

Prof. MELTEM ASİLTÜRK ERSOY

Personal Information

Office Phone: [+90 242 310 6356](tel:+902423106356)

Email: meltemasilturk@akdeniz.edu.tr

Web: <https://avesis.akdeniz.edu.tr/meltemasilturk>

Address: Akdeniz Üniversitesi Mühendislik Fakültesi Malzeme Bilimi ve Mühendisliği Bölümü 07058 Antalya

International Researcher IDs

ORCID: 0000-0001-8447-5684

Publons / Web Of Science ResearcherID: B-2989-2013

Yoksis Researcher ID: 131384

Education Information

Doctorate, Inonu University, Fen Bilimleri Enstitüsü, Kimya Anabilim Dalı, Turkey 2001 - 2007

Postgraduate, Inonu University, Fen Bilimleri Enstitüsü, Kimya Anabilim Dalı, Turkey 1998 - 2001

Undergraduate, Inonu University, Fen-Edebiyat Fakültesi, Kimya Bölümü, Turkey 1993 - 1997

Foreign Languages

English, B2 Upper Intermediate

Dissertations

Doctorate, Metal Alkoksit Temelli Kompozit Materyal Sentezi ve Boya Adsorpsiyonunda Kullanımı, Inonu University, Fen Bilimleri Enstitüsü, Kimya, 2007

Postgraduate, Sulu Çözeltide o-Toludinin Elektrokimyasal Polimerizasyon Parametrelerinin İncelenmesi, Inonu University, Fen Bilimleri Enstitüsü, Kimya, 2001

Research Areas

Chemistry, Physical Chemistry, nanocomposites, Natural Sciences

Academic Titles / Tasks

Associate Professor, Akdeniz University, Faculty of Engineering, Department of Materials Science and Engineering, 2012
- Continues

Academic and Administrative Experience

Akdeniz University, Faculty of Engineering, Department of Materials Science and Engineering, 2012 - Continues

Courses

Kompozit Malzemeler, Undergraduate, 2013 - 2014

Malzeme Bilgisi, Undergraduate, 2013 - 2014

Genel Kimya, Undergraduate, 2013 - 2014

Genel Kimya, Undergraduate, 2013 - 2014

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Preparation, characterization of upconverting nanoparticles for uricase immobilization and controlled manipulation of uricase activity by near-infrared light**
Dik G., Ali Noma S. A., ULU A., Topel S. D., Asiltürk M., ATEŞ B.
Journal of Luminescence, vol.271, 2024 (SCI-Expanded)
- II. **Near-infrared inducible supports in bio-catalysts design: A useful and versatile tool in enhancement of enzyme activity**
Noma S. A. A., Dik G., GÜRSES C., Kuruçay A., Topel S. D., ULU A., Asiltürk M., ATEŞ B.
Molecular Catalysis, vol.560, 2024 (SCI-Expanded)
- III. **In vivo assessment of the toxic impact of exposure to magnetic iron oxide nanoparticles (IONPs) using Drosophila melanogaster**
Güneş M., Aktaş K., Yalçın B., Burgazlı A. Y., Asilturk M., ERDEM ÜNŞAR A., KAYA B.
Environmental Toxicology and Pharmacology, vol.107, 2024 (SCI-Expanded)
- IV. **Enhancement of enzyme activity by laser-induced energy propulsion of upconverting nanoparticles under near-infrared light: A comprehensive methodology for in vitro and in vivo applications**
ATEŞ B., ULU A., Asiltürk M., Noma S. A. A., Topel S. D., Dik G., ÖZHAN O., Bakar B., YILDIZ A., VARDI N., et al.
International Journal of Biological Macromolecules, vol.260, 2024 (SCI-Expanded)
- V. **Investigation of the effect of matrix-interface formed with silane-based coupling agents on physico-chemical behavior and flow distance of dental composites**
Acar Z. Y., Kocyigit M. T., Asilturk M.
JOURNAL OF MOLECULAR LIQUIDS, vol.378, 2023 (SCI-Expanded)
- VI. **Effects of doping on the thermophysical properties of Ag and Cu doped TiO₂ nanoparticles and their nanofluids**
Koçak Soylu S., Yeşil Acar Z., Asiltürk M., ATMACA İ.
Journal of Molecular Liquids, vol.368, 2022 (SCI-Expanded)
- VII. **Development of nanohybrid dental composite containing mesoporous carrier silica particles: Synthesis particles, determination of fluoride adsorption capacities, and addition of the composite**
Yeşil Acar Z., Tunç Koçyiğit M., Asiltürk M.
Polymer Composites, vol.43, no.11, pp.8545-8559, 2022 (SCI-Expanded)
- VIII. **An investigation on the influence of hydrolysis ratio and base type on the characterization of synthesised nano-TiO₂ by using sol-gel method**
Acar Z. Y., Asiltürk M.
Journal of Nanoparticle Research, vol.24, no.8, 2022 (SCI-Expanded)
- IX. **Experimental Study of Thermal and Pressure Performance of Porous Heat Sink Subjected to Al₂O₃-H₂O Nanofluid**
Ozbalci O., Dogan A., Asilturk M.
Electronics (Switzerland), vol.11, no.15, 2022 (SCI-Expanded)
- X. **Preparation of ceria by combined sol-gel and hydrothermal method: insights from the effects of different bases on the particle size distribution**
Yeşil Acar Z., Asiltürk M., ARPAÇ E.
Chemical Papers, vol.76, no.8, pp.4927-4939, 2022 (SCI-Expanded)
- XI. **Heat Transfer Performance of Plate Fin and Pin Fin Heat Sinks Using Al₂O₃/H₂O Nanofluid in Electronic Cooling**

Özbalcı O, Dogan A, Asiltürk M.

