETY AND ENVIRONMENTAL PROTECTION, vol.102, pp.294-302, 2016 (SCI-Expanded)
- XV. **Quaternized zinc(II) phthalocyanine-sensitized TiO₂: surfactant-modified sol-gel synthesis, characterization and photocatalytic applications**
ALTIN İ., Sokmen M., BIYIKLIOĞLU Z. DESALINATION AND WATER TREATMENT, vol.57, no.34, pp.16196-16207, 2016 (SCI-Expanded)
- XVI. **New dye sensitized photocatalysts: Copper(II)-phthalocyanine/TiO₂ nanocomposite for water remediation**
ALBAY C., KOC M., ALTIN İ., Bayrak R., DEĞİRMENCİOĞLU İ., SOKMEN M. JOURNAL OF PHOTOCHEMISTRY AND PHOTOBIOLOGY A-CHEMISTRY, vol.324, pp.117-125, 2016 (SCI-Expanded)
- XVII. **Sol gel synthesis of cobalt doped TiO₂ and its dye sensitization for efficient pollutant removal**
ALTIN İ., Sokmen M., BIYIKLIOĞLU Z. MATERIALS SCIENCE IN SEMICONDUCTOR PROCESSING, vol.45, pp.36-44, 2016 (SCI-Expanded)
- XVIII. **Preparation of Phthalocyanine /TiO₂ nanocomposites for Photocatalytic Removal of Toxic Cr(VI) ions**
Bayrak R., Albay C., Koç M., ALTIN İ., DEĞİRMENCİOĞLU İ., SÖKMEN M. PROCESS SAFETY AND ENVIRONMENTAL PROTECTION, vol.102, pp.294-302, 2016 (SCI-Expanded)
- XIX. **TiO₂ immobilized PCL for photocatalytic removal of hexavalent chromium from water**
Akkan S., ALTIN İ., Koc M., Sokmen M. DESALINATION AND WATER TREATMENT, vol.56, no.9, pp.2522-2531, 2015 (SCI-Expanded)
- XX. **Buoyant Photocatalyst Based on ZnO Immobilized on Polystyrene Beads for Pollutants Treatment**
ALTIN İ., Sokmen M. CLEAN-SOIL AIR WATER, vol.43, no.7, pp.1025-1030, 2015 (SCI-Expanded)
- XXI. **The influence of Cu-doping on structural, optical and photocatalytic properties of ZnO nanorods**
Polat İ., Yilmaz S., Altin İ., BACAKSIZ E., Sökmen M. MATERIALS CHEMISTRY AND PHYSICS, vol.148, no.3, pp.528-532, 2014 (SCI-Expanded)
- XXII. **Photocatalytic Properties of Silver Incorporated Titania Nanoparticles Immobilized on Waste-Derived Polystyrene**
ALTIN İ., Sokmen M. WATER AIR AND SOIL POLLUTION, vol.225, no.1, 2014 (SCI-Expanded)
- XXIII. **Preparation of TiO₂-polystyrene photocatalyst from waste material and its usability for removal of various pollutants**
ALTIN İ., Sokmen M. APPLIED CATALYSIS B-ENVIRONMENTAL, vol.144, pp.694-701, 2014 (SCI-Expanded)
- XXIV. **TiO₂ Immobilized Biodegradable Polymer for Photocatalytic Removal of Chlorophenol**
SIVLİM T., AKKAN S., ALTIN İ., KOC M., Sokmen M. WATER AIR AND SOIL POLLUTION, vol.223, no.7, pp.3955-3964, 2012 (SCI-Expanded)

