

## Assoc. Prof. SİNEM YAPRAK KARAVANA

### Personal Information

**Birthyear:** 1976

**Place of birth:** Manisa

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### Education Information

Doctorate, Ege Üniversitesi, Eczacılık Fakültesi, Eczacılık Teknolojisi Bölümü, Turkey 2000 - 2007

Post Graduate, Ege Üniversitesi, Sağlık Bilimleri Enstitüsü, Farmasötik Teknoloji (YI), Turkey 1997 - 2000

Under Graduate, Ege Üniversitesi, Eczacılık Fakültesi, Eczacılık Pr., Turkey 1992 - 1997

### Foreign Languages

English, C1 Advanced

### Research Areas

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

### Academic Titles / Tasks

Assistant Professor, Ege Üniversitesi, Eczacılık Fakültesi, Eczacılık Teknolojisi Bölümü, 2009 - Continues

Research Assistant, Ege Üniversitesi, Eczacılık Fakültesi, Eczacılık Teknolojisi Bölümü, 1999 - 2009

### Advising Theses

KARAVANA S. Y. , Oral mukozada görülen mantar enfeksiyonlarının lokal tedavisi için yeni biyoadeziv dozaj şekillerinin geliştirilmesi ve in vitro/in vivo olarak değerlendirilmesi, Doctorate, S.RENÇBER(Student), 2014

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

- I. **Development of textile-based sodium alginate and chitosan hydrogel dressings**  
TÜRKOĞLU G. C. , SARIŞIK A. M. , KARAVANA S. Y.  
INTERNATIONAL JOURNAL OF POLYMERIC MATERIALS AND POLYMERIC BIOMATERIALS, 2020 (Journal Indexed in SCI)
- II. **Design of Leather Footwear for Diabetics Containing Chlorhexidine Digluconate Microparticles**  
Yalcin F, KARAVANA H. A. , Rencher S, KARAVANA S. Y.

JOURNAL OF THE AMERICAN LEATHER CHEMISTS ASSOCIATION, vol.115, pp.79-86, 2020 (Journal Indexed in SCI)

