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International Researcher IDs

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Publons / Web Of Science ResearcherID: W-4728-2018

ScopusID: 57202229389

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Education Information

Doctorate, Firat University, Institute Of Science, Turkey 2016 - 2023

Postgraduate, Firat University, Institute Of Science, Turkey 2013 - 2016

Undergraduate, Firat University, Faculty Of Engineering, Department Of Bioengineering, Turkey 2009 - 2013

Foreign Languages

English, B2 Upper Intermediate

Dissertations

Doctorate, Şiddetli akut solunum sendromu koronavirüs-2 (SARS-CoV-2)'nin vero hücre hattı ile farklı kültür teknikleri kullanılarak üretimi, Firat University, 2023

Postgraduate, Katı hal biyoreaktöründe α -amilaz üretiminin incelenmesi, Firat University, Institute Of Science, 2016

Research Areas

Health Sciences, Virology, Biotechnology, Process and Reactor Design, Food Biotechnology, Engineering and Technology

Academic Titles / Tasks

Lecturer, Erciyes University, Rektörlük, Rektörlük, 2020 - Continues

Research Assistant, Firat University, Faculty Of Engineering, Department Of Bioengineering, 2013 - 2020

Researcher, State University of New York College of Environmental Science and Forestry, Paper and Bioprocess Engineering, 2014 - 2014

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Safety and immunogenicity of an inactivated whole virion SARS-CoV-2 vaccine, TURKOVAC, in healthy adults: Interim results from randomised, double-blind, placebo-controlled phase 1 and 2 trials**
Ozdarendeli A., Sezer Z., Pavel S. T. I., Inal A., Yetiskin H., Kaplan B., Uygut M. A., Bayram A., Mazicioglu M. M., Unuvar G., et al.
VACCINE, vol.41, no.2, pp.380-390, 2023 (SCI-Expanded)
- II. **Plant-produced RBD and cocktail-based vaccine candidates are highly effective against SARS-CoV-2, independently of its emerging variants**
Mamedov T., Yuksel D., Gurbuzaslan I., Ilgin M., Gulec B., Mammadova G., Ozdarendeli A., Pavel S. T. I., Yetiskin H., Kaplan B., et al.
FRONTIERS IN PLANT SCIENCE, vol.14, 2023 (SCI-Expanded)
- III. **SARS-CoV-2 spike protein S1 subunit induces potent neutralizing responses in mice and is effective against Delta and Omicron variants**
Mamedov T., Yuksel D., Gurbuzaslan I., Gulec B., Mammadova G., Öz darendeli A., Pavel S. T. I., Yetişkin H., Kaplan B., Uygut M. A., et al.
Frontiers in Plant Science, vol.14, 2023 (SCI-Expanded)
- IV. **A pilot study for treatment of severe COVID-19 pneumonia by aerosolized formulation of convalescent human immune plasma exosomes (ChipEXO (TM))**
GÜL F., GÖNEN Z. B., Jones O. Y., Taşlı N. P., ZARARSIZ G., ÜNAL E., ÖZDARENDELİ A., Şahin F., EKEN A., YILMAZ S., et al.
FRONTIERS IN IMMUNOLOGY, vol.13, 2022 (SCI-Expanded)
- V. **Production and Characterization of Nucleocapsid and RBD Cocktail Antigens of SARS-CoV-2 in Nicotiana benthamiana Plant as a Vaccine Candidate against COVID-19**
Mamedov T., Yuksel D., Ilgin M., Gürbüz aslan I., Gulec B., Mammadova G., Ozdarendeli A., Yetiskin H., Kaplan B., Islam Pavel S. T. I., et al.
VACCINES, vol.9, no.11, 2021 (SCI-Expanded)
- VI. **Development of an Inactivated Vaccine against SARS CoV-2**
Pavel S. T. I., Yetiskin H., Uygut M. A., Aslan A. F., Aydın G., Inan Ö., Kaplan B., Ozdarendeli A.
VACCINES, vol.9, no.11, 2021 (SCI-Expanded)
- VII. **Plant-Produced Glycosylated and In Vivo Deglycosylated Receptor Binding Domain Proteins of SARS-CoV-2 Induce Potent Neutralizing Responses in Mice**
Mamedov T., Yuksel D., Ilgin M., Gurbuzaslan I., Gulec B., Yetiskin H., Uygut M. A., Islam Pavel S. T. I., Ozdarendeli A., Mammadova G., et al.
VIRUSES-BASEL, vol.13, no.8, 2021 (SCI-Expanded)
- VIII. **Isolation and characterization of severe acute respiratory syndrome coronavirus 2 in Turkey**
PAVEL S. T. I., YETİŞKİN H., AYDIN G., Holyavkin C., UYGUT M. A., Dursun Z. B., Celik İ., Cevik C., ÖZDARENDELİ A.
PLOS ONE, vol.15, 2020 (SCI-Expanded)
- IX. **Geographical and temporal distribution of SARS-CoV-2 clades in the WHO European Region, January to June 2020**
Alm E., Broberg E. K., Connor T., Hodcroft E. B., Komissarov A. B., Maurer-Stroh S., Melidou A., Neher R. A., O'Toole Á., Pereyaslov D., et al.
Eurosurveillance, vol.25, no.32, 2020 (SCI-Expanded)
- X. **Determination of Effective Parameters for Alpha-Amylase Production in a Modified Rotating Drum Bioreactor**
Uygut M. A., Tanyildizi M. A.
ARABIAN JOURNAL FOR SCIENCE AND ENGINEERING, vol.43, no.7, pp.3381-3391, 2018 (SCI-Expanded)
- XI. **Gluconic acid production with recombinant strains activated gluconic acid production pathway and provided endogenous oxygen source**
Uygut M. A., Çelik V., Tanyıldızı M. Ş.
FEBS OPEN BIO, vol.8, no.1, pp.189-190, 2018 (SCI-Expanded)
- XII. **Potential for enhancement of enzymatic hydrolysis of sugar maple (Acer saccharum)**
Uygut M. A., Zelic M., Wood C., Corbett D., Dongre P., Bujanovic B.

