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Education Information

Doctorate, Ege University, Fen Fakültesi, Kimya Bölümü, Turkey 2000 - 2007

Post Graduate, Canakkale Onsekiz Mart University, Fen-Edebiyat Fakültesi, Kimya Bölümü, Turkey 1997 - 2000

Under Graduate, Inonu University, Fen-Edebiyat Fakültesi, Kimya Bölümü, Turkey 1990 - 1994

Dissertations

Doctorate, Synthesis of PHEMA-Montmorillonite nanocomposite via in situ atom transfer radical polymerization , Ege University, Fen Bilimleri Enstitüsü, Kimya Bölümü, 2007

Post Graduate, Condensation aniline and side chain acetic anhydride modified polystyrene by Lewis acid , Canakkale Onsekiz Mart University, Fen Bilimleri Enstitüsü, Kimya Bölümü, 2000

Research Areas

Chemistry, Physical Chemistry, nanocomposites, Polymeric Materials, Natural Sciences

Academic Titles / Tasks

Professor, Canakkale Onsekiz Mart University, Fen Edebiyat Fakültesi, Kimya, 2021 - Continues

Assistant Professor, Canakkale Onsekiz Mart University, Fen-Edebiyat, Kimya, 2011 - Continues

Associate Professor, Canakkale Onsekiz Mart University, 2015 - 2021

Advising Theses

ORAL A., kollojen-polimer, Doctorate, İ.BAŞARAN(Student), Continues

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

- On the Effect of Modified Carbohydrates on the Size and Shape of Gold and Silver Nanostructures**
YAZGAN İ., GÜMÜŞ A., GÖKKUŞ K., Demir M. A. , Evecen S., Sonmez H. A. , Miller R. M. , Bakar F., ORAL A., Popov S., et al.
NANOMATERIALS, vol.10, no.7, 2020 (Journal Indexed in SCI)