- III. **Dexamethasone-loaded PLGA-nanoparticles for potential local treatment of oral precancerous lesions**  
Rençber S., Aydın Köse F., Karavana S. Y.  
Pharmaceutical Development And Technology, pp.1-34, 2019 (Journal Indexed in SCI)
- IV. **PREPARATION AND CHARACTERIZATION OF ALGINATE AND CHITOSAN IPC BASED GEL FORMULATION FOR MUCOSAL APPLICATION**  
Rençber S., Cheaburu-Yılmaz C. N., Kose F., Karavana S. Y., Yılmaz O.  
CELLULOSE CHEMISTRY AND TECHNOLOGY, vol.53, pp.655-665, 2019 (Journal Indexed in SCI)
- V. **Formulation and evaluation of fluconazole loaded oral strips for local treatment of oral candidiasis**  
Rençber S., Karavana S. Y., Yılmaz F. F., Eraç B., Nenni M., Gürer Orhan H., Limoncu M., Güneri P., Ertan G.  
JOURNAL OF DRUG DELIVERY SCIENCE AND TECHNOLOGY, vol.49, pp.615-621, 2019 (Journal Indexed in SCI)
- VI. **Key Parameters of Development of A Generic Semi-Solid Product**  
Rençber S., Karavana S. Y., Yengin Ç., Baloğlu E., Özer K. Ö.  
LATIN AMERICAN JOURNAL OF PHARMACY, vol.38, pp.523-530, 2019 (Journal Indexed in SCI)
- VII. **Gemcitabine hydrochloride microspheres used for intravesical treatment of superficial bladder cancer: a comprehensive in vitro/ex vivo/in vivo evaluation**  
Karavana S. Y., Senyigit Z. A., Çalışkan Ç., Sevin G., Ozdemir D. I., Erzurumlu Y., Şen S., Baloğlu E.  
DRUG DESIGN DEVELOPMENT AND THERAPY, vol.12, pp.1959-1975, 2018 (Journal Indexed in SCI)
- VIII. **Gemcitabine hydrochloride microspheres used for intravesical treatment of superficial bladder cancer: a comprehensive in vitro/ex vivo/in vivo evaluation**  
KARAVANA S. Y., ŞENYİĞİT Z., ÇALIŞKAN Ç., SEVİN G., İLEM ÖZDEMİR D., ERZURUMLU Y., ŞEN S., BALOĞLU E.  
Drug Design Development and Therapy, vol.12, pp.1959-1975, 2018 (Journal Indexed in SCI Expanded)
- IX. **Functionalized Chitosan for Pharmaceutical Applications**  
YILMAZ C. N. C., KARAVANA S. Y., YILMAZ O.  
Current Organic Synthesis, vol.14, pp.785-797, 2017 (Journal Indexed in SCI Expanded)
- X. **Mucoadhesive in situ gel formulation for vaginal delivery of clotrimazole: formulation, preparation, and in vitro/in vivo evaluation**  
Rençber S., Karavana S. Y., Senyigit Z. A., Erac B., Limoncu M. H., Baloglu E.  
PHARMACEUTICAL DEVELOPMENT AND TECHNOLOGY, vol.22, pp.551-561, 2017 (Journal Indexed in SCI)
- XI. **Preparation and characterization of textile-based carrier systems for anal fissure treatment**  
Sariisik A. M., Karavana S. Y., Turkoglu G. C., Rençber S., Onder T.  
JOURNAL OF MICROENCAPSULATION, vol.34, pp.722-731, 2017 (Journal Indexed in SCI)
- XII. **Radiolabeling and cell incorporation studies of gemcitabine HCl microspheres on bladder cancer and papilloma cell line**  
İLEM ÖZDEMİR D., KARAVANA S. Y., ŞENYİĞİT Z., ÇALIŞKAN Ç., EKİNCİ M., AŞIKOĞLU M., BALOĞLU E.  
JOURNAL OF RADIOANALYTICAL AND NUCLEAR CHEMISTRY, vol.310, pp.515-522, 2016 (Journal Indexed in SCI)
- XIII. **Development, characterization, and in vivo assessment of mucoadhesive nanoparticles containing fluconazole for the local treatment of oral candidiasis**  
Rençber S., Karavana S. Y., Yılmaz F. F., Erac B., Nenni M., Ozbal S., Pekcetin C., Gurer-Orhan H., Hosgor-Limoncu M., Guneri P., et al.  
INTERNATIONAL JOURNAL OF NANOMEDICINE, vol.11, pp.2641-2653, 2016 (Journal Indexed in SCI)
- XIV. **Design and evaluation of an intravesical delivery system for superficial bladder cancer: preparation of gemcitabine HCl-loaded chitosan-thioglycolic acid nanoparticles and comparison of chitosan/poloxamer gels as carriers**  
SENYIGIT Z. A., KARAVANA S. Y., İLEM-ÖZDEMİR D., ÇALIŞKAN Ç., WALDNER C., ŞEN S., BERNKOP-SCHNURCH A., BALOĞLU E.  
INTERNATIONAL JOURNAL OF NANOMEDICINE, vol.10, 2015 (Journal Indexed in SCI)
- XV. **Evaluation of chitosan based vaginal bioadhesive gel formulations for antifungal drugs**  
Senyigit Z. A., Karavana S. Y., Erac B., Gursel O., Limoncu M. H., Baloglu E.  
ACTA PHARMACEUTICA, vol.64, pp.139-156, 2014 (Journal Indexed in SCI)

