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Personal Information

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Education Information

Post Doctorate, Ludwig-Maximilians-Universitaet München, Faculty of Pharmacy and Chemistry, Pharmaceutical Biotechnology, Germany 2018 - 2018

Doctorate, Istanbul Technical University, Fen Bilimleri Enstitüsü, Moleküler Biyoloji&Genetik Ve Biyoteknoloji, Turkey 2009 - 2015

Postgraduate, Istanbul Technical University, Fen Bilimleri Enstitüsü, Moleküler Biyoloji&Genetik Ve Biyoteknoloji, Turkey 2007 - 2009

Undergraduate Double Major, Istanbul University, Faculty Of Science, Department Of Biology, Turkey 2004 - 2007

Undergraduate, Istanbul University, School Of Business, Department Of Business Administration, Turkey 2002 - 2006

Research Areas

Natural Sciences

Academic Titles / Tasks

Research Assistant PhD, Istanbul University, Faculty Of Pharmacy , Department Of Pharmaceutical Technology, 2015 - 2019

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

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

- I. **Budesonide-Loaded Self-Nanoemulsion Formulations Optimisation and Characterisation Studies**
Mesut B., Tekarслан Şahin Ş. H. , Erginer Y.
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- II. **Design of an amphiphilic hyperbranched core/shell-type polymeric nanocarrier platform for drug delivery**
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- III. **In vitro cytotoxic activity of microalgal extracts loaded nano-micro particles produced via electrospraying and microemulsion methods**
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- IV. **Preparation and Characterization of Doripenem-Loaded Microparticles for Pulmonary Delivery**
Yildiz-Pekoz A., Akbal O., Tekarслан Ş. H. , Sağırılı A. O. , Durmuşoğlu L., Morina D., Cevher E.
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- V. **Physiological and transcriptomic analysis of a salt-resistant *Saccharomyces cerevisiae* mutant obtained by evolutionary engineering**

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VI. **DORIPENEM LOADED MICROPARTICLES DELIVERY VIA PULMONARY ROUTE FOR PNEUMONIA TREATMENT**

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Articles Published in Other Journals

- I. **Targeted drug delivery and vaccinology approaches using virus-like particles for cancer**
Sereflioglu S., Yapici E., Şahin Ş. H. , Erginer Y., Üstündağ C. B.
ISTANBUL JOURNAL OF PHARMACY, vol.47, no.3, pp.112-119, 2017 (Journal Indexed in ESCI)
- II. **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 (Refereed Journals of Other Institutions)
- III. **Physiological and genetic analysis of cellular sodium and lithium response/resistance behavior using the yeast Saccharomyces cerevisiae as a model organism**
Tekarslan Ş. H. , Alkim C., Hunte C., Çakar Z. P.
ISTANBUL JOURNAL OF PHARMACY, vol.45, no.2, pp.165-179, 2015 (Journal Indexed in ESCI)

Books & Book Chapters

- I. **Metabolic engineering of Saccharomyces cerevisiae**
Tekarslan Şahin Ş. H.
in: Saccharomyces, Ph.D. Thalita Peixoto Basso, Editor, IntechOpen, London, pp.1-13, 2021

Refereed Congress / Symposium Publications in Proceedings

- I. **Çekirdek/kabuk yapısında polimerik nanopartiküllerin sentezi, karakterizasyonu ve preformülasyon çalışmaları**
Bal Öztürk A., Oğuz N., Tekarslan Şahin Ş. H. , Emik S., Alarçin E.
2. Ulusal Marmara Eczacılık Kongresi, İstanbul, Turkey, 14 - 16 November 2018, pp.1
- II. **Optimization of CXCL2 Gene Expression in Rat Renal Ischemia-Reperfusion Injury**
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- III. **Doripenem-loaded Microparticles For Pulmonary Delivery**
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- IV. **Evaluation of cytotoxicity of of budesonide-loaded Snedds on human colon cancer cell lines**
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- V. **"Preparation and Characterization of Doripenem- Loaded Microparticles for Pulmonary Delivery**
Yıldız Peköz A., Tekarslan Şahin Ş. H. , Akbal Dağistan Ö., Sağırlı A. O. , Morina D., Cevher E.
4th Pulmonary Drug Delivery Workshop, İstanbul, Turkey, 19 - 21 September 2017, pp.1
- VI. **Doripenem-loaded Microparticles For Pulmonary Delivery**
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The Drug Pulmonary Drug Delivery Workshop, İstanbul, Turkey, 19 - 21 September 2017, pp.5
- VII. **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.1

VIII. Artificial Neural Networks in Pharmaceutical Technology

Mesut B., Tekarslan Şahin Ş. H. , Erginer Y.

