

Res. Asst. PhD Şeyma Hande TEKARSLAN ŞAHİN

Personal Information

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Education Information

Post Doctorate, Ludwig-Maximilians-Universitaet München, Faculty Of Chemistry And Pharmacy, Germany 2018 - 2018
Doctorate, Istanbul Technical University, Moleküler Biyoloji&Genetik Ve Biyoteknoloji, Turkey 2010 - 2015
Doctorate, Albert-Ludwigs-Universitaet Freiburg im Breisgau, Moleküler Biyoloji Ve Biyokimya Enstitüsü, Germany 2010 - 2015
Postgraduate, Istanbul Technical University, Moleküler Biyoloji&Genetik Ve Biyoteknoloji, Turkey 2007 - 2009
Undergraduate Double Major, Istanbul University, Faculty Of Science, Biyoloji, Turkey 2004 - 2007
Undergraduate, Istanbul University, School Of Business, Turkey 2002 - 2006

Foreign Languages

English, C1 Advanced

Certificates, Courses and Trainings

Health&Medicine, Deney Hayvanları Kullanım Sertifikası Kursu, İstanbul Üniversitesi İstanbul Tıp Fakültesi, 2017

Research Areas

Health Sciences, Pharmacology and Therapeutics, Pharmaceutics Technology, Pharmaceutical Biotechnology, Life Sciences, Biotechnology, Molecular Biology and Genetics, Natural Sciences

Academic Titles / Tasks

Research Assistant PhD, Istanbul University, Faculty of Pharmacy , Farmasötik Teknoloji, 2015 - Continues

Research Assistant, Istanbul University, Faculty of Pharmacy , Department of Pharmaceutical Technology, 2012 - 2015

Academic and Administrative Experience

Published journal articles indexed by SCI, SSCI, and AHCI

- Preparation and Characterization of Doripenem-Loaded Microparticles for Pulmonary Delivery**
YILDIZ PEKÖZ A., AKBAL DAĞISTAN Ö., TEKARSLAN ŞAHİN Ş. H., SAĞIRLI A. O., Mülazımoğlu L., Morina D., CEVHER

E.

JOURNAL OF AEROSOL MEDICINE AND PULMONARY DRUG DELIVERY, vol.1, pp.1-8, 2018 (SCI-Expanded)

- II. **Physiological and transcriptomic analysis of a salt-resistant *Saccharomyces cerevisiae* mutant obtained by evolutionary engineering.**

Tekarslan-Sahin S., ALKIM C., SEZGIN T.

Bosnian journal of basic medical sciences, vol.18, pp.55-65, 2018 (SCI-Expanded)

Articles Published in Other Journals

- I. **Targeted Drug Delivery And Vaccinology Approaches With Virus-like Particles (VLPs) For Cancer**
Şereflioğlu Ş., Yapıcı E., TEKARSLAN ŞAHİN Ş. H., ERGİNER Y., Üstündağ C. B.
ISTANBUL JOURNAL OF PHARMACY, vol.7, pp.41-46, 2017 (ESCI)
- II. **BUDESONIDE SELF-NANOEMULSION FORMULATION AS AN ORAL DRUG DELIVERY SYSTEM: PREPARATION, CHARACTERIZATION AND CYTOTOXICITY STUDIES**
Mesut B., Tekarslan Şahin Ş. H., Erginer Y.
PressAcademia Procedia, vol.5, no.1, pp.41-46, 2017 (Peer-Reviewed Journal)
- III. **Applications of cell culture studies in pharmaceutical technology**
Tekarslan Şahin Ş. H., MESUT B., Özsoy Y.
Acta Pharmaceutica Scientia, vol.55, no.3, pp.63-79, 2017 (Scopus)
- IV. **Physiological and genetic analysis of cellular sodium and lithium response/resistance behavior using the yeast *Saccharomyces cerevisiae* as a model organism**
TEKARSLAN Ş. H., Alkm C., Hunte C., Çakar Z. P.
Journal of Faculty Pharmacy of Istanbul University, vol.45, no.2, pp.165-179, 2015 (Peer-Reviewed Journal)