- XVI. **Transdermal Delivery of Meloxicam Proniosomes from Hydrogels**  
ALĞIN YAPAR e., İNAL Ö., TUNCAY TANRIVERDİ S., KARAVANA S. Y.  
LATIN AMERICAN JOURNAL OF PHARMACY, vol.33, pp.476-482, 2014 (Journal Indexed in SCI)
- XVII. **Preparation of naproxen-ethyl cellulose microparticles by spray-drying technique and their application to textile materials**  
ARICI M., Topbas O., KARAVANA S. Y. , ERTAN G., Sariisik M., ÖZTÜRK C.  
JOURNAL OF MICROENCAPSULATION, vol.31, pp.654-666, 2014 (Journal Indexed in SCI)
- XVIII. **Design of orthopedic support material containing diclofenac sodium microparticles: preparation and characterization of microparticles and application to orthopedic support material**  
Sariisik M., ARICI M., Topbas O., KARAVANA S. Y. , ÖZTÜRK C., ERTAN G.  
TEXTILE RESEARCH JOURNAL, vol.83, pp.1030-1043, 2013 (Journal Indexed in SCI)
- XIX. **Topical Dimethylsulfoxide: Successful Treatment of a Case of Localized Cutaneous Mucinosis**  
Turk B. G. , TÜRKMEN M., Ertam I., KARAVANA S. Y. , DERELİ T.  
TURKDERM-ARCHIVES OF THE TURKISH DERMATOLOGY AND VENEROLOGY, vol.46, pp.53-54, 2012 (Journal Indexed in SCI)
- XX. **A new approach to the treatment of recurrent aphthous stomatitis with bioadhesive gels containing cyclosporine A solid lipid nanoparticles: in vivo/in vitro examinations**  
Karavana S. Y. , Gökçe E. H. , Rençber S., Ozbal S., Pekcetin C., Güneri P., Ertan G.  
INTERNATIONAL JOURNAL OF NANOMEDICINE, vol.7, pp.5693-5704, 2012 (Journal Indexed in SCI)
- XXI. **Rheological and mechanical properties of poloxamer mixtures as a mucoadhesive gel base**  
Baloglu E., Karavana S. Y. , Senyigit Z. A. , Guneri T.  
PHARMACEUTICAL DEVELOPMENT AND TECHNOLOGY, vol.16, pp.627-636, 2011 (Journal Indexed in SCI)
- XXII. **In-situ gel formulations of econazole nitrate: preparation and in-vitro and in-vivo evaluation**  
Baloglu E., Karavana S. Y. , Senyigit Z. A. , Hilmioglu-Polat S., Metin D. Y. , Zekioglu O., Guneri T., JONES D. S.  
JOURNAL OF PHARMACY AND PHARMACOLOGY, vol.63, pp.1274-1282, 2011 (Journal Indexed in SCI)
- XXIII. **In Vitro Evaluation of Mucoadhesive Vaginal Tablets of Antifungal Drugs Prepared with Thiolated Polymer and Development of a New Dissolution Technique for Vaginal Formulations**  
Baloglu E., Senyigit Z. A. , Karavana S. Y. , VETTER A., Metin D. Y. , Polat S. H. , Guneri T., BERNKOP-SCHNURCH A.  
CHEMICAL & PHARMACEUTICAL BULLETIN, vol.59, pp.952-958, 2011 (Journal Indexed in SCI)
- XXIV. **Design and Formulation of Mebeverine HCl Semisolid Formulations for Intraorally Administration**  
BALOĞLU E., KARAVANA S. Y. , Hyusein I. Y. , Koese T.  
AAPS PHARMSCITECH, vol.11, pp.181-188, 2010 (Journal Indexed in SCI)
- XXV. **A Comparative Dissolution and Histological Study of Various Vaginal Formulations Containing Ornidazole**  
KARAVANA S. Y. , GÖKÇE E. H. , ÖZYAZICI M., BALOĞLU E., PEKÇETİN C., OZYURT D., ERTAN G., GUNERİ T.  
ACTA PHARMACEUTICA, vol.52, pp.52-55, 2009 (Journal Indexed in SCI Expanded)
- XXVI. **Benzydamine hydrochloride buccal bioadhesive gels designed for oral ulcers: preparation, rheological, textural, mucoadhesive and release properties.**  
KARAVANA S. Y. , Güneri P., ERTAN G.  
Pharmaceutical development and technology, vol.14, pp.623-31, 2009 (Journal Indexed in SCI)
- XXVII. **Bioadhesive controlled release systems of ornidazole for vaginal delivery**  
Baloglu E., Oezyazici M., HIZARCIOGLU S. Y. , SENYİT T., OEZYURT D., PEKÇETİN C.  
PHARMACEUTICAL DEVELOPMENT AND TECHNOLOGY, vol.11, pp.477-484, 2006 (Journal Indexed in SCI)
- XXVIII. **An alternative evaluation method for swelling studies of bioadhesive tablet formulations**  
Baloglu E., HIZARCIOGLU S., KARAVANA H. A.  
PHARMACEUTICAL DEVELOPMENT AND TECHNOLOGY, vol.9, pp.233-237, 2004 (Journal Indexed in SCI)
- XXIX. **An in vitro investigation for vaginal bioadhesive formulations: bioadhesive properties and swelling states of polymer mixtures.**  
BALOĞLU E., ÖZYAZICI M., Hizarcioğlu S., Karavana H.  
Farmaco (Societa chimica italiana : 1989), vol.58, pp.391-6, 2003 (Journal Indexed in SCI Expanded)

