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KiŐisel Bilgiler

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ScopusID: 55951230800

Yoksis AraŐtırmacı ID: 3264

Eđitim Bilgileri

Doktora, Hacettepe Üniversitesi, Eczacılık Fakóltesi, Farmasötik Teknoloji, Türkiye 1985 - 1989

Yüksek Lisans, Hacettepe Üniversitesi, Eczacılık Fakóltesi, Farmasötik Teknoloji, Türkiye 1981 - 1984

Lisans, Ankara Üniversitesi, Eczacılık Fakóltesi, Türkiye 1976 - 1980

Yabancı Diller

Almanca, B2 Orta Üstü

Fransızca, B2 Orta Üstü

İngilizce, C1 İleri

Yaptığı Tezler

Doktora, Sürekli salınma sađlayan potasyum klorür tabletlerinin formölasyonu ve in vitro-in vivo deđerlendirilmesi, Hacettepe Üniversitesi, Eczacılık Fakóltesi, Eczacılık Teknolojisi Bölümü, 1989

AraŐtırma Alanları

Sađlık Bilimleri, Eczacılık, Eczacılık Teknolojisi, Farmasötik Teknoloji

Akademik Unvanlar / Görevler

Prof. Dr., Hacettepe Üniversitesi, Eczacılık Fakóltesi, Eczacılık Teknolojisi Bölümü, 2002 - Devam Ediyor

Akademik İdari Deneyim

Hacettepe Üniversitesi, Rektörlük, 2002 - 2012

Hacettepe Üniversitesi, Eczacılık Fakóltesi, Eczacılık Teknolojisi Bölümü, 2003 - 2006

Yönetilen Tezler

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- ŞENEL S., HIV enfeksiyonlarında görülen oral lezyonların tedavisi için girişimsel olmayan ilaç taşıyıcı sistemlerin geliştirilmesi, Yüksek Lisans, Z.GÜLŞEN(Öğrenci), 2011
- ŞENEL S., Development and in vitro characterization of vaccine delivery systems for mucosal immunization against bovine Herpes Virus Type 1 (BHV-1) infections, Yüksek Lisans, M.GÜNBEYAZ(Öğrenci), 2010
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SCI, SSCI ve AHCI İndekslerine Giren Dergilerde Yayınlanan Makaleler

- I. **Applications of Chitosan in Prevention and Treatment Strategies of Infectious Diseases**
SİNANİ G., Sessevmez M., ŞENEL S.
PHARMACEUTICS, sa.9, 2024 (SCI-Expanded)
- II. **Special issue on drug delivery research in Turkey**
ŞENEL S., VARAN C.
Journal of Drug Delivery Science and Technology, cilt.81, 2023 (SCI-Expanded)
- III. **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.
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- IV. **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, cilt.626, 2022 (SCI-Expanded)
- V. **Current status and future of delivery systems for prevention and treatment of infections in the oral cavity**
ŞENEL S., Ozdogan A. I., AKCA G.
DRUG DELIVERY AND TRANSLATIONAL RESEARCH, cilt.11, sa.4, ss.1703-1734, 2021 (SCI-Expanded)
- VI. **An Overview of Physical, Microbiological and Immune Barriers of Oral Mucosa**
ŞENEL S.
INTERNATIONAL JOURNAL OF MOLECULAR SCIENCES, cilt.22, sa.15, 2021 (SCI-Expanded)
- VII. **Development and in vitro evaluation of gel formulation of atorvastatin solid dispersions**
Ozdogan A. I., AKCA G., ŞENEL S.
JOURNAL OF DRUG DELIVERY SCIENCE AND TECHNOLOGY, cilt.61, 2021 (SCI-Expanded)
- VIII. **Mucoadhesive bilayered buccal platform for antifungal drug delivery into the oral cavity**
Uzunoglu B., Wilson C. G., SAĞIROĞLU M., YÜKSEL S., ŞENEL S.
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- IX. **An Overview on Chitosan-Based Adjuvant/ Vaccine Delivery Systems**
PARMAKSIZ S., ŞENEL S.
CHITOSAN FOR BIOMATERIALS IV: BIOMEDICAL APPLICATIONS, cilt.288, ss.293-379, 2021 (SCI-Expanded)
- X. **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, cilt.10, sa.6, ss.1644-1674, 2020 (SCI-Expanded)
- XI. **Development and in vitro evaluation of a new adjuvant system containing Salmonella Typhi porins**