2nd World Conference on Technology, Innovation and Entrepreneurship, İstanbul, Turkey, 12 - 14 May 2017, pp.1

IX. Ischemia-reperfusion effects on DUSP1 and CXCL2 gene expression in rat kidney tissues

Tekarslan Şahin Ş. H.

The 22nd Biomedical Science and Technology Symposium, Ankara, Turkey, 12 - 14 May 2017, pp.1

X. The Importance of the Self Nano/Microemulsifying Drug Delivery Systems (SN/MEDDs) for Oral Drug Delivery

Mesut B., Tekarslan Şahin Ş. H. , Erginer Y.

4. BAU DRUG DESIGN Congress, İstanbul, Turkey, 13 - 15 October 2016, pp.1

XI. Mutagenesis of Na⁺/H⁺ Antiporter

Tekarslan Şahin Ş. H. , Bogdanovic X., Çakar Z. P. , Hunte C.

4. BAU DRUG DESIGN Congress, İstanbul, Turkey, 13 - 15 October 2016, pp.1

XII. Production and overexpression of Na⁺/H⁺ antiporter

Tekarslan Şahin Ş. H. , Bogdanovic X., Çakar Z. P. , Hunte C.

International Gazi Pharma Symposium, Antalya, Turkey, 12 - 15 November 2015, pp.1

XIII. Preparation And Evaluation Of Doripenem Loaded Microparticles For Pulmonary Delivery

Akbal Dağıştan Ö., Tekarslan Şahin Ş. H. , Morina D., Cevher E., Yıldız Peköz A.

3rd International BAU Drug Design Congress, İstanbul, Turkey, 1 - 03 October 2015, pp.156

XIV. Development And Future Of Therapeutic Proteins

Tekarslan Şahin Ş. H. , Akbal Dağıştan Ö., Cevher E.

World Conference on Technology, Innovation and Entrepreneurship, İstanbul, Turkey, 28 - 30 May 2015, pp.95

XV. Emerging Trends In Pharmaceutical Industry: Biosimilars Position Of Turkey

Akbal Dağıştan Ö., Tekarslan Şahin Ş. H. , Cevher E.

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XVI. Doripenem Loaded Microparticles Delivery Via Pulmonary Route For Pneumonia Treatment

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XVII. Preparation Of Doripenem Loaded Microparticles For Pulmonary Delivery

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XVIII. Evolutionary Engineering And Molecular Characterization Of Salt-Resistant *Saccharomyces cerevisiae*

Tekarslan Şahin 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

XIX. Evolutionary Engineering Of Cobalt-Resistant *Rhodobacter sphaeroides*

Tekarslan Şahin Ş. H. , Yılmaz Ü., Akşit A., Alkım C., Di Paola F., Trotta M., Çakar Z. P.

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XX. Characteristics of Iron resistant *Saccharomyces cerevisiae* obtained by Evolutionary Engineering

Balaban B. G. , Tekarslan Şahin Ş. H. , Aloğlu Sezgin T., Çakar Z. P.

4th Conference on Physiology of Yeast and Filamentous Fungi, Rotterdam, Netherlands, 8 - 10 June 2010, pp.10

Patent

Erginer Y., Mesut B., Tekarslan Şahin Ş. H. , Hint Yağı İçeren Kapsül Formunda Farmasötik Bileşim, Patent, CHAPTER A

Human Needs, The Invention Recourse Number: 2018 , Initial Registration, 2018

Tekarslan Şahin Ş. H. , Mesut B., Erginer Y., APREPİTANT VE DEKSAMETAZONUN KENDİLİĞİNDEN EMÜLSİFİYE OLAN SALIM SİSTEMİ İLE HAZIRLANMIŞ KATI DOZAJ FORMU KOMBİNASYONU, Patent, CHAPTER A Human Needs, The Invention Recourse Number: TR2016/20205 , Initial Registration, 2016

Mesut B., Tekarslan Şahin Ş. H. , Erginer Y., APREPİTANTIN KENDİLİĞİNDEN EMÜLSİFİYE OLAN SALIM SİSTEMİ İLE HAZIRLANMIŞ KATI DOZAJ FORMÜLASYONU, Patent, CHAPTER A Human Needs, The Invention Recourse Number: 2016/20200 , Initial Registration, 2016

Scientific Refereeing

ANNALS OF ANIMAL SCIENCE, Other Indexed Journal, February 2021

APPLIED MICROBIOLOGY AND BIOTECHNOLOGY, SCI Journal, November 2020

JOURNAL OF RESEARCH IN PHARMACY (ONLINE), National Scientific Refreed Journal, April 2018

Citations

Total Citations (WOS):20

h-index (WOS):3

Scholarships

Yurt İçi Doktora Burs Programı, TUBITAK, 2009 - 2015