## Articles Published in Other Journals

- I. **Formulation and optimization of gellan gum-poloxamer based dexamethasone mucoadhesive in situ gel**  
Rençber S., KARAVANA S. Y.  
JOURNAL OF RESEARCH IN PHARMACY, vol.24, pp.529-538, 2020 (Journal Indexed in ESCI)
- II. **Development and in vitro Evaluation of Voriconazole Nanoparticle Formulation for Mucosal Application**  
Rençber S., Karavana S. Y.  
TURKISH JOURNAL OF PHARMACEUTICAL SCIENCES, vol.15, pp.142-148, 2018 (Journal Indexed in ESCI)
- III. **pediatrik dozaj formlarına genel bakış**  
akanoglu b., KARAVANA S. Y. , alğın yapar e.  
Türk Farmakope Dergisi, vol.3, pp.106-118, 2018 (Other Refereed National Journals)
- IV. **Grafted Copolymer Based on Chitosan and Poly(N-Isopropylacryl Amide) via Click Technique. I. Synthesis and Characterization**  
YILMAZ C. N. C. , KARAVANA S. Y. , YILMAZ O.  
WSEAS Transactions on Biology and Biomedicine, vol.2017, pp.120-128, 2017 (Refereed Journals of Other Institutions)
- V. **Bioadhesive Gel and Hydrogel Systems for Buccal Delivery of Ketoprofen Preparation and In Vitro Evaluation Studies**  
ÖZYAZICI M., FIRLAK M., TUNCAY TANRIVERDİ S., RENÇBER S., KARAVANA S. Y. , KAHRAMAN M. V.  
American Journal of Drug Delivery and Therapeutics, vol.2, pp.78-91, 2015 (Refereed Journals of Other Institutions)
- VI. **A New in Situ Gel Formulation of Itraconazole for Vaginal Administration**  
Karavana S. Y. , Rençber S., Şenyiğit Z., Baloğlu E.  
Pharmacology & Pharmacy, vol.3, pp.417-426, 2012 (Refereed Journals of Other Institutions)
- VII. **Bioadhesive and mechanical properties of triamcinolone acetone buccal gels**  
AMASYA G., KARAVANA S. Y. , ŞEN A. T. , BALOĞLU E., TARIMCI M. N.  
Turkish Journal of Pharmaceutical Sciences, vol.9, pp.1-11, 2012 (Other Refereed National Journals)
- VIII. **A new in situ gel formulation of itraconazole for vaginal application**  
KARAVANA S. Y. , RENÇBER S., ŞENYİĞİT Z., BALOĞLU E.  
pharmacology&pharmacy, vol.3, pp.417-426, 2012 (Refereed Journals of Other Institutions)
- IX. **The Promising Emulsion Formulations of Ostrich Oil Produced From Pre-fleshing Wastes of Ostrich Skin**  
KARAVANA H. A. , KARAVANA S. Y. , TUNCAY TANRIVERDİ S., ASLAN A., ÖZER K. Ö.  
Asian Chemistry Letters, vol.16, pp.31-36, 2011 (Refereed Journals of Other Institutions)
- X. **The Promising Emulsion Formulations of Ostrich Oil Produced from Pre fleshing Wastes of Ostrich Skin**  
KARAVANA H. A. , KARAVANA S. Y. , TUNCAY TANRIVERDİ S., ASLAN A., ÖZER K. Ö.  
Asian Chemistry Letters, vol.16, pp.31-36, 2011 (Refereed Journals of Other Institutions)
- XI. **Dissolution and histological studies on Ornidazole vaginalformulations**  
KARAVANA S. Y. , Gokce E. H. , ÖZYAZICI M., BALOĞLU E., HÜSNİYE S., PEKÇETİN Ç., DOĞAN Ö., ERTAN G., TAMER G.  
Acta Pharmaceutica Scientia, 2010 (Other Refereed National Journals)
- XII. **Bioavailability File Ketoprofen**  
RENÇBER S., KARAVANA S. Y. , ÖZYAZICI M.  
FABAD Journal of Pharmaceutical Sciences, vol.34, pp.203-216, 2010 (Refereed Journals of Other Institutions)
- XIII. **Ağız İçi Nemlendirici Olan İki Jelin ORALBALANCE VE BIOXTRA Viskozite Özelliklerinin Değerlendirilmesi**  
Alpöz E., Karavana S. Y. , Güneri P., Baloğlu E., Boyacıoğlu H.  
Atatürk Üniv. Dış Hek. Fak. Dergisi, vol.17, pp.29-34, 2007 (Other Refereed National Journals)
- XIV. **Bioavailability File Ornidazole**