- XXV. **A short literature survey on iron and cobalt ion doped TiO₂ thin films and photocatalytic activity of these films against fungi**
Tatlıdil İ., BACAŞIZ E., BURUK C. K., Breen C., Sokmen M.
JOURNAL OF ALLOYS AND COMPOUNDS, vol.517, pp.80-86, 2012 (SCI-Expanded)
- XXVI. **ZnO and ZnS microrods coated on glass and photocatalytic activity**
Altın İ., POLAT İ., BACAŞIZ E., Sokmen M.
APPLIED SURFACE SCIENCE, vol.258, no.11, pp.4861-4865, 2012 (SCI-Expanded)
- XXVII. **TiO₂ immobilized biodegradable polymer for photocatalytic removal of Chlorophenol**
Sivlim T., Akkan Ş., ALTIN İ., SÖKMEN M.
Water, Air, WATER AIR AND SOIL POLLUTION, vol.223, pp.3955-3964, 2012 (SCI-Expanded)
- XXVIII. **Degradation of Candida albicans on TiO₂ and Ag-TiO₂ thin films prepared by sol-gel and nanosuspensions**
Tatlıdil İ., Sokmen M., Breen C., Clegg F., Buruk C. K., BACAŞIZ E.
JOURNAL OF SOL-GEL SCIENCE AND TECHNOLOGY, vol.60, no.1, pp.23-32, 2011 (SCI-Expanded)
- XXIX. **A new nano-TiO₂ immobilized biodegradable polymer with self-cleaning properties**
Sokmen M., TATLIDIL İ., Breen C., Clegg F., BURUK C. K., SIVLIM T., AKKAN S.
JOURNAL OF HAZARDOUS MATERIALS, vol.187, pp.199-205, 2011 (SCI-Expanded)

Articles Published in Other Journals

- I. **Bi Doped TiO₂ as a Photocatalyst for Enhanced Photocatalytic Activity**
Tatlıdil Altın İ.
Sakarya Üniversitesi Fen Bilimleri Enstitüsü Dergisi, vol.27, no.3, pp.660-669, 2023 (Peer-Reviewed Journal)
- II. **Titanium dioxide (TiO₂)-based photocatalyst materials activity enhancement for contaminants of emerging concern (CECs) degradation: In the light of modification strategies**
Anucha C. B., Altın İ., Bacaksız E., Stathopoulos V. N.
CHEMICAL ENGINEERING JOURNAL ADVANCES, vol.10, 2022 (ESCI)

Refereed Congress / Symposium Publications in Proceedings

- I. **Photocatalytic activity of phthalocyanine-sensitized ZnO nanoparticles irradiated by visible light**
Altın İ.
3. International Istanbul Current Scientific Congress, İstanbul, Turkey, 8 - 09 September 2023, pp.199-200
- II. **Photocatalytic degradation of methylene blue over cobalt-doped TiO₂ loaded on graphene oxide**
Altın İ.
EURO ASIA 7th. International Congress on Applied Sciences, Trabzon, Turkey, 21 - 22 August 2020, pp.371-372
- III. **Photocatalytic removal of toxic Cr (VI) with phthalocyanine immobilized TiO₂**
Koç M., Albay C., ALTIN İ., Bayrak R., DEĞİRMENCİOĞLU İ., SÖKMEN M.
Turkish Journal of Occupational/Environmental Medicine and Safety, Ankara, Turkey, vol.1, pp.1
- IV. **TiO₂ Nano-Particle Immobilized polymeric material and photocatalytic activity**
SÖKMEN M., Breen C., ALTIN İ., BACAŞIZ E., BURUK C. K.
International Conference on Semiconductor Photochemistry, 4-11 April 2010, United Kingdom, pp.1
- V. **Enhanced photocatalytic degradation of 4-chlorophenol in the presence of a new photocatalyst material**
ALTIN İ., Albay C., Koç M., Bayrak R., DEĞİRMENCİOĞLU İ., SÖKMEN M.
7th Black Sea Basin Conference on analytical Chemistry, 10-15 September 2015, Bulgaria, pp.1
- VI. **Synthesis of TiO₂ coated self-cleaning materials**
SÖKMEN M., ALTIN İ., Breen C., BACAŞIZ E., BURUK C. K.
7th Nanoscience and Nanotechnology Conference, Sabancı Üniversitesi, 27 June-01 July 2011, İstanbul, Turkey,

