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Education Information

Doctorate, Hacettepe University, Eczacılık Fakóltesi, Farmasötik Teknoloji, Turkey 1985 - 1989

Postgraduate, Hacettepe University, Eczacılık Fakóltesi, Farmasötik Teknoloji, Turkey 1981 - 1984

Undergraduate, Ankara University, Eczacılık Fakóltesi, Turkey 1976 - 1980

Foreign Languages

German, B2 Upper Intermediate

French, B2 Upper Intermediate

English, C1 Advanced

Dissertations

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

Research Areas

Health Sciences, Pharmacology and Therapeutics, Pharmaceutics Technology, Pharmaceutical Technology

Academic Titles / Tasks

Professor, Hacettepe University, Eczacılık Fakóltesi, Eczacılık Teknolojisi Bölümü, 2002 - Continues

Academic and Administrative Experience

Hacettepe Üniversitesi, Rektörlük, 2002 - 2012

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

Advising Theses

- ŞENEL S., Doku mühendisliği için kitosan içeren doku iskelesi geliştirilmesi: Formülasyon ve in vitro değerlendirmeler, Postgraduate, S.BURÇİN(Student), 2012
- ŞENEL S., HIV enfeksiyonlarında görülen oral lezyonların tedavisi için girişimsel olmayan ilaç taşıyıcı sistemlerin geliştirilmesi, Postgraduate, Z.GÜLŞEN(Student), 2011
- ŞENEL S., Development and in vitro characterization of vaccine delivery systems for mucosal immunization against bovine Herpes Virus Type 1 (BHV-1) infections, Postgraduate, M.GÜNBEYAZ(Student), 2010
- ŞENEL S., Development of non-invasive vaccine carriers, Doctorate, B.SAYIN(Student), 2007
- ŞENEL S., Oral mukozit tedavisinde kullanılacak etkin bir oklüzif mukoadezif sistemin geliştirilmesi ve değerlendirilmesi, Postgraduate, P.AKSUNGUR(Student), 2003

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Applications of Chitosan in Prevention and Treatment Strategies of Infectious Diseases**
SİNANİ G., Sessevmez M., ŞENEL S.
PHARMACEUTICS, no.9, 2024 (SCI-Expanded)
- II. **Special issue on drug delivery research in Turkey**
ŞENEL S., VARAN C.
Journal of Drug Delivery Science and Technology, vol.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.
Journal of Drug Delivery Science and Technology, vol.80, 2023 (SCI-Expanded)
- 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, vol.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, vol.11, no.4, pp.1703-1734, 2021 (SCI-Expanded)
- VI. **An Overview of Physical, Microbiological and Immune Barriers of Oral Mucosa**
ŞENEL S.
INTERNATIONAL JOURNAL OF MOLECULAR SCIENCES, vol.22, no.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, vol.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.
DRUG DELIVERY AND TRANSLATIONAL RESEARCH, vol.11, no.1, pp.318-327, 2021 (SCI-Expanded)
- IX. **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)
- 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, vol.10, no.6, pp.1644-1674, 2020 (SCI-Expanded)
- XI. **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)