KARAVANA S. Y. , ŞENYİĞİT Z., ÖZYAZICI M.

FABAD Journal of Pharmaceutical Sciences, vol.29, pp.133-144, 2004 (Other Refereed National Journals)

XV. **Bioavailability File Ornidazole Biyoyararlanım Dosyası Ornidazol**

KARAVANA S. Y. , ŞENYİĞİT Z., ÖZYAZICI M.

FABAD Journal of Pharmaceutical Sciences, vol.29, pp.133-144, 2004 (Refereed Journals of Other Institutions)

XVI. **Formulation and in vitro release studies of lipid matrix tablets of tolmetin sodium prepared with hydrogenated castor oil**

BALOĞLU E., ÖZER K. Ö. , ÖZYAZICI M., KARAVANA S. Y. , TAMER G.

Acta Pharmaceutica Turcica, vol.43, pp.59-64, 2001 (Refereed Journals of Other Institutions)

## Books & Book Chapters

I. **Farmasötik Teknoloji IV**

ÖZER K. Ö. , KARASULU H. Y. , KIRILMAZ L., BALOĞLU E., SEVGİ F., KARASULU E., ÖZGÜNEY I., ÖZYAZICI M., KARAVANA S. Y. , GÖKÇE E. H. , et al.

Ege Üniversitesi Basım Evi, 2018

II. **Farmasötik Teknoloji II**

ÖZER K. Ö. , BALOĞLU E., KIRILMAZ L., KARASULU H. Y. , SEVGİ F., ÖZGÜNEY I., ÖZYAZICI M., KARAVANA S. Y. , GÖKÇE E. H. , ÇETİN UYANIKGİL E. Ö. , et al.

Ege Üniversitesi Basım Evi, İzmir, 2018

III. **Farmasötik Teknoloji IV Ders Teksiri**

ÖZER K. Ö. , KARASULU H. Y. , KIRILMAZ L., BALOĞLU E., SEVGİ F., KARASULU E., ÖZGÜNEY I., ÖZYAZICI M., KARAVANA S. Y. , GÖKÇE E. H. , et al.

