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International Researcher IDs

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Education Information

Doctorate, Hacettepe University, Eczacılık Fakültesi, Eczacılık Teknolojisi Bölümü, Turkey 2017 - 2022

Research Areas

Pharmaceutical Technology

Academic Titles / Tasks

Research Assistant, Hacettepe University, Eczacılık Fakültesi, Eczacılık Teknolojisi Bölümü, 2019 - Continues

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **In vivo evaluation of new adjuvant systems based on combination of Salmonella Typhi porins with particulate systems: Liposomes versus polymeric particles**
Parmaksız S., Pekcan M., Özkul A., Türkmen E., Rivero-Arredondo V., Ontiveros-Padilla L., Forbes N., Perrie Y., Lopez-Macias C., Şenel S.
International Journal of Pharmaceutics, vol.648, pp.1-12, 2023 (SCI-Expanded)
- II. **A safe bioadhesive system for topical delivery of combined antimicrobials in treatment of skin infections in veterinary medicine**
Türkmen E., PARMAKSIZ S., NİGİZ Ş., Sağıroğlu M., ŞENEL S.
Journal of Drug Delivery Science and Technology, vol.80, 2023 (SCI-Expanded)
- III. **Development of multistage recombinant protein vaccine formulations against toxoplasmosis using a new chitosan and porin based adjuvant system**
PARMAKSIZ S., Gul A., Alak S. E., Karakavuk M., Can H., Gul C., Karakavuk T., Lopez-Macias C., PURALI N., Doskaya M., et al.
INTERNATIONAL JOURNAL OF PHARMACEUTICS, vol.626, 2022 (SCI-Expanded)
- IV. **Mucoadhesive bilayered buccal platform for antifungal drug delivery into the oral cavity**
Uzunoglu B., Wilson C. G., SAĞIROĞLU M., YÜKSEL S., ŞENEL S.
DRUG DELIVERY AND TRANSLATIONAL RESEARCH, vol.11, no.1, pp.318-327, 2021 (SCI-Expanded)
- V. **An Overview on Chitosan-Based Adjuvant/ Vaccine Delivery Systems**

PARMAKSIZ S., ŞENEL S.

CHITOSAN FOR BIOMATERIALS IV: BIOMEDICAL APPLICATIONS, vol.288, pp.293-379, 2021 (SCI-Expanded)

- VI. **Chitosan-based particulate systems for drug and vaccine delivery in the treatment and prevention of neglected tropical diseases**

ŞENEL S., YÜKSEL S.

DRUG DELIVERY AND TRANSLATIONAL RESEARCH, vol.10, no.6, pp.1644-1674, 2020 (SCI-Expanded)

- VII. **Development and in vitro evaluation of a new adjuvant system containing Salmonella Typhi porins and chitosan**

YÜKSEL S., PEKCAN M., PURALI N., ESENDAĞLI G., Tavukcuoglu E., Rivero-Arredondo V., Ontiveros-Padilla L., Lopez-Macias C., ŞENEL S.

INTERNATIONAL JOURNAL OF PHARMACEUTICS, vol.578, 2020 (SCI-Expanded)

- VIII. **Localized drug delivery with mono and bilayered mucoadhesive films and wafers for oral mucosal infections**

TİMUR S. S., Yüksel S., Akca G., ŞENEL S.

International Journal of Pharmaceutics, vol.559, pp.102-112, 2019 (SCI-Expanded)

- IX. **Using PVA and TPGS as combined emulsifier in nanoprecipitation method improves characteristics and anticancer activity of ibuprofen loaded PLGA nanoparticles**

ŞAHİN A. E., Spiroux F., Guedon I., ARSLAN F. N., SARCAN E. T., Ozkan T., Colak N., YÜKSEL S., ÖZDEMİR S., ÖZDEMİR B., et al.

Pharmazie, vol.72, no.9, pp.525-528, 2017 (SCI-Expanded)

Articles Published in Other Journals

- I. **Development and Validation of an HPLC Method for Simultaneous Determination of Miconazole Nitrate and Chlorhexidine Digluconate in Chitosan-Based Gel Formulations**

Türkmen E., Parmaksız S., Çelebier M., Şenel S.

FABAD JOURNAL OF PHARMACEUTICAL SCIENCES, vol.48, no.1, pp.75-90, 2023 (Peer-Reviewed Journal)

Books & Book Chapters

- I. **Carboxymethyl Chitosan for Drug and Vaccine Delivery: An Overview**

PARMAKSIZ S., ŞENEL S.

in: Advances in Polymer Science. Multifaceted Carboxymethyl Chitosan Derivatives: Properties and Biomedical Applications, Rangasamy, Jayakumar, Editor, Springer, Charm., pp.1-31, 2023

Refereed Congress / Symposium Publications in Proceedings

- I. **In vivo efficiency of a new liposomal adjuvant system based on porins**

Parmaksız S., Türkmen E., Özkul A., Rivero-Arredondo V., Ontiveros-Padilla L., Hussein M. T., Andrew Forbes N. L., Lopez-Macias C., Perrie Y., Şenel S.