- XII. **Current status and future of chitosan in drug and vaccine delivery**
ŞENEL S.
Reactive and Functional Polymers, vol.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, vol.559, pp.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 Özdöğün A., AKCA G., ŞENEL S.
European Journal of Pharmaceutical Sciences, vol.124, pp.208-216, 2018 (SCI-Expanded)
- XV. **In vivo evaluation of chitosan based local delivery systems for atorvastatin in treatment of periodontitis.**
Özdöğün A., İlarıslan Y., Kösemehmetođlu K., Akca G., Kutlu H., Comerđov E., Iskit A. B., Şenel S.
International journal of pharmaceutics, vol.550, pp.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.
Research on Chemical Intermediates, vol.44, no.8, pp.4811-4825, 2018 (SCI-Expanded)
- 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, vol.41, no.3, pp.378-383, 2018 (SCI-Expanded)
- XVIII. **Orally disintegrating tablets, fast-dissolving, buccal and sublingual formulations**
ŞENEL S., Comoglu T.
Pharmaceutical Development and Technology, vol.23, no.5, pp.431, 2018 (SCI-Expanded)
- XIX. **Moxifloxacin Loaded Chitosan Gel Formulations for the Treatment of Periodontal Diseases**
AZERAN N., NTB Z., DOĐAN S. S., DOĐAN A., EKİZOĐLU M., RAVI S., KEMAL D., SAHU P., ŞENEL S.
Journal Of Polymer Materials, 2017 (SCI-Expanded)
- XX. **Moxifloxacin loaded chitosan gel formulations for the treatment of periodontal diseases**
Bintiazeran N. S., Diyanabintizazali N., Sedatimur S. S., Özdođun A. L., EKİZOĐLU M., Sheshala R., Dua K., Sahu P. S., ŞENEL S.
Journal of Polymer Materials, vol.34, no.1, pp.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, vol.91, 2016 (SCI-Expanded)
- XXII. **Meet our editorial board member**
Xu H.
Current Drug Delivery, vol.13, no.2, pp.171, 2016 (SCI-Expanded)
- XXIII. **Oral Mucosa for Delivery of Drugs, Allergens and Vaccines: Where are we Now?**
ŞENEL S.
CURRENT DRUG DELIVERY, vol.13, no.2, pp.172-174, 2016 (SCI-Expanded)
- XXIV. **Design and Development of Systemic Oral Mucosal Drug Delivery Systems**
Rathbone M. J., ŞENEL S., Pather I.
ORAL MUCOSAL DRUG DELIVERY AND THERAPY, pp.149-167, 2015 (SCI-Expanded)
- XXV. **Oral Mucosal Drug Delivery and Therapy Preface**

- Rathbone M. J., ŞENEL S., Pather I.
ORAL MUCOSAL DRUG DELIVERY AND THERAPY, 2015 (SCI-Expanded)
- XXVI. **Overview of Oral Mucosal Delivery**
Rathbone M. J., Pather I., ŞENEL S.
ORAL MUCOSAL DRUG DELIVERY AND THERAPY, pp.17-29, 2015 (SCI-Expanded)
- 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.
PHARMACEUTICAL DEVELOPMENT AND TECHNOLOGY, vol.19, no.2, pp.181-188, 2014 (SCI-Expanded)