Ege Üniversitesi Basımevi, İzmir, 2018

IV. **Farmasötik Teknoloji II Ders teksiri**

ÖZER K. Ö. , BALOĞLU E., KIRILMAZ L., KARASULU H. Y. , SEVGİ F., ÖZGÜNEY I., ÖZYAZICI M., KARAVANA S. Y. , GÖKÇE E. H. , ÇETİN UYANIKGİL E. Ö. , et al.

Ege Üniversitesi Basımevi, İzmir, 2018

V. **Majistral Ürünler**

ÖZKAN Y., AYDIN A., BEŞİKCİ A., SAVAŞER A., KARATAŞ A., ARICA YEGİN B., USLU B., SEVER YILMAZ B., PALASKA E., SALTAN H. G. , et al.

in: Türk Farmakopesi 2017, , Editor, T.C. Sağlık Bakanlığı Türkiye İlaç ve Tıbbi Cihaz Kurumu Artı 6 Reklam Matbaa Ltd. Şti., 2018

VI. **Farmasötik Teknoloji III**

ÖZER K. Ö. , ÖZYAZICI M., KIRILMAZ L., BALOĞLU E., KARASULU H. Y. , SEVGİ F., KARASULU E., ÖZGÜNEY I., KARAVANA S. Y. , GÖKÇE E. H. , et al.

Ege Üniversitesi Yayınları, 2017

VII. **Farmasötik Teknoloji I**

ÖZER K. Ö. , ÖZGÜNEY I., KIRILMAZ L., BALOĞLU E., KARASULU H. Y. , SEVGİ F., KARASULU E., ÖZYAZICI M., KARAVANA S. Y. , GÖKÇE E. H. , et al.

Ege Üniversitesi Basımevi, İzmir, 2017

VIII. **Farmasötik Teknoloji I-II-III-IV Pratik El Kitabı**

KIRILMAZ L., ÖZER K. Ö. , BALOĞLU E., KARASULU H. Y. , SEVGİ F., KARASULU E., ÖZGÜNEY I., ÖZYAZICI M., KARAVANA S. Y. , GÖKÇE E. H. , et al.

Ege Üniversitesi Basımevi, İzmir, 2017

IX. **Farmasötik Teknoloji I**

ÖZER K. Ö. , ÖZGÜNEY I., KIRILMAZ L., BALOĞLU E., KARASULU H. Y. , SEVGİ F., KARASULU E., ÖZYAZICI M., KARAVANA S. Y. , GÖKÇE E. H. , et al.

Ege Üniversitesi Basımevi, İzmir, 2017

X. **Farmasötik Teknoloji I**

ÖZER K. Ö. , ÖZGÜNEY I., KIRILMAZ L., BALOĞLU E., KARASULU H. Y. , SEVGİ F., KARASULU E., ÖZYAZICI M., KARAVANA S. Y. , GÖKÇE E. H. , et al.  
Ege Üniversitesi Basımevi, İzmir, 2017