pp.1

- VII. **Removal of Candida albicans over TiO₂ suspensions and thin film coated surface**
ALTIN İ., Breen C., BURUK C. K., BACAŞIZ E., Sivlim T., SÖKMEN M.
International Conference on Semiconductor Photochemistry, SP-3, 4-11 April 2010, United Kingdom, pp.10
- VIII. **Bazı sentetik doğal bileşiklerin antioksidant aktiviteleri**
SÖKMEN M., ALTIN İ., Khan A., Akyüz E.
XXIII. Ulusal Kimya Kongresi, Cumhuriyet Üniversitesi, 16-20 Haziran 2009, Sivas, Turkey, pp.1
- IX. **Silisyum ftalocyanine sensitized TiO₂ nanomaterials**
ALTIN İ., BIYIKLIOĞLU Z., SÖKMEN M.
7th Black Sea Basin Conference on analytical Chemistry, 10-15 September 2015, Bulgaria, pp.1
- X. **Structural, Optical and Photocatalytic Properties of Cu-ZnO and ZnO Nanorods**
ALTIN İ., Yılmaz S., POLAT İ., BACAŞIZ E., SÖKMEN M.
10th Nanoscience and Nanotechnology Conference, 17 June-21 June 2014, Yeditepe Üniversitesi, İstanbul, Turkey, pp.1
- XI. **Photocatalytic inactivation of Staphylococcus aureus in water using TiO₂ modified with Nickel ftalocyanine**
ALTIN İ., Albay C., Koç M., Bayrak R., DEĞİRMENCİOĞLU İ., SÖKMEN M.
7th Black Sea Basin Conference on analytical Chemistry, 10-15 September 2015, Bulgaria, pp.10
- XII. **Photoreduction of Cr(VI) in Aqueous Suspension Using Cu Ftalocyanine Modified Titanium Dioxide Nanoparticles**
ALTIN İ., Albay C., DEĞİRMENCİOĞLU İ., Bayrak R., Koç M., SÖKMEN M.
10th Nanoscience and Nanotechnology Conference, 17 June-21 June 2014, Yeditepe Üniversitesi, İstanbul, Turkey, pp.1
- XIII. **ZnO and ZnS microrods coated on glass and photocatalytic activity**
ALTIN İ., POLAT İ., BACAŞIZ E., SÖKMEN M.
7th Nanoscience and Nanotechnology Conference, Sabancı Üniversitesi, 27 June-01 July 2011, İstanbul, Turkey, pp.1
- XIV. **Kendi Kendini Temizleme Özelliğine Sahip Titanyum Dioksit İnce Filmlerinin Çeşitli Materyaller Üzerine Kaplanması**
SÖKMEN M., BURUK C. K., ALTIN İ., BACAŞIZ E.
IOPT's İleri Oksidasyon Teknolojileri Çalıştayı, Boğaziçi Üniversitesi, 7-8 Kasım 2008, İstanbul, Turkey, pp.1
- XV. **Degradation of chlorophenols by advanced oxidation methods**
Kartal Temel N., SÖKMEN M., ALTIN İ., Sivlim T., Akkan Ş.
5. Black Sea Basin Conference on Analytical Chemistry, 23-26 Eylül 2009, Ordu, Turkey, pp.1
- XVI. **Atık polistirenin metilen mavisinin gideriminde kullanılması**
ALTIN İ., SÖKMEN M.
VI. Ulusal Analitik Kimya Kongresi, 3-7 Eylül 2012, Mustafa Kemal Üniversitesi, Hatay, Turkey, pp.1
- XVII. **Titanyum Dioksit İnce film kaplı kendi kendini temizleyen malzemeler**
SÖKMEN M., BACAŞIZ E., BURUK C. K., ALTIN İ., Sivlim T., Akkan Ş.
XXIII. Ulusal Kimya Kongresi, Cumhuriyet Üniversitesi, 16-20 Haziran 2009, Sivas, Turkey, pp.1
- XVIII. **Preparation and antibacterial properties of silver and cobalt loaded nano TiO₂ particles**
Yılmaz H., Atal S., Koç M., Serdaroğlu V., ALTIN İ., BURUK C. K., SÖKMEN M.
7th Nanoscience and Nanotechnology Conference, Sabancı Üniversitesi, 27 June-01 July 2011, İstanbul, Turkey, pp.1
- XIX. **TiO₂ nano-particle immobilized polymeric material and photocatalytic activity**
SÖKMEN M., ALTIN İ., Sivlim T., Akkan Ş.
7th Nanoscience and Nanotechnology Conference, Sabancı Üniversitesi, 27 June-01 July 2011, İstanbul, Turkey, pp.1
- XX. **ZnO ile Katkılandırılmış TiO₂ Nanotaneçiklerin Genleştirilmiş Polistirene Yüklenmesi ve Fotokatalitik Aktivitesinin İncelenmesi**
ALTIN İ., Albay C., Koç M., SÖKMEN M.