- XXVIII. **Characterization of Protein and Peptide Binding to Nanogels Formed by Differently Charged Chitosan Derivatives**
Zubareva A., Ilyina A., Prokhorov A., Kurek D., Efremov M., Varlamov V., ŞENEL S., Ignatyev P., Svirshchevskaya E.
MOLECULES, vol.18, no.7, pp.7848-7864, 2013 (SCI-Expanded)
- 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.
EUROPEAN JOURNAL OF PHARMACEUTICAL SCIENCES, vol.48, pp.181-194, 2013 (SCI-Expanded)
- XXX. **Two percent chitosan mouthwash: A microbiological and clinical comparative study**
URAZ A., Boynuegri D., ÖZCAN G., Karaduman B., Uc D., ŞENEL S., Pehlivan S., ÖĞÜŞ E., Sultan N.
JOURNAL OF DENTAL SCIENCES, vol.7, no.4, pp.342-349, 2012 (SCI-Expanded)
- XXXI. **Recent developments in buccal and sublingual delivery systems**
ŞENEL S., Rathbone M. J., Cansiz M., Pather I.
EXPERT OPINION ON DRUG DELIVERY, vol.9, no.6, pp.615-628, 2012 (SCI-Expanded)
- XXXII. **Fundamentals of Vaccine Delivery in Infectious Diseases**
ŞENEL S.
FUNDAMENTALS AND APPLICATIONS OF CONTROLLED RELEASE DRUG DELIVERY, pp.517-532, 2012 (SCI-Expanded)
- XXXIII. **Chitosan-Based Particulate Systems for Non-Invasive Vaccine Delivery**
ŞENEL S.
CHITOSAN FOR BIOMATERIALS I, vol.243, pp.111-137, 2011 (SCI-Expanded)
- XXXIV. **Chitosan based delivery systems for mucosal immunization against bovine herpesvirus 1 (BHV-1)**
Gunbeyaz M., Faraji A., Ozkul A., PURALI N., ŞENEL S.
EUROPEAN JOURNAL OF PHARMACEUTICAL SCIENCES, vol.41, pp.531-545, 2010 (SCI-Expanded)
- 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.
JOURNAL OF ORAL IMPLANTOLOGY, vol.36, no.3, pp.175-184, 2010 (SCI-Expanded)
- XXXVI. **Potential applications of chitosan in oral mucosal delivery**
Senel S.
JOURNAL OF DRUG DELIVERY SCIENCE AND TECHNOLOGY, vol.20, no.1, pp.23-32, 2010 (SCI-Expanded)
- XXXVII. **TMC-MCC (N-trimethyl chitosan-mono-N-carboxymethyl chitosan) nanocomplexes for mucosal delivery of vaccines**
Sayin B., Somavarapu S., Li X. W., Sesardic D., ŞENEL S., Alpar O. H.
EUROPEAN JOURNAL OF PHARMACEUTICAL SCIENCES, vol.38, no.4, pp.362-369, 2009 (SCI-Expanded)
- XXXVIII. **PREPARATION OF A CHITOSAN-BASED FORMULATION FOR THE TREATMENT OF ORAL MUCOSAL DISORDERS**
Ozdemir A., AKCA G., Oner Z. G., Gunbeyaz M., ŞENEL S.
EUROPEAN JOURNAL OF PHARMACEUTICAL SCIENCES, vol.38, no.1, pp.106-108, 2009 (SCI-Expanded)
- XXXIX. **Clinical and Radiographic Evaluations of Chitosan Gel in Periodontal Intraosseous Defects: A Pilot Study**
Boynuegri D., ÖZCAN G., ŞENEL S., Uc D., URAZ A., ÖĞÜŞ E., Cakilci B., Karaduman B.
JOURNAL OF BIOMEDICAL MATERIALS RESEARCH PART B-APPLIED BIOMATERIALS, no.1, pp.461-466, 2009 (SCI-