Processes, vol.10, no.8, 2022 (SCI-Expanded)

- XII. **Thermal Performance Testing of a Solar Water Heating System Using Core-Shell Structured Nanofluids**
ATMACA İ., Özdemir O. S., ÇAĞLAR A., Koçak Soylu S., Asiltürk M.
Nanoscale and Microscale Thermophysical Engineering, vol.26, no.4, pp.218-241, 2022 (SCI-Expanded)
- XIII. **Adsorption Isotherms, Thermodynamics, and Kinetic Modeling of Methylene Blue onto Novel Carbonaceous Adsorbent Derived from Bitter Orange Peels**
Gunay Gurer A., AKTAŞ K., Ozkaleli Akcetin M., ERDEM ÜNŞAR A., ASİLTÜRK M.
WATER AIR AND SOIL POLLUTION, vol.232, no.4, 2021 (SCI-Expanded)
- XIV. **Cellulose acetate encapsulated upconversion nanoparticles - A novel theranostic platform**
Topel S. D., Balcıoğlu S., Ateş B., Asiltürk M., Topel Ö., Ericson M. B.
MATERIALS TODAY COMMUNICATIONS, vol.26, 2021 (SCI-Expanded)
- XV. **Evaluation on reducing toxicity of fluoxastrobin with doped TiO₂ nanoparticles**
GÜNGÖRDÜ A., ÖZMEN N., ERDEMOĞLU S., ÖZHAN TURHAN D., ASİLTÜRK M., AKGEYİK E., ÖZMEN M.
TURKISH JOURNAL OF ZOOLOGY, vol.45, no.1, pp.11-24, 2021 (SCI-Expanded)
- XVI. **Improving heat transfer performance of an automobile radiator using Cu and Ag doped TiO₂ based nanofluids**
Soylu S. K., ATMACA İ., ASİLTÜRK M., DOĞAN A.
APPLIED THERMAL ENGINEERING, vol.157, 2019 (SCI-Expanded)
- XVII. **Investigation of The Effect Of TiO₂ Based Nanofluid Usage on Heat Transfer Performance in Automobile Radiator**
KOÇAK SOYLU S., ATMACA İ., ASİLTÜRK M., DOĞAN A.
APPLIED THERMAL ENGINEERING, vol.157, pp.1-9, 2019 (SCI-Expanded)
- XVIII. **Three-Dimensional Nano-Morphology of Carbon Nanotube/Epoxy Filled Poly(methyl methacrylate) Microcapsules**
Icduygu M. G., Asiltürk M., Yalcinkaya M. A., Hamidi Y. K., Altan M. C.
MATERIALS, vol.12, no.9, 2019 (SCI-Expanded)
- XIX. **Photocatalytic degradation of azo dye using core@shell nano-TiO₂ particles to reduce toxicity**
ÖZMEN N., ERDEMOĞLU S., GÜNGÖRDÜ A., ASİLTÜRK M., Turhan D. O., Akgeyik E., Harper S. L., ÖZMEN M.
ENVIRONMENTAL SCIENCE AND POLLUTION RESEARCH, vol.25, no.29, pp.29493-29504, 2018 (SCI-Expanded)
- XX. **Toxicological aspects of photocatalytic degradation of selected xenobiotics with nano-sized Mn-doped TiO₂**
ÖZMEN M., GÜNGÖRDÜ A., ERDEMOĞLU S., ÖZMEN N., ASİLTÜRK M.
AQUATIC TOXICOLOGY, vol.165, pp.144-153, 2015 (SCI-Expanded)
- XXI. **Effects of coating with different ceromers on the impact strength, transverse strength and elastic modulus of polymethyl methacrylate**
Gul E. B., Atala M. H., Eser B., Polat N. T., ASİLTÜRK M., GÜLTEK A.
DENTAL MATERIALS JOURNAL, vol.34, no.3, pp.379-387, 2015 (SCI-Expanded)
- XXII. **Preparation, Characterization and Photocatalytic Activities of TiO₂-coated Activated Carbon Catalysts for Rhodamine B Photodegradation**
ASİLTÜRK M., Sener S., Sener E.
BULLETIN OF THE KOREAN CHEMICAL SOCIETY, vol.36, no.2, pp.455-463, 2015 (SCI-Expanded)
- XXIII. **Synthesis of magnetic multicomponent nanoparticles CuxNi1-xFe₂O₄**
BİNGÖLBALİ A., Dogan N., YESİL Z., ASİLTÜRK M.
JOURNAL OF MAGNETISM AND MAGNETIC MATERIALS, vol.373, pp.222-225, 2015 (SCI-Expanded)
- XXIV. **Production of stable hydrosols of crystalline TiO₂ nanoparticles synthesized at relatively low temperatures in diverse media**
BURUNKAYA E., Akarsu M., ÇAMURLU H. E., KESMEZ O., YEŞİL Z., ASİLTÜRK M., ARPAÇ E.
Applied Surface Science, vol.265, pp.317-323, 2013 (SCI-Expanded)
- XXV. **IMMOBILIZATION OF GLUCOSE OXIDASE IN SILICA SOL-GEL FILM FOR APPLICATION TO BIOSENSOR**