7. Ulusal Analitik Kimya Kongresi, 1-5 Eylül 2014, Kahramanmaraş, Turkey, pp.1

- XXI. **Photocatalytic reduction of hexavalent chromium with TiO₂ immobilized on expanded polystyrene Beads**
ALTIN İ., SÖKMEN M.
8 th Aegean Analytical Chemistry Days, İzmir Yüksek teknoloji Enstitüsü, 16-20 September 2012, İzmir, Turkey, pp.1
- XXII. **Novel TiO₂ photocatalyst modified with peripheral and non-peripheral substituted copper (II) phthalocyanines: Photocatalytic reduction and disinfection properties**
SÖKMEN M., Albay C., Koç M., ALTIN İ., DEĞİRMENCİOĞLU İ., Bayrak R.
The 5th International conference on semiconductor photochemistry, 27-31 July 2015, Russia, pp.1
- XXIII. **TiO₂'in fotoduyarlılığını arttırmak için ftalosiyanınların kullanımı**
Koç M., Albay C., ALTIN İ., Bayrak R., DEĞİRMENCİOĞLU İ., SÖKMEN M.
7. Ulusal Analitik Kimya Kongresi, 1-5 Eylül 2014, Kahramanmaraş, Turkey, pp.1
- XXIV. **The photocatalytic removal of Escherichia coli and Aspergillus niger from water**
ALTIN İ., Koç M., SÖKMEN M.
6th Black Sea Basin Conference on Analytical Chemistry, 10-14 September 2013, Trabzon, Turkey, pp.1
- XXV. **Photocatalytic degradation of bisphenol A under visible light over graphene oxide based heterojunction CuO-TiO₂ composite catalysts**
Altın İ.
International Conference on Chemical Energy and Semiconductor Photochemistry, Trabzon, Turkey, 4 - 06 September 2019, pp.47
- XXVI. **Ceramic Paste Preparation and Suspension Wash Coats Formulation for Disc Shaped γ -Al₂O₃ Substrate**
Bethel C. A., ALTIN İ., Pandis P. K., Stathopoulos V. N., Georgiopoulos I., Tatoudi Z., Argirusis C., BACAKSIZ E.
International Conference on Chemical Energy and Semiconductor Photochemistry (CESCOP-2019), Trabzon, Turkey, 4 - 06 September 2019, pp.1
- XXVII. **Development of Photocatalytic TiO₂ Washcoats Over Porous γ -Al₂O₃ Substrates**
Bethel C. A., ALTIN İ., Pandis P. K., Stathopoulos V. N., Georgiopoulos I., Tatoudi Z., Argirusis C., BACAKSIZ E.
International Conference on Chemical Energy and Semiconductor Photochemistry (CESCOP-2019), Trabzon, Turkey, 4 - 06 September 2019, pp.1
- XXVIII. **Synthesis, characterization, and photocatalytic tests of novel photocatalysts**
Bethel C. A., ALTIN İ., Fabbri D., DEĞİRMENCİOĞLU İ., Calza P., BACAKSIZ E., Stathopoulos V.
17th International Conference on Chemistry and the Environment (ICCE 2019), Thessaloniki, Greece, 16 - 20 June 2019, pp.1
- XXIX. **The Effect of Defect Creation in Microporous Vanadosilicate AM-6 Thin Films on Their Photocatalytic Performances**
Kuzyaka D., Galioglu S., ALTIN İ., Akata B., Sökmen M.
NANOTR-14 Conference-14th Nanoscience and Nanotechnology Conference, İzmir, Turkey, 1 - 05 September 2018, pp.1
- XXX. **The Effect of Microporous Vanadosilicate AM-6 Thin Films as photocatalyst for the Degradation of Methylene Blue**
Kuzyaka D., Galioglu S., ALTIN İ., Sökmen M., Akata B.
34th GFZ Congress, Cabourg, France, 1 - 04 June 2018, pp.1
- XXXI. **The Effect Of Microporous Vanadosilicate AM-6 Thin Films As Photocatalysts For The Degradation Of Methylene Blue**
KUZYAKA D., GALİOĞLU S., ALTIN İ., SÖKMEN M., AKATA KURÇ B.
34th GFZ Congress, Cabourg, France, 26 - 29 March 2018
- XXXII. **Photocatalytic Properties of TiO₂ Nanoparticles Prepared by Sol-Gel Method in the Presence of Different Surfactants**
Koç Keşir M., Sarıkaya İ., ALTIN İ., Sökmen M., Bilgen S.
International Porous & Powder Materials Symposium and Exhibitions (PPM 2017), İzmir, Turkey, 12 - 15