Expanded)

- XL. **Chitosan-based systems for the delivery of vaccine antigens**
Arca H. C., Guenbeyaz M., ŞENEL S.
EXPERT REVIEW OF VACCINES, vol.8, no.7, pp.937-953, 2009 (SCI-Expanded)
- XLI. **Mono-N-carboxymethyl chitosan (MCC) and N-trimethyl chitosan (TMC) nanoparticles for non-invasive vaccine delivery**
Sayin B., Somavarapu S., Li X. W., Thanou M., Sesardic D., Alpar H. O., ŞENEL S.
INTERNATIONAL JOURNAL OF PHARMACEUTICS, vol.363, pp.139-148, 2008 (SCI-Expanded)
- XLII. **Current status and the future of buccal drug delivery systems**
Pather S. I., Rathbone M. J., ŞENEL S.
EXPERT OPINION ON DRUG DELIVERY, vol.5, no.5, pp.531-542, 2008 (SCI-Expanded)
- XLIII. **Application of chitosan gel in the treatment of chronic periodontitis**
Akincibay H., ŞENEL S., YETKİN AY Z.
JOURNAL OF BIOMEDICAL MATERIALS RESEARCH PART B-APPLIED BIOMATERIALS, no.2, pp.290-296, 2007 (SCI-Expanded)
- XLIV. **Development and in vitro/in vivo evaluations of bioadhesive buccal tablets for nicotine replacement therapy**
İkinci G., ŞENEL S., Tokgozoglu L., Wilson C., Sumnu M.
PHARMAZIE, vol.61, no.3, pp.203-207, 2006 (SCI-Expanded)
- XLV. **Potential applications of chitosan in veterinary medicine**
Senel S., McClure S.
ADVANCED DRUG DELIVERY REVIEWS, vol.56, no.10, pp.1467-1480, 2004 (SCI-Expanded)
- XLVI. **Development of a buccal bioadhesive nicotine tablet formulation for smoking cessation**
İkinci G., ŞENEL S., Wilson C., Sumnu M.
INTERNATIONAL JOURNAL OF PHARMACEUTICS, vol.277, pp.173-178, 2004 (SCI-Expanded)
- XLVII. **Chitosan supports the initial attachment and spreading of osteoblasts preferentially over fibroblasts**
Fakhry A., Schneider G., Zaharias R., Senel S.
BIOMATERIALS, vol.25, no.11, pp.2075-2079, 2004 (SCI-Expanded)
- XLVIII. **The release of model macromolecules may be controlled by the hydrophobicity of palmitoyl glycol chitosan hydrogels**
Martin L., Wilson C., Koosha F., Tetley L., Gray A., Senel S., Uchegbu I.
JOURNAL OF CONTROLLED RELEASE, vol.80, pp.87-100, 2002 (SCI-Expanded)
- XLIX. **Effect of chitosan on a periodontal pathogen Porphyromonas gingivalis**
İkinci G., Senel S., Akincibay H., Kas S., Ercis S., Wilson C., Hincal A.
INTERNATIONAL JOURNAL OF PHARMACEUTICS, vol.235, pp.121-127, 2002 (SCI-Expanded)
- L. **Drug permeation enhancement via buccal route: possibilities and limitations**
Senel S., Hincal A.
JOURNAL OF CONTROLLED RELEASE, vol.72, pp.133-144, 2001 (SCI-Expanded)
- LI. **The effect of calcitonin on osseous healing in guinea pig mandible**
Dogan H. S., Ozcelik B., Gedikoglu G., Senel S.
JOURNAL OF ENDODONTICS, vol.27, no.3, pp.160-163, 2001 (SCI-Expanded)
- LII. **Enhancing effect of chitosan on peptide drug delivery across buccal mucosa**
Senel S., Kremer M., Kas S., Wertz P., Hincal A., Squier C.
BIOMATERIALS, vol.21, no.20, pp.2067-2071, 2000 (SCI-Expanded)
- LIII. **Chitosan films and hydrogels of chlorhexidine gluconate for oral mucosal delivery**
Senel S., İkinci G., Kas S., Yousefi-Rad A., Sargon M. F., Hincal A.
INTERNATIONAL JOURNAL OF PHARMACEUTICS, vol.193, no.2, pp.197-203, 2000 (SCI-Expanded)
- LIV. **In vitro/in vivo studies on a buccal bioadhesive tablet formulation of carbamazepine**
İKİNCİ G., ÇAPAN Y., ŞENEL S., Alaaddinoglu E., DALKARA T., Hincal A.
Pharmazie, vol.55, no.10, pp.762-765, 2000 (SCI-Expanded)
- LV. **Formulation and in vitro in vivo investigation of carbamazepine controlled-release matrix tablets**

Ikinci G., Capan Y., Senel S., Dalkara T., Hincal A.

PHARMAZIE, vol.54, no.2, pp.139-141, 1999 (SCI-Expanded)

- LVI. **Histological and bioadhesion studies on buccal bioadhesive tablets containing a penetration enhancer sodium glycodeoxycholate**
Senel S., Capan Y., Sargon M. F., Giray C. B., Hincal A.
INTERNATIONAL JOURNAL OF PHARMACEUTICS, vol.170, no.2, pp.239-245, 1998 (SCI-Expanded)
- LVII. **In vitro studies on enhancing effect of sodium glycocholate on transbuccal permeation of morphine hydrochloride**
Senel S., Duchene D., Hincal A., Capan Y., Ponchel G.
JOURNAL OF CONTROLLED RELEASE, vol.51, pp.107-113, 1998 (SCI-Expanded)
- LVIII. **Enhancement of transbuccal permeation of morphine sulfate by sodium glycodeoxycholate in vitro**
Senel S., Capan Y., Sargon M. F., Ikinci G., Solpan D., Guven O., Bodde H., Hincal A.
JOURNAL OF CONTROLLED RELEASE, vol.45, no.2, pp.153-162, 1997 (SCI-Expanded)
- LIX. **FORMULATION AND INVITRO - INVIVO EVALUATIONS ON SUSTAINED-RELEASE ACETYLSALICYLIC-ACID TABLETS**
CAPAN Y., ŞENEL S., CALIS S., TAKKA S., HINCAL A.
PHARMAZEUTISCHE INDUSTRIE, vol.51, no.4, pp.443-448, 1989 (SCI-Expanded)

