

Asst. Prof. ELİF ANT BURSALI

Personal Information

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International Researcher IDs

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Publons / Web Of Science ResearcherID: AAB-9497-2022

ScopusID: 24166400600

Yoksis Researcher ID: 166073

Education Information

Doctorate, Dokuz Eylul University, Fen Bilimleri Enstitüsü, Kimya (Dr), Turkey 2005 - 2010

Postgraduate, Dokuz Eylul University, Fen Bilimleri Enstitüsü, Kimya (YI) (Tezli), Turkey 2002 - 2005

Undergraduate, Celâl Bayar Üniversitesi, Fen-Edebiyat Fakültesi, Kimya Bölümü, Turkey 1998 - 2002

Foreign Languages

English, C1 Advanced

Dissertations

Doctorate, Synthesis, characterization and antimicrobial activities of boron-starch complexes, Dokuz Eylul University, Fen Bilimleri Enstitüsü, Kimya (Dr), 2010

Postgraduate, Bazı metal iyonlarının organofosfor bileşikleriyle sıvı-sıvı ekstraksiyonu, Dokuz Eylul University, Fen Bilimleri Enstitüsü, Kimya (YI) (Tezli), 2005

Research Areas

Inorganic Chemistry

Academic Titles / Tasks

Assistant Professor, Dokuz Eylul University, Fen Fakültesi, Kimya Bölümü, 2016 - Continues

Research Assistant PhD, Dokuz Eylul University, Fen Fakültesi, Kimya Bölümü, 2010 - 2016

Research Assistant, Dokuz Eylul University, Fen Bilimleri Enstitüsü, Kimya (Dr), 2002 - 2010

Academic and Administrative Experience

Bölüm Kalite Komisyonu Üyesi, Dokuz Eylül University, Fen Fakültesi, Kimya Bölümü, 2022 - Continues
Bölüm Tanıtım ve Mezunlarla İlişkiler Komisyonu Başkanı, Dokuz Eylül University, Fen Fakültesi, Kimya Bölümü, 2020 - Continues
Anabilim Dalı Akademik Kurul Üyesi, Dokuz Eylül University, Fen Fakültesi, Kimya Bölümü, 2016 - Continues
Adaptation/Exemption Committee Member, Dokuz Eylül University, Fen Fakültesi, Kimya Bölümü, 2018 - 2021

Courses

Öğretmenlik Uygulaması, Undergraduate, 2023 - 2024
ANORGANİK KİMYA 2, Undergraduate, 2023 - 2024, 2021 - 2022, 2020 - 2021, 2019 - 2020
BİTİRME PROJESİ, Undergraduate, 2023 - 2024, 2022 - 2023, 2021 - 2022, 2020 - 2021, 2019 - 2020, 2018 - 2019, 2017 - 2018, 2016 - 2017
ANORGANİK KİMYA 2, Undergraduate, 2023 - 2024, 2022 - 2023, 2021 - 2022, 2019 - 2020
ANORGANİK KİMYA 2 LABORATUVARI, Undergraduate, 2023 - 2024, 2022 - 2023, 2020 - 2021, 2018 - 2019, 2017 - 2018
INORGANIC CHEMISTRY LABORATORY 1, Undergraduate, 2023 - 2024, 2022 - 2023, 2020 - 2021, 2019 - 2020, 2018 - 2019, 2016 - 2017
CHEMISTRY, Undergraduate, 2023 - 2024, 2022 - 2023
KİMYA, Undergraduate, 2023 - 2024, 2022 - 2023, 2021 - 2022
ANORGANİK KİMYA 1, Undergraduate, 2022 - 2023, 2021 - 2022, 2017 - 2018
KİMYA II, Undergraduate, 2021 - 2022
INORGANIC CHEMISTRY 1, Undergraduate, 2021 - 2022, 2020 - 2021, 2019 - 2020
KİMYA, Undergraduate, 2020 - 2021
KİMYA, Undergraduate, 2019 - 2020, 2018 - 2019, 2017 - 2018, 2016 - 2017
INORGANIC CHEMISTRY 2, Undergraduate, 2018 - 2019, 2016 - 2017
CHEMISTRY, Undergraduate, 2017 - 2018
INORGANIC CHEMISTRY 1, Undergraduate, 2018 - 2019, 2016 - 2017
CHEMISTRY, Undergraduate, 2016 - 2017
INORGANİK CHEMISTRY LABORATORY 2, Undergraduate, 2016 - 2017