Refereed Congress / Symposium Publications in Proceedings

- I. **Evaluation of cytotoxicity of of budesonide-loaded Snedds on human colon cancer cell lines**
MESUT B., TEKARSLAN ŞAHİN Ş. H., ERGİNER Y.
2nd International Gazi Pharma Symposium Series, İstanbul, Turkey, 11 - 13 October 2017, pp.96
- II. **Doripenem-loaded Microparticles For Pulmonary Delivery**
YILDIZ PEKÖZ A., TEKARSLAN ŞAHİN Ş. H., AKBAL DAĞISTAN Ö., SAĞIRLI A. O., Mülazımoğlu L., MORİNA D., CEVHER E.
The Drug Pulmonary Drug Delivery Workshop, İstanbul, Turkey, 19 - 21 September 2017, pp.5
- III. **Tacrolimus Loaded Pluronic®F127 Micelles: Cellular Viability and Cell Growth for Ocular Administration**
KAHRAMAN E., KARACA M., TEKARSLAN ŞAHİN Ş. H., YILDIZ PEKÖZ A., ERGİNER Y., GÜNGÖR S.
The 6th Pharmaceutical Sciences World Congress, Stockholm, Sweden, 21 - 24 May 2017
- IV. **Tacrolimus loaded Pluronic F127 micelles: Cellular viability and cell growth for ocular administration**
KAHRAMAN E., KARACA M., TEKARSLAN ŞAHİN Ş. H., YILDIZ PEKÖZ A., GÜNGÖR S., ERGİNER Y.
6th Pharmaceutical Sciences World Congress, Stockholm, Sweden, 21 - 24 May 2017
- V. **Budesonide self-nanoemulsion formulation as an oral drug delivery system: Preparation, characterization and cytotoxicity studies**
Mesut B., Tekarslan Şahin Ş. H., Erginer Y.
2nd World Conference on Technology, Innovation and Entrepreneurship, İstanbul, Turkey, 12 - 14 May 2017, pp.54
- VI. **Artificial Neural Networks in Pharmaceutical Technology**
MESUT B., TEKARSLAN ŞAHİN Ş. H., ERGİNER Y.
2nd World Conference on Technology, Innovation and Entrepreneurship, İstanbul, Turkey, 12 - 14 May 2017