- II. **P(2-VP) supported Ru(II) material as catalyst for H₂ production from the methanolysis of NaBH₄**
TERCAN YAVAŞOĞLU M., Karacan Yeldir E., DAYAN O., ORAL A.
INORGANIC AND NANO-METAL CHEMISTRY, 2020 (Journal Indexed in SCI)
- III. **Anticancer activity of Turkish marine extracts: a purple sponge extract induces apoptosis with multitarget kinase inhibition activity**
CIFTCI H., CAN M., ELLAKWA D. E. , SUNER S. C. , Ibrahim M. A. , ORAL A., Sekeroglu N., OZALP B., OTSUKA M., FUJITA M., et al.
INVESTIGATIONAL NEW DRUGS, 2020 (Journal Indexed in SCI)
- IV. **Geraniol and cinnamaldehyde as natural antibacterial additives for poly(lactic acid) and their plasticizing effects**
Akgun M., Basaran I., Suner S. C. , ORAL A.
JOURNAL OF POLYMER ENGINEERING, vol.40, no.1, pp.38-48, 2020 (Journal Indexed in SCI)
- V. **Natural-based polymers for antibacterial treatment of absorbent materials**
KAPLAN S., Aslan S., ULUSOY S., ORAL A.
JOURNAL OF APPLIED POLYMER SCIENCE, vol.137, no.3, 2020 (Journal Indexed in SCI)
- VI. **Chemical, mineralogical and structural features of native and expanded perlite from Macedonia**
REKA A. A. , PAVLOVSKI B., LISICHKOV K., JASHARI A., BOEV B., BOEV I., LAZAROVA M., ESKİZEYBEK V., ORAL A., JOVANOVSKI G., et al.
Geologia Croatica, vol.72, no.3, pp.215-221, 2019 (Journal Indexed in SCI)
- VII. **Structural changes in Poly(lactic acid)-zeolite nanocomposites exposed to Co-60 gamma rays**
YILDIRIM Y., ORAL A.
RADIATION EFFECTS AND DEFECTS IN SOLIDS, vol.173, pp.435-445, 2018 (Journal Indexed in SCI)
- VIII. **Grafting of poly(epsilon-caprolactone) on electrospun gelatin nanofiber through surface-initiated ring-opening polymerization**
Basaran I., ORAL A.
INTERNATIONAL JOURNAL OF POLYMERIC MATERIALS AND POLYMERIC BIOMATERIALS, vol.67, no.18, pp.1051-1058, 2018 (Journal Indexed in SCI)
- IX. **Preparation of Poly(lactic acid) Nanocomposite via Catalyst-Modified Montmorillonite**
Basaran I., ORAL A.
POLYMER-PLASTICS TECHNOLOGY AND ENGINEERING, vol.54, no.14, pp.1505-1512, 2015 (Journal Indexed in SCI)
- X. **The influence of gamma-ray irradiation on the thermal stability and molecular weight of Poly(L-Lactic acid) and its nanocomposites**
YILDIRIM Y., ORAL A.
RADIATION PHYSICS AND CHEMISTRY, vol.96, pp.69-74, 2014 (Journal Indexed in SCI)
- XI. **Synthesis and Characterization of Poly(L-Lactic acid)/Clay Nanocomposite via Metal-Free Process**
Basaran I., ORAL A.
POLYMER-PLASTICS TECHNOLOGY AND ENGINEERING, vol.52, no.12, pp.1271-1276, 2013 (Journal Indexed in SCI)
- XII. **Synthesis of Poly(cyclohexene oxide)-Montmorillonite Nanocomposite via In Situ Photoinitiated Cationic Polymerization with Bifunctional Clay**
Bayram I., ORAL A., ŞİRİN K.
JOURNAL OF CHEMISTRY, 2013 (Journal Indexed in SCI)
- XIII. **Preparation and characterization of chitosan/montmorillonite-K10 nanocomposites films for food packaging applications**
KASIRGA Y., ORAL A., CANER C.
POLYMER COMPOSITES, vol.33, no.11, pp.1874-1882, 2012 (Journal Indexed in SCI)
- XIV. **Poly(cyclohexene oxide)/Clay Nanocomposites by Photoinitiated Cationic Polymerization via Activated Monomer Mechanism**
ORAL A., Tasdelen M. A. , Demirel A. L. , Yağcı Y.
JOURNAL OF POLYMER SCIENCE PART A-POLYMER CHEMISTRY, vol.47, no.20, pp.5328-5335, 2009 (Journal

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- XV. **Polystyrene functionalized carbazole and electrochromic device application**
Oral A., KOYUNCU S., KAYA İ.
SYNTHETIC METALS, vol.159, pp.1620-1627, 2009 (Journal Indexed in SCI)
- XVI. **Poly(methyl methacrylate)/clay nanocomposites by photoinitiated free radical polymerization using intercalated monomer**
ORAL A., Tasdelen M. A. , Demirel A. L. , Yağcı Y.
POLYMER, vol.50, no.16, pp.3905-3910, 2009 (Journal Indexed in SCI)
- XVII. **Poly(styrene-b-tetrahydrofuran)/Clay Nanocomposites by Mechanistic Transformation**
Yenice Z., Tasdelen M. A. , ORAL A., Guler C., Yağcı Y.
JOURNAL OF POLYMER SCIENCE PART A-POLYMER CHEMISTRY, vol.47, no.8, pp.2190-2197, 2009 (Journal Indexed in SCI)
- XVIII. **Synthesis of poly-2-hydroxyethyl methacrylate-montmorillonite nanocomposite via in situ atom transfer radical polymerization**
ORAL A., SHAHWAN T., Guler C.
JOURNAL OF MATERIALS RESEARCH, vol.23, no.12, pp.3316-3322, 2008 (Journal Indexed in SCI)
- XIX. **Electrochemical behaviour of 5-(Furan-2-yl)-4-(p-tolyl)-2,4-dihydro-1,2,4-triazole-3-thione by using glassy carbon electrode**
DİLGİN Y., Cansız A., Cetin A., Kutulay P., ORAL A., YILMAZ S.
ASIAN JOURNAL OF CHEMISTRY, vol.19, no.4, pp.3221-3227, 2007 (Journal Indexed in SCI)