Articles Published in Other Journals

I. **Çam Kozalağıyla Bazik Mavi 3Adsorpsiyonu**

TANYILDIZI M. Ş., UYGUT M. A.

Fırat Üniv. Müh. Bil. Dergisi, vol.28, no.2, pp.169-174, 2016 (Peer-Reviewed Journal)

Books & Book Chapters

I. **İnaktif Viral Aşılar**

ÖZDARENDELİ A., PAVEL S. T. I., YETİŞKİN H., UYGUT M. A., KAPLAN B.

in: AŞI ÇALIŞMALARINI VE TEKNOLOJİSİNİ, Mert Döşkaya, Adnan Yüksel Gürüz, Ayşe Gülten Kantarcı, Cemal Ün, Editor, Nobel Tıp Kitabevleri Tic. Ltd. Şti., İstanbul, pp.285-298, 2023

Refereed Congress / Symposium Publications in Proceedings

I. **Production of SARS-CoV-2 virus using different culture techniques by vero cell line**

Uygut M. A., Tanyıldızı M. Ş., Özdarendeli A.

12th International Conference on Biotechnology and Bioengineering & 6th International Conference on Agricultural and Food Science, Modena, Italy, 28 - 30 September 2022, pp.49

II. **DEVELOPMENT of RECOMBINANT Escherichia coli W STRAINS for GLUCONIC ACID PRODUCTION by USING SYNTHETIC BIOLOGY and METABOLIC ENGINEERING APPROACHES**

Çelik V., Uygut M. A., Tanyıldızı M. Ş.

EUROASIA SUMMIT Congress on Scientific Researches and Recent Trends-6, Baku, Azerbaijan, 18 - 20 May 2020, pp.19

III. **Gluconic acid production with recombinant strains activated gluconic acid production pathway and provided endogenous oxygen source**

Uygut M. A., Çelik V., Tanyıldızı M. Ş.

43. FEBS KONGRESİ, Praha, Czech Republic, 7 - 12 July 2018, vol.8, pp.189-190

IV. **DNA Aşısı Üretim Prosesinin Superpro Designer® Simülasyon ve Planlama Programı ile Tasarımı**
UYGUT M. A.

2. Uluslararası Aşısı Bilimi Kongresi ISV Destekli DNA Aşısı Çalıştayı, İzmir, Turkey, 24 - 26 May 2018, pp.60

V. **Büyük Ölçekli DNA Aşısı Üretim Prosesine Genel Bakış ve Küresel Pazardaki Son Gelişmeler**

UYGUT M. A.