September 2017, pp.1

XXXIII. Photocatalytic activity of TiO₂ modified by silicon phthalocyanine in dye-sensitized solar cells and degradation of methylene blue

Sökmen M., ALTIN İ., Koç Keşir M., Bıyıklıoğlu Z.

6th International conference on semiconductor photochemistry, Oldenburg, Germany, 11 - 14 September 2017, pp.167

XXXIV. Effect of microporous vanadosilicate AM-6 thin films as photocatalysts for the degradation of methylene blue

Kuzyaka D., Galioğlu S., ALTIN İ., Sökmen M., Akata B.

6th International conference on semiconductor photochemistry, Oldenburg, Germany, 11 - 14 September 2017, pp.150

XXXV. Azometin Köprülü Fenolik Ftalosiyeninlerin TiO₂'in Duyarlaştırılmasında Kullanımı ve Staphylococcus aureus'un Fotokatalitik Giderimi

DEĞİRMENCİOĞLU İ., Bayrak R., Koç M., Albay C., ALTIN İ., SÖKMEN M.

III. Ulusal Organik Kimya Kongresi, Trabzon, Turkey, 5 - 08 September 2016, pp.78

XXXVI. Photocatalytic inactivation of Staphylococcus aureus in water using TiO₂ modified with Nickel phthalocyanine

SÖKMEN M., ALTIN İ., ALBAY C., KOÇ M., DEĞİRMENCİOĞLU İ., BAYRAK R.

7th Black Sea basin Conference on Analytical Chemistry 7BBCAC, Varna, Bulgaria, 10 - 15 September 2015, pp.10

XXXVII. Enhanced photocatalytic degradation of 4-chlorophenol in the presence of a new photocatalyst material

SÖKMEN M., ALBAY C., ALTIN İ., DEĞİRMENCİOĞLU İ., KOC M., BAYRAK R.

7th Black Sea basin Conference on Analytical Chemistry 7BBCAC, Varna, Bulgaria, 10 - 15 September 2015, pp.10

XXXVIII. Silisium phthalocyanine sensitized TiO₂ nanomaterials

SÖKMEN M., ALTIN İ., BİYİKLİOĞLU Z.

7th Black Sea basin Conference on Analytical Chemistry 7BBCAC, Varna, Bulgaria, 10 - 15 September 2015, pp.10

XXXIX. Novel TiO₂ photocatalysts modified with peripheral and non-peripheral substituted copper (II) phthalocyanines: Photocatalytic reduction and disinfections properties

SÖKMEN M., ALBAY C., KOÇ M., ALTIN İ., DEĞİRMENCİOĞLU İ., BAYRAK R.

