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Education Information

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

Undergraduate, Yıldız Teknik Üniversitesi, 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

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

- I. **Production of Novel Composite Films Based on PVA-Biosilica**
Kılıç E. C. , Akyol E., Karakuzu-İkizler B., Özarıslan A. C. , Özel C., Yücel S.
Journal Of The Indian Chemical Society, vol.97, no.10, pp.2092-2096, 2020 (Journal Indexed in SCI Expanded)
- II. **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 (Journal Indexed in SCI)
- III. **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 (Journal Indexed in SCI)

Books & Book Chapters

I. 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. 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

II. (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

III. (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

IV. 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

V. 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

VI. 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

VII. Gümüş Nanoparçacık İçeren Biyonompozit 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

VIII. 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

IX. 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

X. 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

XI. 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

XII. 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

XIII. 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

XIV. 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., 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., TÜBİTAK Project, Prostat Kanseri Tedavisi için Yeni Nesil Sentetik Ajanların Geliştirilmesi, 2016 - 2019