AND AMPEROMETRIC DETERMINATION OF GLUCOSE

DEMİR KIRAN N., EKİNCİ E., ASİLTÜRK M.

JOURNAL OF THE CHILEAN CHEMICAL SOCIETY, vol.57, no.4, pp.1336-1339, 2012 (SCI-Expanded)

- XXVI. **Hydrophilic hybrid SiO₂:polyethylene glycol-3-isocyanato-propyltriethoxysilane nanocomposite films**
BURUNKAYA E., Kesmez Ö., KİRAZ N., ÇAMURLU H. E., Asilturk M., ARPAÇ E.
THIN SOLID FILMS, vol.522, pp.238-246, 2012 (SCI-Expanded)
- XXVII. **Sol-gel thin films with anti-reflective and self-cleaning properties**
ÇAMURLU H. E., Kesmez Ö., BURUNKAYA E., KİRAZ N., Yeşil Z., Asilturk M., ARPAÇ E.
CHEMICAL PAPERS, vol.66, no.5, pp.461-471, 2012 (SCI-Expanded)
- XXVIII. **TiO₂-activated carbon photocatalysts: Preparation, characterization and photocatalytic activities**
ASİLTÜRK M., Sener S.
CHEMICAL ENGINEERING JOURNAL, vol.180, pp.354-363, 2012 (SCI-Expanded)
- XXIX. **Effect of acid, water and alcohol ratios on sol-gel preparation of antireflective amorphous SiO₂ coatings**
Kesmez Ö., BURUNKAYA E., KİRAZ N., ÇAMURLU H. E., Asilturk M., ARPAÇ E.
JOURNAL OF NON-CRYSTALLINE SOLIDS, vol.357, no.16-17, pp.3130-3135, 2011 (SCI-Expanded)
- XXX. **Preparation of Sn doped nanometric TiO₂ powders by reflux and hydrothermal syntheses and their characterization**
KİRAZ N., BURUNKAYA E., Kesmez Ö., ÇAMURLU H. E., Asilturk M., Yeşil Z., ARPAÇ E.
JOURNAL OF SOL-GEL SCIENCE AND TECHNOLOGY, vol.59, no.2, pp.381-386, 2011 (SCI-Expanded)
- XXXI. **Structural and optical properties of thin films prepared from surface modified ZrO₂**
Asilturk M., BURUNKAYA E., Sayilkan F., KİRAZ N., ARPAÇ E.
JOURNAL OF NON-CRYSTALLINE SOLIDS, vol.357, no.1, pp.206-210, 2011 (SCI-Expanded)
- XXXII. **Antibacterial glass films prepared on metal surfaces by sol-gel method**
KİRAZ N., Kesmez Ö., BURUNKAYA E., Budama L., ACAR B., Asilturk M., ÇAMURLU H. E., ARPAÇ E.
JOURNAL OF SOL-GEL SCIENCE AND TECHNOLOGY, vol.56, no.3, pp.227-235, 2010 (SCI-Expanded)
- XXXIII. **Sol-gel synthesis of IPTES and D10H consisting fluorinated silane system for hydrophobic applications**
BURUNKAYA E., KİRAZ N., Kesmez Ö., Asilturk M., ÇAMURLU H. E., ARPAÇ E.
JOURNAL OF SOL-GEL SCIENCE AND TECHNOLOGY, vol.56, no.2, pp.99-106, 2010 (SCI-Expanded)
- XXXIV. **Sol-gel synthesis of 3-(triethoxysilyl)propylsuccinicanhydride containing fluorinated silane for hydrophobic surface applications**
KİRAZ N., BURUNKAYA E., Kesmez Ö., Asilturk M., ÇAMURLU H. E., ARPAÇ E.
JOURNAL OF SOL-GEL SCIENCE AND TECHNOLOGY, vol.56, no.2, pp.157-166, 2010 (SCI-Expanded)
- XXXV. **Effect of amine catalysts on preparation of nanometric SiO₂ particles and antireflective films via sol-gel method**
Kesmez Ö., KİRAZ N., BURUNKAYA E., ÇAMURLU H. E., Asilturk M., ARPAÇ E.
JOURNAL OF SOL-GEL SCIENCE AND TECHNOLOGY, vol.56, no.2, pp.167-176, 2010 (SCI-Expanded)
- XXXVI. **Preparation of aluminum-doped zinc oxide (AZO) nano particles by hydrothermal synthesis**
BURUNKAYA E., KİRAZ N., KESMEZ O., ÇAMURLU H. E., Asilturk M., ARPAÇ E.
JOURNAL OF SOL-GEL SCIENCE AND TECHNOLOGY, vol.55, no.2, pp.171-176, 2010 (SCI-Expanded)
- XXXVII. **Sn⁴⁺ or Ce³⁺ doped TiO₂ photocatalytic nanometric films on antireflective nano-SiO₂ coated glass**
BURUNKAYA E., KESMEZ O., KİRAZ N., ÇAMURLU H. E., ASİLTÜRK M., ARPAÇ E.
MATERIALS CHEMISTRY AND PHYSICS, vol.120, no.2-3, pp.272-276, 2010 (SCI-Expanded)
- XXXVIII. **Roasting-Related Changes in Oxidative Stability and Antioxidant Capacity of Apricot Kernel Oil**
DURMAZ G., KARABULUT İ., TOPCU A., ASİLTÜRK M., Kutlu T.
JOURNAL OF THE AMERICAN OIL CHEMISTS SOCIETY, vol.87, no.4, pp.401-409, 2010 (SCI-Expanded)
- XXXIX. **Hydrothermal synthesis and characterization of nanocrystalline ZrO₂ and surface modification with 2-acetoacetoxyethyl methacrylate**
Sayilkan F., Asilturk M., Burunkaya E., ARPAÇ E.
JOURNAL OF SOL-GEL SCIENCE AND TECHNOLOGY, vol.51, no.2, pp.182-189, 2009 (SCI-Expanded)