5th International Conference on Semiconductor Photochemistry, SP5, St. Petersburg, Russia, 27 - 31 August 2015, pp.1

XL. ZnO ile katkılandırılmış TiO₂ nanotaneceklerin genleştirilmiş polistirene yüklenmesi ve fotokatalitik aktivitesinin incelenmesi

ALTIN İ., CANSU A., KOÇ M., SÖKMEN M.

7. Ulusal Analitik Kimya Kongresi, Sütçü İmam Üniversitesi, Kahramanmaraş, Turkey, 1 - 05 September 2014

XLI. Photoreduction of Cr(VI) in Aqueous Suspension Using Cu Phthalocyanine Modified Titanium Dioxide Nanoparticles

SÖKMEN M., ALTIN İ., ALBAY C., DEĞİRMENCİOĞLU İ., BAYRAK R., KOÇ M.

Nanoscience and Nanotechnology Conference of Turkey (NanoTR 10), İstanbul, Turkey, 17 - 21 June 2014, pp.1

XLII. Structural, Optical and Photocatalytic Properties of Cu-ZnO and ZnO Nanorods

SÖKMEN M., ALTIN İ., YILMAZ S., POLAT İ., BACAĞSIZ E.

Nanoscience and Nanotechnology Conference of Turkey (NanoTR 10), İstanbul, Turkey, 17 - 21 June 2014, pp.10

XLIII. Photocatalytic Properties of TiO₂ Nanoparticles Immobilized on Waste-Derived Polystyrene

SÖKMEN M., ALTIN İ.

6th Black Sea basin Conference on Analytical Chemistry, Trabzon, Turkey, 10 - 14 September 2013, pp.10

XLIV. Kromatografi Kongresi, 16-21 Haziran 2013 Uludağ Üniversitesi, Bursa.

BAYRAK S., SÖKMEN M., SERDAR G., Demir E., KOÇ M., ALTIN İ.

Kromatografi Kongresi, 16-21 Haziran 2013 Uludağ Üniversitesi, Bursa., Bursa, Turkey, 16 June 2013

XLV. Photocatalytic Reduction of Hexavalent Chromium With TiO₂ Immobilized on Expanded Polystyrene Beads

SÖKMEN M., ALTIN İ.

- 8th Aegean Analytical Chemistry Days, İzmir, Turkey, 16 - 20 September 2012, pp.10
- XLVI. **TiO₂ Nano-Particle Immobilized Polymeric Material and Photocatalytic Activity**
SÖKMEN M., ALTIN İ.
7th Nanoscience and Nanotechnology Congress, İstanbul, Turkey, 27 June - 01 July 2011, pp.10
- XLVII. **ZnO and ZnS Microrods Coated on Glass and Photocatalytic Activity**
SÖKMEN M., ALTIN İ., BACAŞIZ E., POLAT İ.
7th Nanoscience and Nanotechnology Congress, İstanbul, Turkey, 27 June - 01 July 2011, pp.11
- XLVIII. **Synthesis of TiO₂ Coated Self-Cleaning Materials**
SÖKMEN M., ALTIN İ., BURUK K., BACAŞIZ E.
7th Nanoscience and Nanotechnology Congress, İstanbul, Turkey, 27 June - 01 July 2011, pp.10
- XLIX. **Preparation and Antibacterial Properties of Silver and Cobalt Loaded Nano TiO₂ Particles**
SÖKMEN M., ALTIN İ., BURUK K., YILMAZ H., KOÇ M., SERAROĞLU V., SERAROĞLU V., ATAL S.
7th Nanoscience and Nanotechnology Congress, İstanbul, Turkey, 27 June - 01 July 2011, pp.12
- L. **Removal Of Candida albicans Over TiO₂ Suspensions and Thin Film Coated Surface**
SÖKMEN M., ALTIN İ.
International Conference on Semiconductor Photochemistry, Glasgow, United Kingdom, 4 - 07 April 2010, pp.10
- LI. **Titanyum dioksit ince film kaplı kendi kendini temizleyen malzemeler**
SÖKMEN M., BACAŞIZ E., BURUK C. K., TATLIDİL İ., SİVLİM T., AKKAN Ş.
XXIII. Ulusal Kimya Kongresi, Cumhuriyet Üniversitesi, Sivas, Turkey, 16 - 20 March 2009