Articles Published in Other Journals

- I. **Elektropüşürtme Yönteminin Probiyotik Mikroorganizmaların Mikrokapsülasyonunda Kullanımı**
ERGİN F., KÜÇÜKÇETİN A., ORAL A., GÜRSOY O.
Akademik Gıda, vol.15, no.3, pp.281-287, 2017 (Other Refereed National Journals)
- II. **DETERMINATION OF THE EFFECTS OF HYDROGEL ON IRRIGATION PROGRAM FOR MAIZE CULTIVATED IN THE FIELD CONDITIONS**
Tekiner M., Yıldırım M., Türkmen C., Oral A., İzci B.
SCIENTIFIC PAPERS-SERIES E-LAND RECLAMATION EARTH OBSERVATION & SURVEYING ENVIRONMENTAL ENGINEERING, vol.5, pp.87-92, 2016 (Journal Indexed in ESCI)
- III. **Determination Of The Effects Of Hydrogel On Irrigation Program For Maize Cultivated In The Field Conditions**
TEKİNER M., YILDIRIM M., TÜRKMEN C., ORAL A., İZCİ B.
Earth Observation&Surveying, Environmental Engineering, vol.5, pp.87-92, 2016 (Refereed Journals of Other Institutions)
- IV. **DETERMINATION OF THE EFFECTS OF HYDROGEL ON IRRIGATION PROGRAM FOR MAIZE CULTIVATED IN THE FIELD CONDITIONS**
Tekiner M., Yıldırım M., Türkmen C., Oral A., İzci B.
Land Reclamation, Earth Observation Surveying, Environmental Engineering, vol.5, pp.87-92, 2016 (Refereed Journals of Other Institutions)
- V. **Surface modification with P aminohippuric acid on biogenic apatit fish bones particles**
TAN E., KIZILKAYA B., ÜÇYOL N., ORMANCI H. B. , ORAL A.
Marine Science and Technology Bellettin, vol.3, no.2, pp.45-50, 2014 (Other Refereed National Journals)

Refereed Congress / Symposium Publications in Proceedings

- I. **Antibacterial Cinnamaldehyde-Loaded Nanofibers**
AKPINAR Z., ULUSOY S., AKGÜN M. M. , ORAL A.

.International Joint Science Congress of Materials Polymers, 12 - 14 September 2019