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Enhanced sensitivity of fluorescence-based optical CO₂ sensor by using HPTS/Chitosan/ZnO/GO/polymethyl methacrylate composites**
Azrak V., Öter Ö., Oğuzlar S., Ant Bursalı E.
JOURNAL OF MATERIALS SCIENCE: MATERIALS IN ELECTRONICS, vol.35, no.25, pp.1679, 2024 (SCI-Expanded)
- II. **Novel Tannic Acid-Modified Cobalt-Based Metal-Organic Framework: Synthesis, Characterization, and Antimicrobial Activity**
ANT BURSALI E.
ACS Omega, vol.9, no.17, pp.18946-18956, 2024 (SCI-Expanded)
- III. **The Photocatalytic Performance of Ag /TiO₂/Nylon 6/PMMA System**
Polat K., Ant Bursalı E., Yurdakoç M., Yurdakoç M. K.
ARABIAN JOURNAL FOR SCIENCE AND ENGINEERING, vol.2, no.2, pp.13369-1336923, 2024 (SCI-Expanded)
- IV. **Kinetic and equilibrium studies of methylene blue adsorption on functionalized polymethyl methacrylate in polyvinylidene fluoride-hexafluoropolypropylene matrix**
Polat K., Bursalı E.
INTERNATIONAL JOURNAL OF ENVIRONMENTAL SCIENCE AND TECHNOLOGY, vol.18, no.12, pp.3943-3950, 2021 (SCI-Expanded)
- V. **Genipin Cross-linked Boron Doped Hydrogels: Evaluation of Biological Activities**

- Ant Bursalı E., Abacı D., Kızıl M., Yurdakoc M., , , ,
JOURNAL OF POLYMER MATERIALS, vol.38, no.3-4, pp.231-245, 2021 (SCI-Expanded)
- VI. **A promising strategy for the utilization of waste nitrile gloves: cost-effective adsorbent synthesis**
Polat K., Ant Bursalı E.
JOURNAL OF MATERIAL CYCLES AND WASTE MANAGEMENT, vol.21, no.3, pp.659-665, 2019 (SCI-Expanded)
- VII. **Impregnation of different ionic liquids onto cationic starch and their comparison in the extraction of Th(IV)**
ANT BURSALI E., SEYHAN BOZKURT S., YURDAKOÇ M.
TURKISH JOURNAL OF CHEMISTRY, vol.40, no.2, pp.364-372, 2016 (SCI-Expanded)
- VIII. **Preparation and Characterization of Tannic Acid Resin: Study of Boron Adsorption**
Erdem P., ANT BURSALI E., YURDAKOÇ M.
ENVIRONMENTAL PROGRESS & SUSTAINABLE ENERGY, vol.32, no.4, pp.1036-1044, 2013 (SCI-Expanded)
- IX. **Synthesis of Chitosan Beads as Boron Sorbents**
ANT BURSALI E., SEKİ Y., SEYHAN BOZKURT S., Delener M., YURDAKOÇ M.
JOURNAL OF APPLIED POLYMER SCIENCE, vol.122, no.1, pp.657-665, 2011 (SCI-Expanded)
- X. **Synthesis, characterization and in vitro antimicrobial activities of boron/starch/polyvinyl alcohol hydrogels**
Ant Bursalı E., Coskun S., Kızıl M., Yurdakoç M.
CARBOHYDRATE POLYMERS, vol.83, no.3, pp.1377-1383, 2011 (SCI-Expanded)
- XI. **Preconcentration of uranium(VI) and thorium(IV) from aqueous solutions using low-cost abundantly available sorbent**
ANT BURSALI E., MERDİVAN M., YURDAKOÇ M.
JOURNAL OF RADIOANALYTICAL AND NUCLEAR CHEMISTRY, vol.283, no.2, pp.471-476, 2010 (SCI-Expanded)
- XII. **Sorption of boron by invasive marine seaweed: Caulerpa racemosa var. cylindracea**
ANT BURSALI E., ÇAVAŞ L., SEKİ Y., SEYHAN BOZKURT S., YURDAKOÇ M.
CHEMICAL ENGINEERING JOURNAL, vol.150, pp.385-390, 2009 (SCI-Expanded)
- XIII. **The effect of degree of impregnation in amberlite resins with organophosphorous extractants for Y(III), La(III), Ce(III), Th(IV) and U(VI) ions**
ANT BURSALI E., YURDAKOÇ M., MERDİVAN M.
SEPARATION SCIENCE AND TECHNOLOGY, vol.43, no.6, pp.1421-1433, 2008 (SCI-Expanded)
- XIV. **Extraction of Y(III), La(III), Ce(III), Th(IV) and U(VI) ions with organophosphorous compounds**
Ant E., Yurdakoç M.
ASIAN JOURNAL OF CHEMISTRY, vol.18, no.3, pp.2221-2230, 2006 (SCI-Expanded)