- XL. **Photocatalytic antibacterial performance of Sn⁴⁺-doped TiO₂ thin films on glass substrate**
Sayilkan F., Asilturk M., KIRAZ N., BURUNKAYA E., ARPAÇ E., Sayilkan H.
JOURNAL OF HAZARDOUS MATERIALS, vol.162, no.2-3, pp.1309-1316, 2009 (SCI-Expanded)
- XLI. **Effect of Fe³⁺ ion doping to TiO₂ on the photocatalytic degradation of Malachite Green dye under UV and vis-irradiation**
Asilturk M., Sayilkan F., ARPAÇ E.
JOURNAL OF PHOTOCHEMISTRY AND PHOTOBIOLOGY A-CHEMISTRY, vol.203, no.1, pp.64-71, 2009 (SCI-Expanded)
- XLII. **Photocatalytic degradation of Congo Red by hydrothermally synthesized nanocrystalline TiO₂ and identification of degradation products by LC-MS**
ERDEMOĞLU S., Aksu S. K., Sayilkan F., İZGİ B., ASİLTÜRK M., Sayilkan H., Frimmel F., Guecer S.
JOURNAL OF HAZARDOUS MATERIALS, vol.155, no.3, pp.469-476, 2008 (SCI-Expanded)
- XLIII. **Photocatalytic performance of Sn-doped TiO₂ nanostructured thin films for photocatalytic degradation of malachite green dye under UV and VIS-lights**
Sayilkan F., Asilturk M., TATAR P., KIRAZ N., ŞENER S., ARPAÇ E., Sayilkan H.
MATERIALS RESEARCH BULLETIN, vol.43, no.1, pp.127-134, 2008 (SCI-Expanded)
- XLIV. **Preparation of re-usable photocatalytic filter for degradation of Malachite Green dye under UV and vis-irradiation**
SAYILKAN F., Asilturk M., TATAR P., Kiraz N., Arpac E., SAYILKAN H.
JOURNAL OF HAZARDOUS MATERIALS, vol.148, no.3, pp.735-744, 2007 (SCI-Expanded)
- XLV. **Antibacterial thin films on glass substrate by sol-gel process**
TATAR P., Kiraz N., Asilturk M., SAYILKAN F., SAYILKAN H., Arpac E.
JOURNAL OF INORGANIC AND ORGANOMETALLIC POLYMERS AND MATERIALS, vol.17, no.3, pp.525-533, 2007 (SCI-Expanded)
- XLVI. **Photocatalytic performance of Sn-doped TiO₂ nanostructured mono and double layer thin films for Malachite Green dye degradation under UV and vis-lights**
SAYILKAN F., Asilturk M., TATAR P., Kiraz N., Arpac E., SAYILKAN H.
JOURNAL OF HAZARDOUS MATERIALS, vol.144, no.1-2, pp.140-146, 2007 (SCI-Expanded)
- XLVII. **Photocatalytic performance of Sn-doped and undoped TiO₂ nanostructured thin films under UV and vis-lights**
Arpac E., SAYILKAN F., Asilturk M., TATAR P., Kiraz N., SAYILKAN H.
JOURNAL OF HAZARDOUS MATERIALS, vol.140, no.1-2, pp.69-74, 2007 (SCI-Expanded)
- XLVIII. **Hydrothermal synthesis, characterization and photocatalytic activity of nanosized TiO₂ based catalysts for rhodamine B degradation**
Sayilkan F., ASİLTÜRK M., Şener S., Erdemoğlu S., Erdemoğlu M., Sayilkan H.
TURKISH JOURNAL OF CHEMISTRY, vol.31, no.2, pp.211-221, 2007 (SCI-Expanded)
- XLIX. **Photocatalytic performance of pure anatase nanocrystallite TiO₂ synthesized under low temperature hydrothermal conditions**
Sayilkan F., Erdemoğlu S., Asilturk M., Akarsu M., Şener S., Sayilkan H., Erdemoğlu M., Arpac E.
MATERIALS RESEARCH BULLETIN, vol.41, no.12, pp.2276-2285, 2006 (SCI-Expanded)
- L. **Characterization of the hydrothermally synthesized nano-TiO₂ crystallite and the photocatalytic degradation of Rhodamine B**
Asilturk M., Sayilkan F., Erdemoğlu S., Akarsu M., Sayilkan H., Erdemoğlu M., Arpac E.
JOURNAL OF HAZARDOUS MATERIALS, vol.129, no.1-3, pp.164-170, 2006 (SCI-Expanded)
- LI. **The synthesis and application of Pb-doped GLYMO/chelated-zirconium complex coating materials for UV-light absorption**
ASİLTÜRK M., Sayilkan F., Sayilkan H., Icduygu G.
JOURNAL OF APPLIED POLYMER SCIENCE, vol.99, no.3, pp.1175-1179, 2006 (SCI-Expanded)
- LII. **Characterization and photocatalytic properties of TiO₂-nanosols synthesized by hydrothermal process at low temperature**
Sayilkan F., Asilturk M., Erdemoğlu S., Akarsu M., Sayilkan H., Erdemoğlu M., Arpac E.