- II. **Investigation of the effect of rose essential oil component Phenylethyl alcohol on hydrolytic degradability of Poly (lactic acid)**
COŞKUN Y., AKGÜN m., ORAL A., AKAT H.
The Second International Symposium Medicinal Plants and Materials, Tozeur, Tunisia, 15 - 17 February 2019
- III. **Effect of cinnamaldehyde on crystallization behavior and dynamic mechanical properties of polylactide**
AKKAYA M. S. , ORAL A., COŞKUN Y.
II. International Joint Science Congress of Materials and Polymers, 9 - 12 November 2018
- IV. **EFFECTS OF THE WATER SALINITY ON SEED GERMINATION AND SEEDLINGGROWTH OF DENT CORN**
COŞKUN Y., TAŞ İ., AKÇURA M., ORAL A., YETER t.
II. International Joint Science Congress of Materials and Polymers, Durres, Albania, 9 - 12 November 2018
- V. **Preparation and characterization of orange and mandarin essential oil incorporated**
TÜRKER G., başaran i., ORAL A., YILDIRIM P., ARİFOĞLU N.
Tunisian Chemical Society, Science and Engineering of polymeric materials, 18 - 21 March 2018
- VI. **The Effect of Polymeric Hydrogel Application on Germination of Barley Under Saline Irrigation Water**
TAŞ İ., COŞKUN Y., TÜTENOCAKLI T., ORAL A., AKCURA M.
Science and Engineering of Polymeric Materials (SEPM 2018), Sousse, Tunisia, 18 - 21 March 2018, vol.1, pp.6
- VII. **Effects of Thyme Essential Oil Chemicals on Germination of Barley**
COŞKUN Y., TAŞ İ., TÜTENOCAKLI T., AKCURA M., ORAL A.
Science and Engineering of Polymeric Materials (SEPM 2018), Sousse, Tunisia, 18 - 21 March 2018, vol.1, pp.74
- VIII. **The Effect of Some Essential Oil Compounds which applied by means of Poly (Lactic Acid) on the Germination of Triticum spelta**
COŞKUN Y., TAŞ İ., ORAL A., AKCURA M.
Science and Engineering of Polymeric Materials (SEPM 2018), Sousse, Tunisia, 18 - 21 March 2018, vol.1, pp.18
- IX. **Investigation of the Allelopathic Effects of Thymol, Carvacrol and Alpha-terpinene as Natural Chemicals**
COŞKUN Y., TAŞ İ., ORAL A.
International Solid State Chemistry Conference, Monastir, Tunisia, 17 - 19 December 2017
- X. **Effects of Temperature on the Crystallinity and Morphology of Poly(Lactic Acid)-Phenylethyl Alcohol**
AKGÜN m., ORAL A.
International Solid State Chemistry Conference, 17 - 20 December 2017
- XI. **Effects of Some Essential Oil Components of Rose And Thyme On The Germination of Corn Seed**
TAŞ İ., COŞKUN Y., TÜRKER G., ORAL A., TÜTENOCAKLI T.
The International Joint Science Congress of Materials Polymers, 25 - 28 August 2017
- XII. **Preparation of Gelatin-Polymer Based Graft Copolymers**
Basaran İ., ORAL A.
oint Science Congress of Materials and Polymers, 25 - 28 August 2017
- XIII. **Photopolymerization of Novel Piperazine Derivatives**
KARACAN E., ORAL A., YILMAZ M.
Joint Science Congress of Materials and Polymers, 25 - 28 August 2017
- XIV. **Morphological Study of Chitosan Nanobeads**
KARACAN E., ORAL A.
Joint Science Congress of Materials and Polymers, 25 - 28 August 2017
- XV. **The Effect of Cinnamaldehyde on the Crystallinity andMorphology of Poly(Lactic)Acid**
AKGÜN m., Basaran İ., ORAL A.
Joint Science Congress of Materials and Polymers, 25 - 28 August 2017
- XVI. **Photopolymerization of a novel piperazine derivative**
YELDİR E. K. , ORAL A., YILMAZ M.
The international Joint Science congress of materials and polymers, 25 - 28 August 2017