- VII. **The Importance of the Self Nano/Microemulsifying Drug Delivery Systems (SN/MEDDs) for Oral Drug Delivery**
MESUT B., TEKARSLAN ŞAHİN Ş. H., ERGİNER Y.
4th BAU DRUG DESIGN Congress, İstanbul, Turkey, 13 - 15 October 2016
- VIII. **Mutagenesis of Na⁺/H⁺ Antiporter**
TEKARSLAN ŞAHİN Ş. H., Bogdanovic X., Çakar Z. P., Hunte C.
4TH BAU DRUG DESIGN Congress, İstanbul, Turkey, 13 - 15 October 2016
- IX. **Production and overexpression of Na⁺/H⁺ antiporter**
TEKARSLAN Ş. H., Bogdanovic X., Çakar Z. P., Hunte C.
International Gazi Pharma Symposium, Antalya, Turkey, 12 - 15 November 2015, pp.140
- X. **Preparation And Evaluation Of Doripenem Loaded Microparticles For Pulmonary Delivery**
AKBAL DAĞISTAN Ö., TEKARSLAN Ş. H., Morina D., CEVHER E., YILDIZ PEKÖZ A.
3rd International BAU Drug Design Congress, İstanbul, Turkey, 1 - 03 October 2015, pp.156
- XI. **Emerging trends in Pharmaceutical Industry: Biosimilars Position of Turkey**
AKBAL DAĞISTAN Ö., TEKARSLAN Ş. H., CEVHER E.
World Conference on Technology, Innovation and Entrepreneursip, İstanbul, Turkey, 28 - 30 May 2015, pp.90
- XII. **Development and Future of Therapeutic Proteins**
TEKARSLAN Ş. H., AKBAL DAĞISTAN Ö., CEVHER E.
World Conference on Technology, Innovation and Entrepreneursip, İstanbul, Turkey, 28 - 30 May 2015, pp.95
- XIII. **Doripenem loaded microparticles delivery via pulmonary route for pneumonia treatment**
YILDIZ PEKÖZ A., AKBAL DAĞISTAN Ö., TEKARSLAN Ş. H., CEVHER E.
Drug Delivery to the Lungs-DDL 25, Edinburgh, United Kingdom, 10 - 12 December 2014, pp.96
- XIV. **Preparation of Doripenem loaded Microparticles for Pulmonary Delivery**
TEKARSLAN Ş. H., AKBAL DAĞISTAN Ö., CEVHER E., YILDIZ PEKÖZ A.
2nd International BAU Drug Design Congress 2014, İstanbul, Turkey, 17 - 19 April 2014, pp.118
- XV. **Evolutionary engineering and molecular characterization of salt-resistant *Saccharomyces cerevisiae***
TEKARSLAN Ş. H., Sezgin T., Yılmaz Ü., Alkım C., Ördek N., Tekin M. A., Gündüz S., Akman S., Çakar Z. P.
5th Conference on Physiology of Yeast and Filamentous Fungi, PYFF 2013, Montpellier, France, 4 - 07 June 2013, pp.139
- XVI. **Evolutionary engineering of cobalt-resistant *Rhodobacter sphaeroides***
TEKARSLAN Ş. H., Yılmaz Ü., Akşit A., Alkım C., Di Paolo ., Trotta M., Çakar Z. P.
International Conference on Enzyme Science and Technology, Aydın, Turkey, 31 October - 04 November 2011, pp.109
- XVII. **Characteristics of Iron resistant *Saccharomyces cerevisiae* obtained by Evolutionary Engineering**
Balaban B. G., TEKARSLAN Ş. H., Aloglu-Sezgin T., Çakar Z. P.
4th Conference on Physiology of Yeast and Filamentous Fungi, Rotterdam, Netherlands, 1 - 04 June 2010, pp.10

Supported Projects

ERGİNER Y., MESUT B., TEKARSLAN Ş. H., Project Supported by Higher Education Institutions, Aprepitant etkin maddesini içeren kendiliğinden emülsifiye olabilen sistemlerin SMEDD hazırlanması ve in vitro karakterizasyonunun değerlendirilmesi, 2017 - 2019

Scientific Refereeing

Journal of Research in Pharmacy, National Scientific Refreed Journal, April 2018

Metrics

Publication: 23
Citation (WoS): 3
Citation (Scopus): 3
H-Index (WoS): 1
H-Index (Scopus): 1

Congress and Symposium Activities

GLP eğitimi, Attendee, İstanbul, Turkey, 2018
18th International Pharmaceutical Technology Symposium, Attendee, Antalya, Turkey, 2016
International Gazi Pharma Symposium, Attendee, Antalya, Turkey, 2015
3rd International BAU Drug Design Congress, Attendee, İstanbul, Turkey, 2015
World Conference on Technology, Innovation and Entrepreneurship, Attendee, İstanbul, Turkey, 2015
Drug Delivery to the Lungs, Attendee, Edinburgh, United Kingdom, 2014
2nd International Bahçeşehir University (BAU) Drug Design Congress, Attendee, İstanbul, Turkey, 2014
International Conference on Applied Informatics for Health and Life Sciences, Attendee, İstanbul, Turkey, 2013
5th Conference on Physiology of Yeast and Filamentous Fungi, Attendee, Montpellier, France, 2013
COST Action: CM0902 Training School, Attendee, Lizbon, Portugal, 2013
MolBiyoKon2012 First International Congress of the Molecular Biology Association of Turkey, Attendee, İstanbul, Turkey, 2012
Türkiye Genom projesi, Attendee, İstanbul, Turkey, 2012

Scholarships

Yurt içi doktora burs programı,, TUBITAK, 2009 - Continues