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International Researcher IDs

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Publons / Web Of Science ResearcherID: [AAG-6200-2020](https://publons.com/author/urn:lsid:imsl.org:urn:lsid:imsl.org:AAG-6200-2020)

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Education Information

Postgraduate, Yıldız Technical University, Faculty Of Chemical And Metallurgical Engineering, Biyomühendislik Bölümü, Turkey 2017 - 2020

Undergraduate, Yıldız Technical University, Faculty Of Chemical And Metallurgical Engineering, Biyomühendislik (İngilizce) Bölümü, Turkey 2012 - 2017

Foreign Languages

English, B1 Intermediate

Research Areas

Metallurgical and Materials Engineering, Material science and engineering, Biomaterials, Engineering and Technology

Academic Titles / Tasks

Research Assistant, Yıldız Technical University, Faculty Of Chemical And Metallurgical Engineering, Department Of Bioengineering, 2018 - Continues

Published journal articles indexed by SCI, SSCI, and AHCI

- Green Electrospun Poly(vinyl alcohol)/Gelatin-Based Nanofibrous Membrane by Incorporating 45S5 Bioglass Nanoparticles and Urea for Wound Dressing Applications: Characterization and In Vitro and In Vivo Evaluations**
Temel-Soylu T. M., Keçeciler-Emir C., Rababah T., ÖZEL C., YÜCEL S., ELALMIŞ Y., Altan D., Kirgiz Ö., Seçinti İ. E., Kaya U., et al.
ACS Omega, vol.9, no.19, pp.21187-21203, 2024 (SCI-Expanded)

- II. **Characterizations and solubility profile of novel senary SiO₂-CaO-Na₂O-P₂O₅-CaF₂-SrO glass structure modified with Nb₂O₅**
Özarslan A. C., ÖZEL C., YÜCEL S., ELALMIŞ Y.
Ceramics International, 2024 (SCI-Expanded)
- III. **Mesoporous silica aerogels for sunflower oil refining and investigation of their adsorption performance**
Soylu T. M., ÖZEL C., Karakuzu İkizler B., Özarslan A. C., Terzioğlu P., ELALMIŞ Y., YÜCEL S.
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- IV. **Evaluation of biocomposite putty with strontium and zinc co-doped 45S5 bioactive glass and sodium hyaluronate**
Özel C., Çevlik C. B., Özarslan A. C., Emir C., Elalmis Y. B., Yücel S.
INTERNATIONAL JOURNAL OF BIOLOGICAL MACROMOLECULES, vol.242, no.2, pp.124901, 2023 (SCI-Expanded)
- V. **Development, structural and rheological characterization, and in vitro evaluation of the zinc-doped 45S5 bioactive glass-vaseline ointment for potential wound healing applications**
Özarslan A. C., Özel C., Okumuş M. D., Doğan D., Yücel S.
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- VI. **The simultaneous extraction of cellulose fiber and crystal biogenic silica from the same rice husk and evaluation in cellulose-based composite bioplastic films**
Karaca A. E., Özel C., Ozarslan A. C., Yücel S.
POLYMER COMPOSITES, vol.43, no.10, pp.6838-6853, 2022 (SCI-Expanded)
- VII. **Production of Novel Composite Films Based on PVA-Biosilica**
Kılıç E. C., Akyol E., Karakuzu-İkizler B., Özarslan A. C., Özel C., Yücel S.
JOURNAL OF THE INDIAN CHEMICAL SOCIETY, vol.97, no.10c, pp.2092-2096, 2020 (SCI-Expanded)
- VIII. **Utilization of the simulated flue gas on the cultivation of Chlorella protothecoides**
Özel C., Boğoçlu M. E., Keçeciler C., Kaplan E., Yücel S.
JOURNAL OF THE INDIAN CHEMICAL SOCIETY, vol.96, no.9, pp.1137-1142, 2019 (SCI-Expanded)
- IX. **The accumulation of astaxanthin from Haematococcus pluvialis in different stress factors**
Boğoçlu M. E., Yücel S., Keçeciler C., Özel C., Çokcan C., Tekerek B. S.
JOURNAL OF THE INDIAN CHEMICAL SOCIETY, vol.96, no.9, pp.1143-1148, 2019 (SCI-Expanded)