MATERIALS LETTERS, vol.60, no.2, pp.230-235, 2006 (SCI-Expanded)

- LIII. **A novel approach to the hydrothermal synthesis of anatase Titania nanoparticles and the photocatalytic degradation of rhodamine B**
Akarsu M., Asiltürk M., Sayilkan F., Kiraz N., Arpac E., Sayilkan H.
TURKISH JOURNAL OF CHEMISTRY, vol.30, no.3, pp.333-343, 2006 (SCI-Expanded)
- LIV. **UV-absorption and thermal properties of Pb-doped glymo/damo-derived coating materials prepared by sol-gel process**
Sayilkan F., ASİLTÜRK M., İçduygu M. G., Sayilkan H.
JOURNAL OF MATERIALS SCIENCE, vol.40, no.21, pp.5779-5782, 2005 (SCI-Expanded)
- LV. **The synthesis and applications of Cr-doped GLYMO and GLYMO/DAMO surface coating systems for absorbing UV-light by sol-gel process**
ASİLTÜRK M., Sayilkan F., Icduygu G., Sayilkan H.
TURKISH JOURNAL OF CHEMISTRY, vol.29, no.1, pp.83-93, 2005 (SCI-Expanded)
- LVI. **Characterization of TiO₂ synthesized in alcohol by a sol-gel process: The effects of annealing temperature and acid catalyst**
Sayilkan F., Asiltürk M., Sayilkan H., Önal Y., Akarsu M., Arpac E.
TURKISH JOURNAL OF CHEMISTRY, vol.29, no.6, pp.697-706, 2005 (SCI-Expanded)
- LVII. **The effect of silane modification on the adsorptive properties of natural pyrophyllite and synthetic titanium-based powders prepared by the sol-gel process**
Şener Ş., Erdemoğlu M., ASİLTÜRK M., Sayilkan H.
TURKISH JOURNAL OF CHEMISTRY, vol.29, no.5, pp.487-495, 2005 (SCI-Expanded)

Articles Published in Other Journals

- I. **ARSENIC REMOVAL TECHNOLOGIES: MAPPING GLOBAL RESEARCH ACTIVITIES (1970-2019)**
Aktaş K., Karadirek İ. E., Göktepe D. H., Asiltürk Ersoy M., Erdem Ünşar A.
Kocaeli Journal of Science and Engineering, vol.5, no.1, pp.42-53, 2022 (Peer-Reviewed Journal)