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

- XII. **Current status and future of chitosan in drug and vaccine delivery**
ŞENEL S.
Reactive and Functional Polymers, cilt.147, 2020 (SCI-Expanded)
- XIII. **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, cilt.559, ss.102-112, 2019 (SCI-Expanded)
- XIV. **Development and in vitro evaluation of chitosan based system for local delivery of atorvastatin for treatment of periodontitis**
Işıl Özdöğ an A., AKCA G., ŞENEL S.
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- XV. **In vivo evaluation of chitosan based local delivery systems for atorvastatin in treatment of periodontitis.**
Özdöğ an A., İlarıslan Y., Kösemehmetođlu K., Akca G., Kutlu H., Comerdov E., Iskit A. B., Şenel S.
International journal of pharmaceutics, cilt.550, ss.470-476, 2018 (SCI-Expanded)
- XVI. **Comparison of different types and sources of chitosan for the treatment of infections in the oral cavity**
AKCA G., Özdemir A., Öner Z. G., ŞENEL S.
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- XVII. **Network on veterinary medicines initiated by the European Federation For Pharmaceutical Sciences**
Mochel J. P., Tyden E., Hellmann K., Vendrig J. C., ŞENEL S., Dencker L., Cristina R. T., Linden H., Schmerold I.
JOURNAL OF VETERINARY PHARMACOLOGY AND THERAPEUTICS, cilt.41, sa.3, ss.378-383, 2018 (SCI-Expanded)
- XVIII. **Orally disintegrating tablets, fast-dissolving, buccal and sublingual formulations**
ŞENEL S., Comoglu T.
Pharmaceutical Development and Technology, cilt.23, sa.5, ss.431, 2018 (SCI-Expanded)
- XIX. **Moxifloxacin Loaded Chitosan Gel Formulations for the Treatment of Periodontal Diseases**
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- XX. **Moxifloxacin loaded chitosan gel formulations for the treatment of periodontal diseases**
Bintiazeran N. S., Diyanabintizazali N., Sedatimur S. S., Özdođan A. L., EKİZOĐLU M., Sheshala R., Dua K., Sahu P. S., ŞENEL S.
Journal of Polymer Materials, cilt.34, sa.1, ss.157-169, 2017 (SCI-Expanded)
- XXI. **Position Paper: EUFEPS Network on Veterinary Medicines Initiative: An interdisciplinary forum to support Veterinary Pharmacology and promote the development of new pharmaceuticals for Animal Health**
Dencker L., Hellmann K., Mochel J., ŞENEL S., Tyden E., vendrig J., Lİnden H., schmerold I.
EUROPEAN JOURNAL OF PHARMACEUTICAL SCIENCES, cilt.91, 2016 (SCI-Expanded)
- XXII. **Meet our editorial board member**
Xu H.
Current Drug Delivery, cilt.13, sa.2, ss.171, 2016 (SCI-Expanded)
- XXIII. **Oral Mucosa for Delivery of Drugs, Allergens and Vaccines: Where are we Now?**
ŞENEL S.
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- XXIV. **Design and Development of Systemic Oral Mucosal Drug Delivery Systems**
Rathbone M. J., ŞENEL S., Pather I.
ORAL MUCOSAL DRUG DELIVERY AND THERAPY, ss.149-167, 2015 (SCI-Expanded)
- XXV. **Oral Mucosal Drug Delivery and Therapy Preface**

- Rathbone M. J., ŞENEL S., Pather I.
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- XXVI. **Overview of Oral Mucosal Delivery**
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- XXVII. **Chitosan-based systems for intranasal immunization against foot-and-mouth disease**
ÇOKÇALIŞKAN C., ÖZYÖRÜK F., GÜRSOY R. N., ALKAN M., GÜNBEYAZ M., Arca H. C., UZUNLU E., ŞENEL S.
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- XXVIII. **Characterization of Protein and Peptide Binding to Nanogels Formed by Differently Charged Chitosan Derivatives**
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- XXIX. **Developing and advancing dry powder inhalation towards enhanced therapeutics**
Stegemann S., Kopp S., Borchard G., Shah V. P., ŞENEL S., Dubey R., Urbanetz N., Cittero M., Schoubben A., Hippchen C., et al.
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- XXX. **Two percent chitosan mouthwash: A microbiological and clinical comparative study**
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- XXXI. **Recent developments in buccal and sublingual delivery systems**
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- XXXII. **Fundamentals of Vaccine Delivery in Infectious Diseases**
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- XXXIII. **Chitosan-Based Particulate Systems for Non-Invasive Vaccine Delivery**
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- XXXIV. **Chitosan based delivery systems for mucosal immunization against bovine herpesvirus 1 (BHV-1)**
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- XXXV. **Effects of Platelet-Rich Plasma and Chitosan Combination on Bone Regeneration in Experimental Rabbit Cranial Defects**
Oktay E. O., Demiralp B., Demiralp B., ŞENEL S., AKMAN A. C., Eratalay K., Akincibay H.
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- XXXVI. **Potential applications of chitosan in oral mucosal delivery**
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- XXXVII. **TMC-MCC (N-trimethyl chitosan-mono-N-carboxymethyl chitosan) nanocomplexes for mucosal delivery of vaccines**
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- XXXVIII. **PREPARATION OF A CHITOSAN-BASED FORMULATION FOR THE TREATMENT OF ORAL MUCOSAL DISORDERS**
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- XXXIX. **Clinical and Radiographic Evaluations of Chitosan Gel in Periodontal Intraosseous Defects: A Pilot Study**
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- XL. **Chitosan-based systems for the delivery of vaccine antigens**
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- XLI. **Mono-N-carboxymethyl chitosan (MCC) and N-trimethyl chitosan (TMC) nanoparticles for non-invasive vaccine delivery**
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- XLII. **Current status and the future of buccal drug delivery systems**
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- XLIII. **Application of chitosan gel in the treatment of chronic periodontitis**
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- XLIV. **Development and in vitro/in vivo evaluations of bioadhesive buccal tablets for nicotine replacement therapy**
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- XLV. **Potential applications of chitosan in veterinary medicine**
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- XLVII. **Chitosan supports the initial attachment and spreading of osteoblasts preferentially over fibroblasts**
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BIOMATERIALS, cilt.25, sa.11, ss.2075-2079, 2004 (SCI-Expanded)
- XLVIII. **The release of model macromolecules may be controlled by the hydrophobicity of palmitoyl glycol chitosan hydrogels**
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- XLIX. **Effect of chitosan on a periodontal pathogen Porphyromonas gingivalis**
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- L. **Drug permeation enhancement via buccal route: possibilities and limitations**
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JOURNAL OF CONTROLLED RELEASE, cilt.72, ss.133-144, 2001 (SCI-Expanded)
- LI. **The effect of calcitonin on osseous healing in guinea pig mandible**
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- LII. **Enhancing effect of chitosan on peptide drug delivery across buccal mucosa**
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- LIII. **Chitosan films and hydrogels of chlorhexidine gluconate for oral mucosal delivery**
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- LIV. **In vitro/in vivo studies on a buccal bioadhesive tablet formulation of carbamazepine**
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- LV. **Formulation and in vitro in vivo investigation of carbamazepine controlled-release matrix tablets**