Articles Published in Other Journals

- I. **Synthesis and characterization of bentonite based zinc complexes**
Anavatan Alp E., BURSALI E. A., YURDAKOC M.
Journal of sustainable construction materials and technologies (Online), vol.8, no.2, pp.112-119, 2023 (Peer-Reviewed Journal)
- II. **Genipin ile çapraz bağlı bor katkılı polisakkarit kompleks sentezi ve karakterizasyonu**
ANT BURSALI E.
BOR DERGİSİ, vol.6, no.4, pp.379-386, 2021 (Peer-Reviewed Journal)
- III. **Preparation and characterization of magnetic featured supported heterogeneous catalysts**
ALDEMİR Y., ANT BURSALI E., YURDAKOÇ M.
Deu Muhendislik Fakultesi Fen ve Muhendislik, vol.23, no.67, pp.137-146, 2021 (Peer-Reviewed Journal)

Refereed Congress / Symposium Publications in Proceedings

- I. **Lanthanum Based Metal-Organic Framework: Synthesis and Characterization of a Photocatalytic Material**
Ant Bursalı E.
5th International Eurasian Conference on Science, Engineering and Technology (EurasianSciEnTech 2024), Ankara, Turkey, 26 - 28 June 2024, pp.84
- II. **Synthesis and Characterization of Europium Based Metal Organic Framework**
Ant Bursalı E.
4th International Conference on Innovative Academic Studies ICIAS 2024, Konya, Turkey, 12 - 13 March 2024, pp.281
- III. **Synthesis and Characterization of ZnO/GO Photocatalysts**
Ant Bursalı E.
4. International Dicle Scientific Research and Innovation Congress, Diyarbakır, Turkey, 18 - 19 April 2023, pp.1
- IV. **Synthesis, characterization and visible-light photocatalytic activity of CaBiO₃ for degradation of methylene blue**
ANT BURSALI E.
2nd International Eurasian Conference on Biological and Chemical Sciences (EurasianBioChem 2019), 28 - 29 June 2019
- V. **A new polymeric adsorbent from waste nitrile gloves**
POLAT K., ANT BURSALI E.
1. Uluslararası Balkan Kimya Kongresi, 17 - 20 September 2018
- VI. **Kil Destekli Magnezyum Ferrit Nanokatalizörlerin Hazırlanması ve Karakterizasyonu**
Aldemir Y., ANT BURSALI E., YURDAKOÇ M.
27. Ulusal Kimya Kongresi, Çanakkale, Turkey, 23 - 28 August 2015
- VII. **Kompleks İçeren Bentonit Taşıyıcılı Katalizörlerin Hazırlanması**
ANT BURSALI E., Yılmaz B., Öztürk Ö., Durmaz H., YURDAKOÇ M.
27. Ulusal Kimya Kongresi, Çanakkale, Turkey, 23 - 28 August 2015
- VIII. **Çinko Kompleks Kil Tabanlı Katalizörlerin Hazırlanması ve Karakterizasyonu**
Anavatan G. E., ANT BURSALI E., YURDAKOÇ M.
5. Ulusal Anorganik Kimya Kongresi, Mersin, Turkey, 22 - 25 April 2015
- IX. **Toryum IV İyonunun Katyonik Nişasta ile Adsorpsiyonunda İyonik Sıvıların Kullanılabilirliği**
ANT BURSALI E., SEYHAN BOZKURT S., YURDAKOÇ M.
26. Ulusal Kimya Kongresi, Muğla, Turkey, 1 - 06 October 2012
- X. **Katyonic Nişasta ile Uranyum VI İyonunun Katı Faz Ekstraksiyonuyla Zenginleştirilmesi**
ANT BURSALI E., Gürsaç S. Ö., Yıldız Ş., BİNZET G., SEYHAN BOZKURT S.
26. Ulusal Kimya Kongresi, Turkey, 1 - 06 October 2012
- XI. **Comparison of Some Properties of Synthesized Cross linked Starch PVA Boron Complexes**
ANT BURSALI E., Coşkun S., Tanrıku S. E., KIZIL M., YURDAKOÇ M.
17th International Symposium on Boron, Borides and Related Materials, 11 - 17 September 2011
- XII. **Properties of Starch Boron Powder Complexes Containing Different Cross linkers as Additives**
ANT BURSALI E., YURDAKOÇ M.
17th International Symposium on Boron, Borides and Related Materials, 11 - 17 September 2011
- XIII. **Çapraz Bağlı Tannik Asit ile Bor Adsorpsiyonu**
Erdem P., ANT BURSALI E., YURDAKOÇ M.
24. Ulusal Kimya Kongresi, Zonguldak, Turkey, 29 June - 02 July 2010
- XIV. **Nişasta Polivinil Alkol ve Borik asit İçeren Hidrojellerin Sentezi Karakterizasyonu ve In vitro Antimikrobiyal Etkileri**
ANT BURSALI E., Coşkun S., KIZIL M., YURDAKOÇ M.
24. Ulusal Kimya Kongresi, Zonguldak, Turkey, 29 June - 02 July 2010
- XV. **Modifiye Edilmiş Nişasta ile Bor Komplekslerinin Sentezi**
ANT BURSALI E., YURDAKOÇ M.