Articles Published in Other Journals

- I. **Surface modification of zeolite and kaolin with 3-(aminopropyl) triethoxysilane and 3-(trimethoxysilyl) propyl methacrylate**
Özel C., Akat C., Alosmanov R., Kahveci M. Ü., Emir C., Yücel S.
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Books & Book Chapters

- I. **METALİK BİYOMALZEMELER**
Yapıcı E., Emir C., Özel C., Yücel S.
in: BİYOMALZEMELER, Sevil Yücel, Pınar Terzioğlu, İmran Göker, Editor, Nobel Yayın Dağıtım, İstanbul, pp.301-351, 2022
- II. **Biyomalzeme Karakterizasyonları-1**
Elalmış Y., Özel C., Tiryaki E., Altan D., Yücel S.
in: Biyomalzemeler, Sevil Yücel, Pınar Terzioğlu, İmran Göker, Editor, Nobel Yayın Dağıtım, Ankara, pp.69-116, 2022
- III. **The Usage of Bioactive Glasses in Bone Tissue Engineering: Review**
Özel C., Kızıl P., Emir C., Yücel S.
in: International Innovative Approaches in Engineering & Technology, Prof. Dr. Yusuf ŞAHİN, Assist. Prof. Senai

YALÇINKAYA, Editor, Güven Plus Group Inc. Publications, İstanbul, pp.2-29, 2021

IV. Production of Nanocrystalline Cellulose From Hemp

Emir C., Yavuz F., Özel C., Yücel S.

in: International Innovative Approaches in Engineering & Technology, Prof. Dr. Yusuf ŞAHİN, Assist. Prof. Senai YALÇINKAYA, Editor, Güven Plus Group Inc. Publications, İstanbul, pp.222-247, 2021

V. The Role of Matrix Metalloproteinases in Bone Tissue

Elalmış Y., Özel C., Keçeciler C., Altan D., Tiryaki E., Özarslan A. C., Tekerek B. S., Yücel S.

in: A Closer Look at Metalloproteinases, Lena Goodwin, Editor, NOVA Science Publishers Inc., New-York, pp.153-249, 2019

Refereed Congress / Symposium Publications in Proceedings

I. PRODUCTION, CHARACTERIZATION AND INVESTIGATION OF DRUG RELEASE PERFORMANCE OF LEVETIRACETAM LOADED HYDROGELS

Bedir E. S., Özel C., Emir C., Özarslan A. C., Altan D., Yücel S.

INTERNATIONAL CONGRESS OF NEW HORIZONS IN SCIENCES, İstanbul, Turkey, 20 - 21 May 2023, pp.53-54

II. ALÜMİNA-SİLİKAT KİL YÜZEYİNİN ORGANOFONKSİYONELLEŞTİRİLMESİ VE KARAKTERİZASYONU

Deren K., Emir C., Özel C., Yücel S.

International Conference on Frontiers in Academic Research, Konya, Turkey, 18 - 21 February 2023, pp.218

III. EVALUATION OF NOVEL DESIGNED DELICIOUS PEPTIDES FOR IMPROVING TASTE SENSATION

ANDAÇ A. C., YÜCEL S., ÖZEL C., EMİR C., KÖKLÜ K.

9th International Conference on New Trends in Chemistry, Skopje, Macedonia, 19 - 21 May 2023, pp.45

IV. SURFACE MODIFICATION OF ZEOLITE AND KAOLIN WITH DIFFERENT SILANIZATION AGENTS

Özel C., Akat C., Alosmanov R., Kahveci M. Ü., Emir C., Yücel S.