Refereed Congress / Symposium Publications in Proceedings

- I. **Nanoakışkanlar ve Güneş Enerjili Sıcak Su Sistemlerinde Kullanımı**
ATMACA İ., KOÇAK SOYLU S., ÖZDEMİR O. S., ASİLTÜRK M.
8. Güneş Enerjisi Sistemleri Sempozyumu ve Sergisi, Mersin, Turkey, 8 - 09 November 2019
- II. **Al₂O₃-Su Nanoakışkan Kullanımının Isınan Bir Yüzeyden Olan Isı Transferine Etkisinin Deneysel Olarak İncelenmesi**
ÖZBALCI O., DOĞAN A., ASİLTÜRK M.
22. Isı Bilimi ve Tekniği Kongresi, Kocaeli, Turkey, 11 - 14 September 2019, pp.35-40
- III. **Dye adsorption on activated carbon produced from Citrus aurentium peels**
Aktaş K., Günay A., Özkaleli M., Asiltürk Ersoy M., Erdem Ünşar A.
1st Eurasia Environmental Chemistry Congress (EnviroChem), Antalya, Turkey, 1 - 04 November 2018, pp.49
- IV. **Activated carbon production from local agricultural residue**
GÜNAY A., AKTAŞ K., ÖZKALELİ M., ASİLTÜRK M., ERDEM A.
4th International Conference on Environmental Science and Technology, Kiev, Ukraine, 19 - 23 September 2018, vol.-
- V. **Kinetic study of dye adsorption on activated carbon produced from bitter orange peels**
GÜNAY A., AKTAŞ K., ÖZKALELİ M., ASİLTÜRK M., ERDEM A.
4th International Conference on Environmental Science and Technology, Kiev, Ukraine, 19 - 23 September 2018, vol.-
- VI. **Kinetic Study of Dye Adsorption on Activated Carbon Produced from Bitter Orange Peels**

Aktaş K., Günay A., Özkaleli M., Asiltürk Ersoy M., Erdem Ünşar A.

4th International Conference on Environmental Science and Tehnology (ICOEST), Kyyiv, Ukraine, 19 - 23 September 2018, pp.1

VII. Activated Carbon Production from Local Agricultural Resid

Günay A., Aktaş K., Özkaleli M., Asiltürk Ersoy M., Erdem Ünşar A.

4th International Conference on Environmental Science and Technology (ICOEST), Kyyiv, Ukraine, 19 - 23 September 2018, pp.81

VIII. Kinetic study of dye adsorption on activated carbon produced from bitter orange peels

GÜNAY A., AKTAŞ K., ÖZKALELİ M., ASİLTÜRK M., ERDEM A.

4th International Conference on Environmental Science and Technology, Kiev, Ukraine, 19 - 23 September 2018, vol.-

IX. Nanopartikül tutturulmuş aktif karbon ile ortam havasında uçucu organik bileşik gideriminin değerlendirilmesi

Olgun B., Erdem Ünşar A., Asiltürk Ersoy M., Doğan G.

VII. Ulusal Hava Kirliliği ve Kontrolü Sempozyumu, Antalya, Turkey, 1 - 03 November 2017, pp.1-12

X. Effect of Total Filler Content and Micron Particle Size on Biomachanical Performance of Nanohybrid Composite Developed for Potential Dental Applications

YEŞİL ACAR Z., KİRAZ N., ASİLTÜRK M.

V. Uluslararası Polimerikler Sempozyumu ve Çalıştayları, İzmir, Turkey, 2 - 04 November 2017

XI. Development of Multifunctional Cellulose Acetate Micro/Nanocapsules as pH-Responsive Drug Carriers

DEMİREL TOPEL S., ASİLTÜRK M., TOPEL Ö.

13th Nanoscience Nanotechnology Conference, Antalya, Turkey, 22 - 25 October 2017, pp.37

XII. Synthesis and Characterization of Neodymium Sensitized Upconversion Nanoparticles for Bioimaging Applications

TOPEL Ö., Demirel Topel S., ASİLTÜRK M.

13th Nanoscience Nanotechnology Conference, Antalya, Turkey, 22 - 25 October 2017, pp.346

XIII. Magnetic-Upconversion Fe₃O₄-NaGdF₄,Yb₃,Er₃ Luminescence Nanocomposites: Synthesis, Magnetization, Optical Properties And Cytotoxicity

Demirel Topel S., DOĞAN BİNGÖLBALİ N., ATEŞ B., TOPEL Ö., ASİLTÜRK M.

13th Nanoscience Nanotechnology Conference, Antalya, Turkey, 22 - 25 October 2017, pp.167

XIV. Toxic Equivalency Approach for Risk Assessment of Polyaromatic Hydrocarbons, Antalya, Turkey Case Study

ÖZKALELİ M., ERDEM A., Kurt Karakuş P. B., Günay A., MORAL Ç., ASİLTÜRK M.

III International Conference on Environmental Science and Technology, Budapeşte, Hungary, 19 - 23 October 2017, pp.76

XV. Evaluation of Dental Resin Nanocomposites Containing Nanosized/Microsized Fillers and Hydrophobic and/or Antibacterial Agents

YEŞİL ACAR Z., KİRAZ N., ASİLTÜRK M.

International Congress on, Chemical, Biological and Environmental Science, Kyoto, Japan, 9 - 11 May 2017

XVI. Current Research Trends in Environmental Engineering: Content Analysis of Publications on Micropollutants

ÖZKALELİ M., GÜNAY A., ASİLTÜRK M., MORAL Ç., ERDEM A.

International Congress on Chemical, Biological and Environmental Sciences, Kyoto, Japan, 9 - 11 May 2017, vol.1, no.1, pp.35-37

XVII. Preparation and Characterization of Zinc Oxide/Activated Carbon Composites for Heterogeneous Photocatalysis Application

GÜNAY A., ÖZKALELİ M., MORAL Ç., ERDEM A., ASİLTÜRK M.