2. Ulusal Anorganik Kimya Kongresi, Elazığ, Turkey, 16 - 19 May 2009
- XVI. **Preparation of Starch PVA Hydrogels by Using Different Cross linking Agents**
ANT BURSALI E., Coşkun S., YURDAKOÇ M.
2nd EUCHEMS Chemistry Congress, Torino, Italy, 16 - 20 September 2008
- XVII. **Chitosan bead ile bor adsorpsiyonu**
Delener M., ANT BURSALI E., SEYHAN BOZKURT S., SEKİ Y., YURDAKOÇ M.
10. Ulusal Spektroskopi Kongresi, İzmir, Turkey, 4 - 07 July 2007
- XVIII. **Bazı Nadir Toprak Metallerinin Difenilfosfat ve Difenilfosfinik Asit Emdirilmiş Farklı Morfolojik İçerikli Reçineler Üzerine Tutunma Davranışları**
ANT BURSALI E., YURDAKOÇ M., MERDİVAN M.
20. Ulusal Kimya Kongresi, Kayseri, Turkey, 4 - 08 September 2006
- XIX. **Sorption Behaviour of Uranium VI with Diphenylphosphate and Diphenylphosphinic Acid Impregnated Resin Having Different Morphology and Reagent Content**
ANT BURSALI E., YURDAKOÇ M., MERDİVAN M.
INSUNUME 2006, 6 - 08 September 2006
- XX. **Bazı Metallerin Organofosfor Bileşikleri ile Sıvı Sıvı Ekstraksiyonu**
ANT BURSALI E., YURDAKOÇ M.
19. Ulusal Kimya Kongresi, Aydın, Turkey, 30 September - 04 October 2005
- XXI. **Uranyum VI veToryum IV İyonlarının Pirina Üzerine Tutunma Davranışlarının İncelenmesi**
ANT BURSALI E., MERDİVAN M., YURDAKOÇ M.
18. Ulusal Kimya Kongresi, Kars, Turkey, 5 - 09 July 2004
- XXII. **Pirininin Krom VI Sorpsiyonunda Kullanılabilirliğinin Araştırılması**
ÇELİK A., ANT BURSALI E., Topoyan E., Ayar P.
17. Ulusal Kimya Kongresi, İstanbul, Turkey, 8 - 11 September 2003

Scholarships

YURT İÇİ DOKTORA BURSUSU, TUBİTAK, 2006 - 2011

Awards

Ant Bursalı E., YAYIN ONUR BELGESİ, Deu Fen Bilimlei Enstütüsü, December 2010