7th International Conference on New Trends in Chemistry (7th ICNTC), 25 - 26 September 2021, pp.22

V. KEMİK DOKU MÜHENDİSLİĞİNDE YENİ NESİL BİYOMALZEMELERİN ÜRETİM TEKNİKLERİ

Özel C., Kızıl P., Emir C., Yücel S.

7. ULUSLARARASI MUHENDİSLİK MİMARLIK VE TASARIM KONGRESİ, 21 - 22 June 2021, pp.350-359

VI. KENEVİR (Cannabis SativaL.) BİTKİSİNDEN FARKLI MEKANİK ÖN İŞLEMLER KULLANILARAK NANOKRİSTALİN SELÜLOZ ELDESİ

Emir C., Yavuz F., Özel C., Yücel S.

7. ULUSLARARASI MUHENDİSLİK MİMARLIK VE TASARIM KONGRESİ, 21 - 22 May 2021, pp.342-349

VII. The synthesis of peptide derived from delicious peptide for using in foods

Averbek S., Özel C., Aydın Z., Yücel S.

II. International Enzyme and Bioprocess Days (EBDays 2020), Kocaeli, Turkey, 1 - 03 September 2020, pp.29

VIII. (E)-1-(4-Bromfenil)-2-(2,2-Dikloro-1-(Para-Halojen Fenil)Vinil)Diazenlerin Sentezi ve RSA Araştırmaları

Süleymanova T. G., Bağirova N. K., Babayeva V. G., Şikaliev G. N., Maharramov M. A., Özel C., Yücel S.

31. Ulusal Kimya Kongresi, İstanbul, Turkey, 10 - 13 September 2019, pp.268

IX. (E)-4-(2,2-Dibromo-1-((4-Fenil)Diazenil)Vinil)-N,N-Dimethyl Anilin ve 4-(2,2-Dibromovinil)-N,N-Dimethilanilin Sentezi

Mammadova E. N., Maharramov M. A., Şikaliev G. N., Ahmedova N. E., Niyazova A. A., Özel C., Yücel S.

31. Ulusal Kimya Kongresi, İstanbul, Turkey, 10 - 13 September 2019, pp.395

X. Design and Evaluation of Peptide Usage for Cancer Imaging

Özel C., Yılmaz Ö., Yücel S.

XIII International Scientific Conference of postgraduates, masters and young researchers on "ACTUAL PROBLEMS OF CHEMISTRY", Baku, Azerbaijan, 15 - 16 May 2019, pp.14-15

XI. Effects of Flue Gas as a CO₂ Source on the Cultivation of Chlorella protothecoides

Özel C., Boğoçlu M. E., Keçeciler C., Kaplan E., Yücel S.

5th International Conference on New Trends in Chemistry (ICNTC), Athens, Greece, 22 - 24 April 2019, pp.59-60