9th BBBB International Conference on Pharmaceutical Science, Ljubljana, Slovenia, 15 - 17 September 2022, pp.77-78

- II. **In vivo studies on enhancement of immune responses by porins-chitosan adjuvant system**

Yüksel S., Pekcan M., Türkmen E., Özkul A., Puralı N., Rivero-Arredondo V., Ontiveros-Padilla L., Lopez-Macias C., Şenel S.

8th BBBB, İzmir, Turkey, 14 - 16 October 2019

- III. **Activation of Dendritic Cells by an Adjuvant System Composed of Chitosan and Porins**

Ontiveros-Padilla L., Yüksel S., Rivero-Arredondo V., Pekcan M., Özkul A., Puralı N., Bonifaz L., Şenel S., Lopez-

Macias C.

CRS Annual Meeting, Valencia, Spain, 21 - 24 July 2019, pp.1

- IV. **In Vitro Activation Of Murine Macrophages by Adjuvant System Composed Of Chitosan And Porins**
Yüksel S., Pekcan M., Özkul A., Puralı N., Esendağlı G., Tavukçuoğlu E., Rivero-Arrendondo V., Ontiveros-Padilla L., Lopez-Macias C., Şenel S.
EUFEPS Annual Meeting 2019, Frankfurt, Germany, 6 - 08 March 2019, pp.1
- V. **In Vitro Evaluation of Porin Encapsulated Chitosan Nanosystems for Mucosal Vaccine Delivery**
Yüksel S., Pekcan M., Puralı N., Özkul A., Esendağlı G., Tavukçuoğlu E., Erdoğan S., Rivero-Arrendondo V., Ontiveros-Padilla L., Lopez-Macias C., et al.
AAPS PharmSci 360, Washington, United States Of America, 4 - 07 November 2018, pp.1
- VI. **Comparison of two mucoadhesive polymers for local drug delivery into oral cavity**
Timur S. S., Yüksel S., Akca G., Şenel S.
19th International Pharmaceutical Technology Symposium , Antalya, Turkey, 17 - 19 September 2018, pp.1
- VII. **Chitosan based bioadhesive film and wafer formulations for local delivery of antibiotics into oral cavity**
Timur S. S., Yüksel S., Akca G., Şenel S.
The 14th International Chitin and Chitosan Conference (14th ICC) & 12th Asia-Pacific Chitin and Chitosan Symposium , Osaka, Japan, 27 - 30 August 2018
- VIII. **Development of a novel formulation for mucosal delivery based on chitosan and Salmonella typhi outer membrane proteins**
Yüksel S., Pekcan M., Özkul A., Puralı N., Erdoğan S., Gündoğan E., Rivero-Arredondo V., Ontiveros-Padilla L., Lopez-Macias C., Şenel S.
CRS Annual Meeting and Exposition, New-York, United States Of America, 22 - 24 July 2018, pp.1
- IX. **Development of mono and bilayered bioadhesive film formulations for oral mucosal drug delivery**
Timur S. S., Yüksel S., Şenel S.
ISOPS, Ankara, Turkey, 26 - 29 April 2018, pp.1

Supported Projects

ŞENEL S., YÜKSEL S., DÖŞKAYA M., Project Supported by Higher Education Institutions, Toksoplazmozise karşı rekombinant protein antijenleri içeren yeni bir adjuvant sistemi ile aşı geliştirilmesi, 2020 - 2023

ŞENEL S., TUBİTAK Project, Alt-Birim Protein Antijenlerinin İmmunojenitesini Artırmak Amacıyla Yeni Adjuvan/Taşıyıcı Sistemlerin Geliştirilmesi, 2017 - 2019

Metrics

Publication: 24

Citation (WoS): 58

Citation (Scopus): 85

H-Index (WoS): 4

H-Index (Scopus): 5

Scholarships

TÜBİTAK 2211 GENEL DOKTORA YURTİÇİ BURS, TUBİTAK, 2018 - Continues

YÖK 100/2000 DOKTORA BURS, YOK, 2017 - 2019

Awards

Parmaksız S., Sözel Sunum 3.Lük Ödülü, 4. Uluslararası Aşı Bilim Kongresi, November 2022

Yüksel S., EUFEPS WIP Women in Pharmaceutical Sciences, Eufeps, March 2019