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PHARMAZEUTISCHE INDUSTRIE, cilt.51, sa.4, ss.443-448, 1989 (SCI-Expanded)

Diğer Dergilerde Yayınlanan Makaleler

I. An Overview of In Vitro Release Test Methods Used In The Study of Nanoparticulate Drug Delivery Systems Nanopartiküler İlaç Taşıyıcı Sistemlerinin İncelenmesinde Kullanılan İn Vitro Salım Testi Yöntemlerine Genel Bir Bakış

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Hakemli Kongre / Sempozyum Bildiri Kitaplarında Yer Alan Yayınlar

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, Slovenya, 15 - 17 Eylül 2022, ss.77-78

II. A chitosan based bioadhesive gel for delivery of combined antimicrobials with enhanced activity in local treatment of skin infections in humans and animals

Türkmen E., Parmaksız S., Nigiz Ş., Sağıroğlu M., Şenel S.

9th BBBB International Conference on Pharmaceutical Science, Ljubljana, Slovenya, 15 - 17 Eylül 2022, ss.113-114

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

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IV. Preparation and characterisation of chitosan/silver nanowires scaffolds for tissue engineering applications

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19th International Pharmaceutical Technology Symposium-IPTS-2018, 17 - 19 Eylül 2018

V. Activation of Dendritic Cells by an Adjuvant System Composed of Chitosan and Porins

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

CRS Annual Meeting, Valencia, İspanya, 21 - 24 Temmuz 2019, ss.1

- VI. **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.
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- VII. **In Vitro Evaluation of Porin Encapsulated Chitosan Nanosystems for Mucosal Vaccine Delivery**
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- VIII. **Comparison of two mucoadhesive polymers for local drug delivery into oral cavity**
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- IX. **Micro and nano systems to enhance the immune responses**
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- X. **Chitosan based bioadhesive film and wafer formulations for local delivery of antibiotics into oral cavity**
Timur S. S., Yüksel S., Akca G., Şenel S.
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- XI. **Development of a novel formulation for mucosal delivery based on chitosan and Salmonella typhi outer membrane proteins**
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- XII. **Development of mono and bilayered bioadhesive film formulations for oral mucosal drug delivery**
Timur S. S., Yüksel S., Şenel S.
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- XIII. **Chitosan Based Gels for Local Delivery of Atorvastatin in Treatment of Periodontitis: In Vivo Studies in Periodontitis Induced Animal Model**
Özdoğan A., İLARSLAN Y. D., KÖSEMEHMETOĞLU K., KUTLU H., EL C., ŞENEL S.
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- XIV. **Chitosan for mucosal antigen/allergen delivery**
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- XV. **Comparative statistical analysis of ex vivo permeation and antifungal. Activity studies of Terbinafine hydrochloride chitosan gels**
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- XVI. **Oxytetracycline hydrochloride incorporated gel and sponges Formulation and preliminary in Vivo studies**
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- XVII. **Chitosan and alginate scaffolds for tissue regeneration**
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