- XI. **Farmasötik Teknoloji Pratik El Kitabı I-II-III-IV**  
KIRILMAZ L., ÖZER K. Ö. , BALOĞLU E., KARASULU H. Y. , SEVGİ F., KARASULU E., ÖZYAZICI M., KARAVANA S. Y. , GÖKÇE E. H. , ÇETİN UYANIKGİL E. Ö. , et al.  
Ege Üniversitesi Basımevi, İzmir, 2017
- XII. **Farmasötik Teknoloji I**  
ERTAN G., KIRILMAZ L., ÖZER K. Ö. , BALOĞLU E., KARASULU H. Y. , SEVGİ F., KARASULU E., ÖZGÜNEY I., ÖZYAZICI M., KARAVANA S. Y. , et al.  
EGE ÜNİVERSİTESİ BASİMEVİ, İzmir, 2016
- XIII. **FARMASÖTİK TEKNOLOJİ I**  
ERTAN G., KIRILMAZ L., ÖZER K. Ö. , BALOĞLU E., KARASULU H. Y. , SEVGİ F., KARASULU E., ÖZGÜNEY I., ÖZYAZICI M., KARAVANA S. Y. , et al.  
EGE ÜNİVERSİTESİ BASİM EVİ, İzmir, 2015
- XIV. **FARMASÖTİK TEKNOLOJİ IV**  
ERTAN G., KIRILMAZ L., ÖZER K. Ö. , BALOĞLU E., KARASULU H. Y. , SEVGİ F., KARASULU E., ÖZGÜNEY I., ÖZYAZICI M., KARAVANA S. Y. , et al.  
EGE ÜNİVERSİTESİ BASİM EVİ, İzmir, 2015
- XV. **FARMASÖTİK TEKNOLOJİ III**  
ERTAN G., KIRILMAZ L., ÖZER K. Ö. , BALOĞLU E., KARASULU H. Y. , SEVGİ F., KARASULU E., ÖZGÜNEY I., ÖZYAZICI M., KARAVANA S. Y. , et al.  
EGE ÜNİVERSİTESİ BASİM EVİ, İzmir, 2015
- XVI. **Farmasötik Teknoloji II Ders Kitabı**  
ERTAN g., KIRILMAZ L., ÖZER K. Ö. , BALOĞLU E., KARASULU H. Y. , SEVGİ F., KARASULU E., ÖZGÜNEY I., ÖZYAZICI M., KARAVANA S. Y. , et al.  
Ege Üniversitesi Basımevi, 2015
- XVII. **FARMASÖTİK TEKNOLOJİ II**  
ERTAN G., KIRILMAZ L., ÖZER K. Ö. , BALOĞLU E., KARASULU H. Y. , SEVGİ F., KARASULU E., ÖZGÜNEY I., ÖZYAZICI M., KARAVANA S. Y. , et al.  
EGE ÜNİVERSİTESİ BASİM EVİ, İzmir, 2015
- XVIII. **Kozmetoloji**  
ÖZER K. Ö. , KARAVANA S. Y. , GÖKÇE E. H. , EROĞLU İ., YURDASİPER A., ŞENYİĞİT Z., TUNCAY TANRIVERDİ S., ÜSTÜNDAĞ OKUR N., RENÇBER S., AZİZOĞLU E., et al.  
ege üniversitesi yayın evi, İzmir, 2015
- XIX. **Farmasötik Teknoloji Pratik El Kitabı I II III IV**  
ERTAN G., KIRILMAZ L., ÖZER K. Ö. , BALOĞLU E., KARASULU H. Y. , SEVGİ F., KARASULU E., ÖZGÜNEY I., ÖZYAZICI M., KARAVANA S. Y. , et al.  
Ege Üniversitesi Basımevi, 2014
- XX. **Nanotechnology for mucoadhesive delivery**  
KARAVANA S. Y. , ŞENYİĞİT Z., BERNKOP SCHNURCH A., BALOĞLU E.  
in: Nanotechnology in Progress Pharmaceutical Applications, Taner Şenyiğit, İpek Özcan, Özgen Özer, Editor, Research Signpost, 2012

## **Refereed Congress / Symposium Publications in Proceedings**

- I. **Design of A Plaster Containing Benzoyl Peroxide Loaded Microsponges to Support Acne Treatment**  
Atabay N., Sarıışık A. M. , Karavana S. Y. , Rençber S.  
2nd International Congress of Innovative Textiles, Tekirdağ, Turkey, 17 April 2019, pp.366-372
- II. **Development of In Situ Gel Formulations Containing Dexamethasone for Oral Cancer**

## **Chemoprevention**

Rençber S., Karavana S. Y.

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- III. **Designing textile based sodium alginate dressings with super absorbent polymers**  
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