2. Uluslararası Aşısı Bilimi Kongresi ISV Destekli DNA Aşısı Çalıştayı, İzmir, Turkey, 24 - 26 May 2018, pp.64

VI. **Optimization of Operating Parameters on Volumetric Oxygen Transfer Coefficient (kLa) in Novel Rotating Drum Bioreactor**

SELEN V., TANYILDIZI M. Ş., UYGUT M. A.

The International Advanced Technologies Symposium (IATS17), 19 - 21 October 2017, pp.191

VII. **α-Amylase Production by Submerged Fermentation in Novel Rotating Drum Bioreactor**

TANYILDIZI M. Ş., UYGUT M. A.

International Conference on Advances and Innovations in Engineering, 10 - 12 June 2017

VIII. **Investigation of α-Amylase Production in Novel Rotating Drum Bioreactor**

TANYILDIZI M. Ş., UYGUT M. A.

International Conference on Advances and Innovations in Engineering, 10 - 12 June 2017, pp.13-14

IX. **Doner tambur biyoreaktör tasarımı ve α-amilaz üretimi**

TANYILDIZI M. Ş., UYGUT M. A.

II. Yaşam Bilimleri Kongresi, Turkey, 23 - 25 February 2017

- X. **Removal of Basic dye by Magnetically Modified Activated Carbon**
TANYILDIZI M. Ş., ALTUNDOĞAN H. S., UYGUT M. A.
II INTERNATIONAL TURKIC WORLD CONFERENCE ON CHEMICAL SCIENCES AND TECHNOLOGIES, ÜSKÜP, Macedonia, 26 - 30 October 2016
- XI. **Selülaz üreticisi yeni küf suşlarının izolasyonu ve katı substrat ortamında enzim üretimi**
UYGUT M. A., TANYILDIZI M. Ş.
1st International Mediterranean Science and Engineering Congress (IMSEC 2016), Adana, Turkey, 26 - 28 October 2016, pp.5872-5880
- XII. **Production of Amylase by Bacillus Amyloliquefaciens under Solid State Fermentation**
UYGUT M. A., TANYILDIZI M. Ş., TOPDEMİR A., KALENDER M.
7. Bioengineering Congress, İzmir, Turkey, 18 - 21 November 2015, pp.112
- XIII. **Utilization of Orange Peels for the Production of Amylase under Semi Solid State Fermentation by Bacillus Amyloliquefaciens**
UYGUT M. A., TANYILDIZI M. Ş., ELÇİÇEK S., KALENDER M.
7. Bioengineering Congress, İzmir, Turkey, 18 - 21 November 2015, pp.32
- XIV. **Potential for enhancement of enzymatic hydrolysis of sugar maple acer saccharum**
UYGUT M. A., DEREK BELDON C., CHRISTOPHER W., MATT Z., BILJANA B.
249th ACS National Meeting and Exposition, Colorado, United States Of America, 22 - 26 March 2015

Supported Projects

ÖZDARENDELİ A., KAPLAN B., YETİŞKİN H., UYGUT M. A., PAVEL S. T. I., Project Supported by Higher Education Institutions, Covid19a karşı bivalent ve trivalent inaktif aşı geliştirilmesi, 2022 - Continues

ÖZDARENDELİ A., AYDIN G., PAVEL S. T. I., YETİŞKİN H., KAPLAN B., UYGUT M. A., ASLAN A. F., Project Supported by Higher Education Institutions, Covid-19'a karşı Bakülovirus tabanlı ekspresyon sisteminin geliştirilmesi ve biyolojik aktivitesinin araştırılması, 2022 - Continues

Patent

Özdarendeli A., Pavel S. T. I., Aydın G., Uygut M. A., Yetişkin H., COVID-19'A KARŞI GELİŞTİRİLEN HÜCRE KÜLTÜR TABANLI İNAKTİF AŞI, Patent, CHAPTER A Human Needs, The Invention Recourse Number: 2021/014461 , Standard Registration, 2021

Metrics

Publication: 30

Citation (WoS): 128

Citation (Scopus): 283

H-Index (WoS): 7

H-Index (Scopus): 7

Scholarships

43. FEBS kongresi ulaşım/katılım/konaklama bursu, Other International Organizations, 2018 - 2018

2210-C Öncelikli AlanlaraYönelik Yurt İçi Yüksek Lisans Bursu, TUBITAK, 2014 - 2015

Awards

Uygut M. A., 2. Uluslararası Aşı Bilimi Kongresi-Poster Bildiri Ödülü, Aşı Bilimi Derneđi, May 2018