Articles Published in Other Journals

- 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**
Çobanoğlu E., ŞENEL S.
Hacettepe University Journal of the Faculty of Pharmacy, vol.43, no.1, pp.78-98, 2023 (Scopus)
- II. **Formulation, Bioavailability, and Pharmacokinetics of Sustained-Release Potassium Chloride Tablets**
ŞENEL S., ÇAPAN Y., DALKARA T., İnanç N., Hincal A. A.
Pharmaceutical Research: An Official Journal of the American Association of Pharmaceutical Scientists, vol.8, no.10, pp.1313-1317, 1991 (Scopus)

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. **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, Slovenia, 15 - 17 September 2022, pp.113-114
- III. **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
- IV. **Preparation and characterisation of chitosan/silver nanowires scaffolds for tissue engineering applications**
Aydın D., AKSOY E. A., DOĞANAY D., ÜNALAN H. E., ŞENEL S.

19th International Pharmaceutical Technology Symposium-IPTS-2018, 17 - 19 September 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, Spain, 21 - 24 July 2019, pp.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.
EUFEPS Annual Meeting 2019, Frankfurt, Germany, 6 - 08 March 2019, pp.1
- VII. **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.
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- VIII. **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
- IX. **Micro and nano systems to enhance the immune responses**
ŞENEL S.
14th International Chitin and Chitosan Conference and 12th Asia-Pacific Chitin and Chitosan Symposium, 27 - 30 August 2018
- X. **Chitosan based bioadhesive film and wafer formulations for local delivery of antibiotics into oral cavity**
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The 14th International Chitin and Chitosan Conference (14th ICC) & 12th Asia-Pacific Chitin and Chitosan Symposium , Osaka, Japan, 27 - 30 August 2018
- XI. **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
- XII. **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
- 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**
ŞENEL S., Hizmetli S., Gafvelin G., Zettergren L., Langebaeck J., Franzen H., Haellgren A., Andersson M.
30th Congress of the European-Academy-of-Allergy-and-Clinical-Immunology (EAACI), İstanbul, Turkey, 11 - 15 June 2011, vol.66, pp.724
- XV. **Comparative statistical analysis of ex vivo permeation and antifungal. Activity studies of Terbinafine hydrochloride chitosan gels**
Ozcan I., Aksu B., Abaci O., BOYACIOĞLU H., Haliki A., ŞENEL S., Ozer O., Guneri T.
2nd BBBB Conference on Pharmaceutical Sciences, Tallinn-Tartu, Estonia, 13 - 15 September 2007, vol.32
- XVI. **Oxytetracycline hydrochloride incorporated gel and sponges Formulation and preliminary in Vivo studies**
KORKUSUZ P., BİLGİLİ H., ŞENEL S.
Controlled Release Society, 31st Annual Meeting Exposition, 12 June 2004 - 16 June 2006
- XVII. **Chitosan and alginate scaffolds for tissue regeneration**
KORKUSUZ P., BİLGİLİ H., ŞENEL S.

EUCHIS 6th International Conference of the European Chitin Society, 31 August - 03 September 2004

XVIII. Kemik defektlerinin tedavisinde oksitetrasiklin hidroklorür yüklü kitosan taşıyıcı sistemlerin kullanılması

KORKUSUZ P., BİLGİLİ H., ŞENEL S.

VII. Ulusal Histoloji ve Embriyoloji Kongresi, Turkey, 18 - 21 May 2004

Supported Projects

ŞENEL S., Industrial Thesis Project, Yerli aşı geliştirme ve analiz çalışmaları, 2015 - Continues

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Metrics

Publication: 86

Citation (WoS): 2169

Citation (Scopus): 1903

H-Index (WoS): 23

H-Index (Scopus): 18

Non Academic Experience

YÜKSEKÖĞRETİM KALİTE KURULU BAŞKANLIĞI

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TÜBİTAK