International Congress on Chemical, Biological and Environmental Sciences, Kyoto, Japan, 9 - 11 May 2017, vol.1, no.1, pp.138-140

XVIII. Comparison of Two Different Photocatalysts for Photodegradation of Bisphenol-A in Water under UV

Light Irradiation

GÜNAY A., ÖZKALELİ M., MORAL Ç., ERDEM A., ASİLTÜRK M.

International Congress on Chemical, Biological and Environmental Sciences, Kyoto, Japan, 9 - 11 May 2017, vol.1, no.1, pp.465-467

- XIX. **Microcapsules of Poly(methyl methacrylate) Containing Epoxy Resin and Multi-Walled Carbon Nanotubes**
Icduygu M. G., ASİLTÜRK M., Altan M. C.
32nd International Conference of the Polymer-Processing-Society (PPS), Lyon, France, 25 - 29 July 2016, vol.1914
- XX. **The Importance of Whole Water Approach In Establishing the Environmental Quality Standards of Water Framework Directive**
ÖZKALELİ M., ERDEM A., ASİLTÜRK M., MORAL Ç., GÜNAY A., KURT KARAKUŞ P. B.
1st International Black Sea Congress On Environmental Sciences (IBCESS), Giresun, Turkey, 31 August - 03 September 2016, vol..
- XXI. **Preliminary Assessment of the Future Needs for Micropollutants in Turkey under Water Framework Directive Using Bibliometric Approach**
Özkaleli M., GEDİK K., ERDEM A., Kurt Karakuş P. B., MORAL Ç., ASİLTÜRK M.
SETAC Europe 26th Annual Meeting, Nantes, France, 22 - 26 May 2016, pp.1
- XXII. **Preliminary Assessment of the Future Needs for Micropollutants in Turkey under Water Framework Directive Using Bibliometric Approach**
ÖZKALELİ M., ERDEM A., KURT KARAKUŞ P. B., MORAL Ç., ASİLTÜRK M.
SETAC Europa 26th Annual Meeting, Nantes, France, 22 - 26 May 2016, vol..
- XXIII. **The Effect of Inorganic Fillers Size on Flexural Strength of Dental Composite Materials**
YEŞİL ACAR Z., KİRAZ N., ASİLTÜRK M.
14th International Union of Materials Research Societies-International Conference on Advanced Materials, JEJU, South Korea, 25 - 29 October 2015
- XXIV. **The Effect of PMMA Type on Mechanical Behavior of Dental Composites**
YEŞİL ACAR Z., KİRAZ N., ASİLTÜRK M.
14th International Union of Materials Research Societies-International Conference on Advanced Materials (IUMRS-ICAM), JEJU, South Korea, 25 - 29 October 2015
- XXV. **PREPARATION, STRUCTURE, AND MAGNETIC PROPERTIES OF CuMnFe₂O₄ NANOPARTICLES FOR MAGNETIC PARTICLE IMAGING**
Dogan N., BİNGÖLBALİ A., Arda L., ASİLTÜRK M.
International Workshop on Magnetic Particle Imaging (IWMPPI), California, United States Of America, 23 - 24 March 2013
- XXVI. **Development of amperometric glucose biosensor by sol-gel immobilization of glucose oxidase**
Demirkıran N., Ekinci E., Asiltürk Ersoy M.
9th International Electrochemistry Meeting in Turkey, İzmir, Turkey, 25 - 29 September 2011, pp.310
- XXVII. **Effect of Acid and Water on Sol-Gel Preparation of Antireflective Amorphous SiO₂ Coatings**
Kesmez Ö., Akarsu E., Yeşil Z., Kiraz N., Çamurlu H. E., Asiltürk M., Arpaç E.
NanoTR VII 2011 - Nanoscience and Nanotechnology Conference, İstanbul, Turkey, 27 June - 01 July 2011, pp.1
- XXVIII. **Sn⁴⁺ or Ce³⁺ doped TiO₂ photocatalytic nanofilms on antireflective nano-SiO₂ coated glass**
Yeşil Z., Kesmez Ö., Akarsu E., Kiraz N., Çamurlu H. E., Asiltürk M., Arpaç E.
NanoTR VII 2011 - Nanoscience and Nanotechnology Conference, İstanbul, Turkey, 27 June - 01 July 2011, pp.1
- XXIX. **Sn⁴⁺ or Ce³⁺ Doped TiO₂ Photocatalytic Nanofilms on Antireflective Nano-SiO₂ Coated Glass**
Yeşil Z., Kesmez Ö., Burunkaya E., Kiraz N., Çamurlu H. E., Asiltürk Ersoy M., Arpaç E.
NanoTR VII 2011 - Nanoscience and Nanotechnology Conference, İstanbul, Turkey, 27 June - 01 July 2011, pp.55
- XXX. **Effect of acid and water on sol-gel preparation of antireflective amorphous SiO₂ coatings**
Kesmez Ö., Burunkaya E., Yeşil Z., Kiraz N., Çamurlu H. E., Asiltürk Ersoy M., Arpaç E.
NanoTR VII 2011- Nanoscience and Nanotechnology Conference, İstanbul, Turkey, 27 June - 01 July 2011, pp.53
- XXXI. **SiO₂:PEG-IPTES Hybrid Hydrophilic Films**
Kesmez Ö., Kiraz N., Çamurlu H. E., Asiltürk M., Arpaç E.