- XVII. **The Effects of PLA-based Biodegradable Plastics Introduced into Soil on Earthworm Behaviors**
Akgün M., Türkmen C., Oral A.
The International Joint Science Congress of Materials Polymers, Ohrid, Macedonia, 25 - 28 August 2017, pp.70
- XVIII. **Preparation And Characterization Of Gelatin Geraniol Electrospun Nanofibers**
Basaran İ., ORAL A.
XXIV Congress of Chemists and Technologists of Macedonia, 11 - 14 September 2016
- XIX. **Investigation Of Antibacterial And Physical Effects Of Rose Essential Oil On Biodegradable Poly Lactic acid Films**
AKGÜN M., Basaran İ., ULUSOY S., ORAL A.
9th Conference on Medicinal and Aromatic Plants of Southeast European Countries, Plovdiv, Bulgaria, 26 - 29 May 2016
- XX. **A Review on Block co polymerization of collagen and FDA approved synthetic polymers for regenerative medicine application**
Başaran İ., ARSLAN Y. E., ORAL A.
Chemistry Conference for Young Scientists 2016, Blankenberge, Belgium, 16 - 18 March 2016
- XXI. **Preparing of Chitosan beads with natural antibacterial essential oils**
KARACAN E., ORAL A.
Chemistry Conference for Young Scientists 2016, Blankenberge, Belgium, 16 - 18 March 2016
- XXII. **Mononükleer ve dinükleer lariat eter komplekslerinin sentezi ve termal bozunma kinetiklerinin incelenmesi**
DOĞAN F., YILDIZ M., ORAL A.
XIX. Uusal Kimya Kongresi, Kuşadası, Turkey, 30 September - 04 October 2005
- XXIII. **Bazı vic-dioksim Bileşiklerinin katı Hal ısısal Bozunma Kinetiğinin Termogravimetrik Analiz Yöntemleri ile Araştırılması**
taşbaş m., DOĞAN F., ORAL A., ŞİRİN K., MERCİMEK B.
XVIII. Ulusal Kimya Kongresi, Kars, Turkey, 5 - 09 July 2004, pp.629
- XXIV. **Anilin ile kondenze edilmiş modifiye polistirenin (m-PS) katı hal ısısal bozunma kinetiğinin termogravimetrik analiz yöntemleriyle araştırılması**
ORAL A., DOĞAN F., ŞİRİN K., işler r.
Chemical Physic V, The fifth International Conference on Chemical Physics, İstanbul, Turkey, 31 October - 02 November 2002, pp.66
- XXV. **Polistirenin Modifikasyonu ve Elde Edilen Ürünlerin Isıl Analizleri**
ŞİRİN K., ORAL A., DOĞAN F., yürekli m.
Chemical Physic V, The fifth International Conference on Chemical Physics, İstanbul, Turkey, 31 October - 02 November 2002, pp.35
- XXVI. **Polipropilen ve yüksek yoğunluklu polietilen homopolymer karışımlarının mekanik özelliklerinin incelenmesi**
ŞİRİN K., DOĞAN F., ORAL A.
XVI. Ulusal Kimya Kongresi, Konya, Turkey, 10 - 13 October 2002, pp.553
- XXVII. **PP-YYPE blendinin ısı analizleri**
ORAL A., DOĞAN F., ŞİRİN K., işler r.
I. Aegean Physical Chemistry Days, İzmir, Turkey, 5 April - 07 May 2002, pp.114
- XXVIII. **Anilin ile kondenze edilmiş modifiye polistirenin (m-PS) bazı fiziksel özelliklerinin incelenmesi**
ORAL A., DOĞAN F., ŞİRİN K., özdemir e.
I. Aegean Physical Chemistry Days, İzmir, Turkey, 5 - 07 April 2002, pp.116
- XXIX. **MeOH ve EtOH ile esterleştirilen m-PS 'in karakterizasyonu ve bazı fiziksel özelliklerinin incelenmesi**
DOĞAN F., ŞİRİN K., ORAL A., DAYAN O.
I. Aegean Physical Chemistry Days, İzmir, Turkey, 5 - 07 April 2002, pp.117

Supported Projects

ORAL A., Other Supported Projects, Kemik Doku Mühendisliği Uygulamaları İçin Biyokompozit Malzelerin Üretilmesi, 2018 - Continues

COŞKUN Y., TAŞ İ., AKÇURA M., ORAL A., YETER T., Project Supported by Higher Education Institutions, Farklı tuzluluk seviyesindeki sulama sularının mısır tohumunun çimlenmesi ve fide gelişimine etkileri, 2018 - 2019

TÜRKER G., TAŞ İ., ORAL A., COŞKUN Y., TÜTENOCAKLI T., Project Supported by Higher Education Institutions, Bazı Aromatik Yağların Bitkilerin Çimlenme ve Kök Gelişimi Üzerindeki Alleopatik Etkilerinin İncelenmesi, 2017 - 2018

TEKİNER M., TÜRKMEN C., YILDIRIM M., İZCİ B., ORAL A., Project Supported by Higher Education Institutions, HİDROJEL UYGULAMASININ SULAMA PROGRAMINA ETKİLERİNİN BELİRLENMESİ ÜZERİNE BİR ARAŞTIRMA (MISIR ÖRNEĞİ), 2010 - 2015

ORAL A., Project Supported by Higher Education Institutions, "Fotopolimerizasyon Type 2"Yöntemi İle Hazırlanan Silika-Polimer Hybrid Kompozit Malzemede Silika Miktarının Malzemenin Özellikleri Üzerine Etkisi, 2009 - 2012

Citations

Total Citations (WOS):274

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