Supported Projects

ALTIN İ., ALTINOK İ., FEYZİOĞLU A. M., BACAŞIZ E., BOFFA V., Project Supported by Higher Education Institutions, Tarımsal biyoatıklardan elde edilecek grafen nanomateriyallerine katalizör eklenerek atık suların arıtımında kullanılması, 2023 - Continues

ALTIN İ., EU Framework Program Project, (COST Action) Advanced Engineering and Research of aerogels for Environment and Life Sciences, 2019 - Continues

OCAK Ü., OCAK M., KOLAYLI S., Altın İ., Dinç S., Kara M., TUBITAK Project, Fındık kabuğundan karbon nano noktalarının sentezlenmesi, floresans özelliklerinin belirlenmesi, analitik ve biyolojik amaçla kullanılabilirliğinin araştırılması, Continues

Altın İ., TUBITAK Project, Atık yumurta kabuğundan sentezlenecek kalsiyum oksit ile modifiye fotokatalizör sentezi ve su arıtımında kullanılabilirliğinin araştırılması, 2023 - 2024

Altın İ., Bacaksız E., H2020 Project, Interdisciplinary cross-sectoral approach to effectively address the removal of contaminants of emerging concern from water, 2017 - 2022

SAVAŞKAN YILMAZ S., KAYGUSUZ K., KOLCUOĞLU Y., ALTIN İ., BACAŞIZ E., Project Supported by Higher Education Institutions, INTERNATIONAL CONFERENCE ON CHEMICAL ENERGY AND SEMICONDUCTOR PHOTOCHEMISTRY, 2019 - 2020

Altın İ., Sökmen M., Project Supported by Higher Education Institutions, Co TiO₂ Ftalosiyanın nanokompozitlerin sentezi ve sentetik boya gideriminde kullanılabilirliği, 2015 - 2016

Altın İ., Sökmen M., Project Supported by Other Official Institutions, Nano-Gümüş Esaslı Antibakteriyal Yer ve Yüzey Dezenfektan Geliştirilmesi, 2014 - 2015

Altın İ., Sökmen M., Project Supported by Higher Education Institutions, TiO₂ yüklenmiş polistiren EPS in ağır metal gideriminde kullanılabilirliğinin araştırılması ve antibakteriyal özellikleri, 2012 - 2013

Altın İ., Sökmen M., Project Supported by Higher Education Institutions, Genleştirilmiş polistiren EPS atığının çeşitli kirletici türlerinin gideriminde kullanılabilirliğinin araştırılması, 2011 - 2012

SÖKMEN M., TUBITAK Project, Kendi Kendini Temizleme Özelliğine Sahip Titanyum Dioksit Nanofilm Kaplı Malzeme Üretimi ve Fotokatalitik Dezenfeksiyon Uygulamaları, 2008 - 2010