- XII. **Effects of the Some Parameters on the Astaxanthin Productivity from Haematococcus pluvialis Algae**
Boğoçlu M. E., Keçeciler C., Özel C., Tekerek B. S., Yücel S.
5th International Conference on New Trends in Chemistry (ICNTC), Athens, Greece, 22 - 24 April 2019, pp.61-62
- XIII. **Gümüş Nanoparçacık İçeren Biyonomkompozit Yerde Sentezi ve Karakterizasyonu**
Özel C., Keçeciler C., Elalmış Y., Karakuzu İkizler B., Yücel S.
23. Biyomedikal bilim ve Teknoloji Sempozyumu (BİOMED2018-TR), İstanbul, Turkey, 15 - 16 December 2018, pp.141
- XIV. **The Use of L-Ascorbic Acid Containing Dextran Coated Silica Aerogel in Controlled Drug Targeting Systems**
Özel C., Keçeciler C., Tiryaki E., Değermenci A., Elalmış Y., Karakuzu İkizler B., Yücel S.
International IVEK BIO Congress, İstanbul, Turkey, 26 - 28 November 2018, pp.119-122
- XV. **Gümüş Nanoparçacık İçeren Hidrojel Kompozit Üriner Kateterler**
Özel C., Keçeciler C., Karakuzu İkizler B., Elalmış Y., Yücel S.
5. Ulusal Biyomalzeme Günleri, İstanbul, Turkey, 22 October 2018, pp.32
- XVI. **İlaç Taşıma Sistemlerinde Çözücüsüz Ortamda Modifiyeli Silika Aerojel Üretimi, İlaç Yükleme Ve Salim Performanslarının Belirlenmesi**
Özel C., Tiryaki E., Karakuzu İkizler B., Yücel S.
6. Ulusal Biyomühendislik Öğrenci Kongresi, İstanbul, Turkey, 05 April 2018, pp.38
- XVII. **Yeni Kanser Aşı Stratejileri Geliştirilmesi: Küçük Hücreli Olmayan Akciğer Kanseri (NSCLC) Tedavisi İçin Peptid Temelli Aşılar**
Özel C., Yücel S., Akdeste Z.
6. Ulusal Biyomühendislik Öğrenci Kongresi, İstanbul, Turkey, 05 April 2018, pp.39
- XVIII. **Diabetes Mellitus Biomarkers Detection in Saliva Using Molecularly Imprinted Polymer (MIP) Based BioMEMS Biosensor**
Özel C., Gülyüz S., Alptürk O., Uludağ Y., Yılmaz Ö.
6th Maltepe University International Student Congress on Engineering, Natural Sciences and the Faculty of Architecture and Design (MUISC ENSAD'18) Title: 'Intelligent Systems / Passive Design', İstanbul, Turkey, 14 - 16 March 2018, pp.32-33
- XIX. **Investigaton of L-Ascorbic Acid release from Hexamethyl Disilazane (HMDZ) modified and unmodified silica aerogels: Effect of hydrophobicity**
Özel C., Tiryaki E., Elalmış Y., Yücel S.
IVEK 3rd International Convention of Pharmaceuticals and Pharmacies, İstanbul, Turkey, 26 April 2017, pp.335
- XX. **Prebiotics and Probiotics: Break the 'Self-Domino Effect' for obesity Treatment**
Özel C., Yılmaz A.
IVEK 3rd International Convention of Pharmaceuticals and Pharmacies, İstanbul, Turkey, 26 April 2017, pp.338

Supported Projects

YÜCEL S., ALOSMANOV R., BAŞLAR Z., AR M. C., ELVERDİ T., KAHVECİ M. Ü., KEÇECİLER C., ÖZEL C., KÖKLÜ K., Project Supported by Higher Education Institutions, İnorganik substratların hemostatik yetenekleri geliştirmek için poli (N-izopropilakrilamid) (PNIPAM) ve poli (akrilik asit) (PAA) fırçalarıyla yüzey modifikasyonu, 2020 - 2024

YÜCEL S., EMİR C., ALTAN D., KIRGIZ Ö., SEÇİNTİ İ. E., ÖZEL C., ALTUĞ M. E., KÖKLÜ K., Project Supported by Higher Education Institutions, Polivinil alkol, Üre, Jelatin ve 45S5 Biyoaktif Cam içeren nanofiber membranların üretimi, karakterizasyonu ve yara örtüsü olarak değerlendirilmesi, 2021 - 2023

Yücel S., Elalmış Y., Özel C., TAGEM Tarımsal Araştırmalar ve Politikalar Genel Müdürlüğü Projesi, Optimization studies and in vitro cell tests for the evaluation of nanoporous silica aerogels obtained from agricultural wastes as food additives, 2017 - 2020

Yılmaz Ö., TUBITAK Project, Prostat Kanseri Tedavisi için Yeni Nesil Sentetik Ajanların Geliştirilmesi, 2016 - 2019

Metrics

Publication: 36

Citation (Scopus): 22

H-Index (Scopus): 2