- Hybrid Materials 2011, Strasbourg, France, 6 - 10 March 2011, pp.1
- XXXII. **Preparation and characterization of ZrO₂-AAEM hybrid thin films**
Akarsu E., Asiltürk M., Sayılkan F., Çamurlu H. E., Kesmez Ö., Kiraz N.
Hybrid Materials 2011, Strasbourg, France, 6 - 10 March 2011, pp.1
- XXXIII. **SiO₂:PEG-IPTES Hybrid Hydrophilic Films**
Burunkaya E., Kesmez Ö., Kiraz N., Çamurlu H. E., Asiltürk Ersoy M., Arpaç E.
Second International Conference on Multifunctional, Hybrid and Nanomaterials, Strasbourg, France, 6 - 11 March 2011, pp.28
- XXXIV. **Preparation and characterization of ZrO₂-2-AAEM hybrid thin films**
Burunkaya E., Asiltürk Ersoy M., Sayılkan F., Çamurlu H. E., Kesmez Ö., Kiraz N.
Second International Conference on Multifunctional, Hybrid and Nanomaterials, Strasbourg, France, 6 - 10 March 2011, pp.28
- XXXV. **Hydrothermal Synthesis of ITO for transparent and reflective thin films**
ASİLTÜRK M., AKARSU E., KIRAZ N., KESMEZ Ö., ARPAÇ E.
6th Nanoscience and Nanotechnology Conference - NanoTR-VI, Turkey, 15 - 18 June 2010
- XXXVI. **Preparation of aluminum-doped zinc oxide (AZO) nano particles by hydrothermal synthesis**
Kiraz N., Akarsu E., Kesmez Ö., Yeşil Z., Asiltürk M., Arpaç E.
6th Nanoscience and Nanotechnology Conference (NanoTR-VI), İzmir, Turkey, 15 - 18 June 2010, pp.223
- XXXVII. **Hydrothermal synthesis of indium tin oxide for transparent and reflective thin films**
Asiltürk Ersoy M., Burunkaya E., Kiraz N., Kesmez Ö., Arpaç E.
NanoTR VI 2010-Nanoscience and Nanotechnology Conference, İzmir, Turkey, 15 - 18 June 2010, pp.222
- XXXVIII. **Preparation of aluminium-doped zinc oxide (AZO) nano particles by hydrothermal synthesis**
Kiraz N., Burunkaya E., Kesmez Ö., Yeşil Z., Asiltürk Ersoy M., Arpaç E.
NanoTR VI 2010-Nanoscience and Nanotechnology Conference, İzmir, Turkey, 15 - 18 June 2010, pp.223
- XXXIX. **Hydrothermal synthesis of indium tin oxide for transparent and reflective thin films**
Asiltürk M., Akarsu E., Kiraz N., Kesmez Ö., Arpaç E.
6th Nanoscience and Nanotechnology Conference (NanoTR-VI), İzmir, Turkey, 15 - 18 June 2010, pp.332
- XL. **Nano ZrO₂ Sentezi, Yüzey Modifikasyonu ve Hibrit Malzemelerin Hazırlanması**
Akarsu E., Arpaç E., Sayılkan H., Okuşluk F., Asiltürk M.
XXII. Ulusal Kimya Kongresi, Gazimagusa, Cyprus (Kkct), 6 - 10 October 2008, pp.41
- XLI. **Synthesis of nano TiO₂ particles by hydrothermal method**
Sayılkan H., Arpaç E., Sayılkan F., Asiltürk Ersoy M., Avcı G. G.
13. Uluslararası Metalurji ve Malzeme Kongresi, İstanbul, Turkey, 9 - 11 November 2006, pp.771-775
- XLII. **Nano-Anataz TiO₂ Synthesis and Investigation of Its Photocatalytic Activity**
Sayılkan F., Tatar P., Asiltürk Ersoy M., Kiraz N., Arpaç E., Sayılkan H., Günay V., Avcı G. G.
6. Uluslararası Boya, Vernik, Mürekkep ve Yardımcı Maddeler Sanayi Kongresi ve Fuarı, İstanbul, Turkey, 17 - 19 May 2006, pp.383-390

Supported Projects

Kiraz N., Yeşil Acar Z., Asiltürk Ersoy M., Industrial Thesis Project, Antibacterial Hydrophobic Next-Generation Dental Composite Production, 2013 - 2016

Metrics

Publication: 100

Citation (WoS): 1587

Citation (Scopus): 1776

H-Index (WoS): 22

H-Index (Scopus): 24