Scientific Refereeing

PROCESS SAFETY AND ENVIRONMENTAL PROTECTION, SCI Journal, September 2023
CHEMICAL ENGINEERING JOURNAL, SCI Journal, September 2023
Inorganic and Nano-Metal Chemistry, SCI Journal, August 2023
CATALYSTS, SCI Journal, July 2023
Materials, SCI Journal, November 2022
WATER, AIR AND SOIL POLLUTION : AN INTERNATIONAL JOURNAL OF ENVIRONMENTAL POLLUTION, SCI Journal, October 2022
SEPARATIONS, SCI Journal, October 2022
TUBITAK Project, 2209-A - Üniversite Öğrencileri Araştırma Projeleri Destekleme Programı, Karadeniz Technical University, Turkey, October 2022
KOSGEB, Karadeniz Technical University, Turkey, September 2022
Materials Letters: X, SCI Journal, August 2022
SEPARATIONS, SCI Journal, August 2022
Surfaces and Interfaces, SCI Journal, July 2022
SCIENCE OF THE TOTAL ENVIRONMENT, SCI Journal, April 2022
APPLIED SCIENCES-BASEL, SCI Journal, November 2021
WASTE AND BIOMASS VALORIZATION, SCI Journal, March 2021
TUBITAK Project, 2218 - Yurt İçi Doktora Sonrası Araştırma Burs Programı, TÜBİTAK, Turkey, January 2021
TUBITAK Project, 2218 - Yurt İçi Doktora Sonrası Araştırma Burs Programı, TÜBİTAK, Turkey, December 2020
Project Supported by Higher Education Institutions, BAP Research Project, Canakkale Onsekiz Mart University, Turkey, November 2020
Project Supported by Higher Education Institutions, BAP Research Project, Karadeniz Technical University, Turkey, September 2020
JOURNAL OF HAZARDOUS MATERIALS, SCI Journal, April 2020
JOURNAL OF HAZARDOUS MATERIALS, SCI Journal, April 2020
Project Supported by Higher Education Institutions, University Supported Other Projects, Karadeniz Technical University, Turkey, September 2019
SEPARATION SCIENCE AND TECHNOLOGY, SCI Journal, August 2019
Surfaces and Interfaces, SCI Journal, July 2019
SEPARATION SCIENCE AND TECHNOLOGY, SCI Journal, June 2019
Journal of Hazardous Materials, SCI Journal, February 2019
Journal of Hazardous Materials, SCI Journal, November 2018
Journal of Hazardous Materials, SCI Journal, November 2018
Journal of Hazardous Materials, SCI Journal, October 2018
Desalination and Water Treatment, SCI Journal, September 2017
Thin Solid Films, SCI Journal, September 2016
Universal Journal of Chemistry, SCI Journal, December 2015
Industrial & Engineering Chemistry Research, SCI Journal, September 2015

Tasks In Event Organizations

Altın İ., Yılmaz Çamoğlu A., International Conference on Chemical Energy and Semiconductor Photochemistry, Scientific Congress, Trabzon, Turkey, Eylül 2019

Scientific Research / Working Group Memberships

AB-Horizon 2020 - Interdisciplinary cross-sectoral approach to effectively address the removal of contaminants of

emerging concern from water, Università degli Studi di Trento, Italy, <https://www.aquality-etn.eu/>, 2017 - Continues

Metrics

Publication: 84

Citation (WoS): 651

Citation (Scopus): 704

H-Index (WoS): 17

H-Index (Scopus): 17

Congress and Symposium Activities

International Winter School on Mass Spectrometry and Third Aquality Meeting & Mid-Term Check, Attendee, Paris, France, 2019

First Aquality Symposium in the context of the European Marie Curie ITN project Aquality, Attendee, Clermont-Ferrand, France, 2018

Summer School in Fundamental Photochemistry and micropollutants photolysis, Attendee, Clermont-Ferrand, France, 2018

AB-H2020 Marie S. Curie ITN-ETN -Interdisciplinary cross-sectoral approach to effectively address the removal of contaminants of emerging concern from water (AQUALity), Workshop on PhD supervision, Attendee, Torino, Italy, 2017

AB-H2020 Marie S. Curie ITN-ETN -Interdisciplinary cross-sectoral approach to effectively address the removal of contaminants of emerging concern from water (AQUALity), KICK-OFF MEETING, Attendee, Torino, Italy, 2017

Awards

ALTIN İ., Hybrid Technologies for the Removal of Emerging Pollutants from Aqueous Systems, TÜBİTAK- 2024 Horizon 2020 Eşik Üstü Ödülü, October 2017

ALTIN İ., Sustainable Technologies for the removal of Emerging Pollutants from aqueous systems, TÜBİTAK- 2024 Horizon 2020 Eşik Üstü Ödülü, October 2016

Non Academic Experience

Dezenkon Kimya Temizlik Turizm İnşaat Sanayi ve Ticaret A.Ş.