

Prof. MURAT ŐEN

Personal Information

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Education Information

Doctorate, Hacettepe Üniversitesi, Fen Bilimleri Enstitüsü, Kimya Abd, Turkey 1988 - 1993

Postgraduate, Hacettepe Üniversitesi, Fen Bilimleri Enstitüsü, Kimya Abd, Turkey 1985 - 1988

Undergraduate, Hacettepe Üniversitesi, Mühendislik Fakültesi, Kimya Bölümü, Turkey 1980 - 1985

Foreign Languages

English, B2 Upper Intermediate

Research Areas

Material science and engineering, Composites, Polymeric Materials, Nanomaterials, Cellulosic Materials, Chemistry, Physical Chemistry, Conductive Polymers, Characterization of Polymers, New Technologies in Polymer Chemistry, Polymeric Adsorbents, Polymeric Materials, Medical Applications of Polymers, Recycling of Polymers, Cellulose and its Derivatives, High Performance Polymers, Natural Sciences, Engineering and Technology

Academic Titles / Tasks

Professor, Hacettepe University, Fen Fakültesi, Kimya Bölümü, 2007 - Continues

Associate Professor, Hacettepe University, Fen Fakültesi, Kimya Bölümü, 2002 - 2007

Assistant Professor, Hacettepe University, Fen Fakültesi, Kimya Bölümü, 1996 - 2002

Research Assistant, Hacettepe University, Fen Fakültesi, Kimya Bölümü, 1985 - 1996

Academic and Administrative Experience

Hacettepe Üniversitesi, Fen Bilimleri Enstitüsü, Polimer Bilimi Ve Teknolojisi (YI) (Tezli), 2014 - Continues

Hacettepe Üniversitesi, Fen Fakültesi, Kimya Bölümü, 2009 - 2018

Hacettepe Üniversitesi, Fen Fakültesi, 2014 - 2015

Courses

Polimerlerin Karakterizasyonu ve Analizi, Postgraduate, 2017 - 2018

Polimer Karakterizasyon Laboratuvarı, Postgraduate, 2017 - 2018

Advising Theses

- Şen M., Doğal kauçuk esash atık lateks eldiven ve poli(etilen-ko-vinil asetat) kullanılarak yeni termoplastik elastomer kompozitlerin hazırlanması ve sönümlenme özelliklerinin incelenmesi, Postgraduate, S.AHİ(Student), 2019
- Şen M., EPDM elastomerlerinin gerilme durulma davranışlarını kontrol eden parametrelerin belirlenmesi, Postgraduate, S.CANAN(Student), 2019
- Şen M., Silikon sünger kauçuğun hazırlanması için optimum proses koşullarının belirlenmesi, Postgraduate, E.EREFİ(Student), 2018
- Şen M., Silikon elastomerlerin durulma özelliklerini kontrol eden parametrelerin belirlenmesi, Postgraduate, M.PARLAK(Student), 2018
- Şen M., Dİ (2-Etilhekzil) fitalat baskılı polimerlerin PE/PP dokumasız kumaşlara iyonlaştırıcı radyasyon kullanılarak aşılması, Postgraduate, B.AYDEMİR(Student), 2018
- ŞEN M., Silikon Elastomerlerin Durulma Özelliklerine Hızlandırıcı Tipinin ve Oranının Etkisi, Postgraduate, E.KAYMAZLAR(Student), 2018
- ŞEN M., Yüksek yoğunluklu polietilen-hidroksiapatit (YYPE-HA) nanokompozit sistemlerinin hazırlanması ve karakterizasyonu, Postgraduate, E.KARACA(Student), 2017
- ŞEN M., İyonlaştırıcı radyasyonla ksantan sakızı esash süper emici polimerlerin hazırlanması, Doctorate, H.HAYRABOLULU(Student), 2017
- ŞEN M., Determination of the effect of accelerator type and accelerator/sulfur ratio on the vulcanization kinetics and aging properties of natural rubber/chloroprene based rubber compounds, Doctorate, F.AHMADZADEH(Student), 2017
- ŞEN M., Epoksi-fonksiyonelli silikat içerikli polimer nanokompozitlerin sentezi ve karakterizasyonu, Postgraduate, K.ŞERİFE(Student), 2015
- ŞEN M., Kitosanın radyasyonla bozunmasına deasetilasyon derecesinin etkisi, Postgraduate, P.TAŞKIN(Student), 2015
- ŞEN M., Doğal kauçuk/kloropren esash silecek lastiği malzemelerinin hazırlanması ve karakterizasyonu, Postgraduate, E.DİKİCİER(Student), 2013
- ŞEN M., Yakıt hücresi uygulamaları için stiren-(etilen-bütülen)-stiren (SEBS) esash kompozit polielektrolit membran geliştirilmesi, Doctorate, K.POLAT(Student), 2013
- ŞEN M., Doğal kauçuk/bütadien kauçuk esash silecek lastiği malzemelerinin hazırlanması ve karakterizasyonu, Postgraduate, A.BABAPOUR(Student), 2013
- ŞEN M., Akrilik asit sodyum tuzu / keçiboynuzu çekirdeği sakızı yarı iç içe geçmiş ağ yapılarının radyasyonla sentezi ve süper emici davranışlarının incelenmesi, Postgraduate, H.HAYRABOLULU(Student), 2011
- ŞEN M., Hidrojellerde adsorplanan ve absorplanan suyun yapısının incelenmesi, Postgraduate, H.YÖNDEMLİ(Student), 2009
- ŞEN M., Enhancement of compatibility of polyethylene/polyvinyl acetate blends by irradiation of polyethylene, Postgraduate, Z.YILMAZ(Student), 2007
- Şen M., Investigation of gamma rays induced degradation mechanism of polysaccharides, Postgraduate, D.TOPRAK(Student), 2006
- Şen M., Synthesis and characterization of macroporous poly(dimethylamino ethyl methacrylate) hydrogels by enhanced phase separation, Postgraduate, O.AGUŞ(Student), 2005
- Şen M., Preparation of poly(n-vinyl-2-pyrrolidone)/kappa-carrageenan hydrogels by ionizing radiation, Postgraduate, E.NAZAN(Student), 2003
- Şen M., Ageing characteristics of ethylene-vinyl acetate copolymer and ethylene-vinyl acetate/ carbon black mixture, Postgraduate, M.ÇOPUROĞLU(Student), 2001
- Şen M., Radiation synthesis and characterization of poly(N-vinyl 2-pyrrolidone/itaconic acid/ethylene glycol dimethacrylate) hydrogels and their use in the drug delivery systems, Postgraduate, A.YAKAR(Student), 2000
- Şen M., Radiation synthesis and characterization of cationic poly (N,N-dimethylaminoethyl methacrylate/N-vinyl 2-pyrrolidone/ethylene glycol dimethacrylate) hydrogels, Postgraduate, M.SARI(Student), 2000

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

- I. **Radiation synthesis and characterization of xanthan gum hydrogels**
Hayrabolulu H., Demeter M., Cutrubinis M., ŞEN M.
RADIATION PHYSICS AND CHEMISTRY, vol.188, 2021 (Journal Indexed in SCI)
- II. **Regulation of chondrocyte hypertrophy in an osteochondral interface mimicking gel matrix**
Korpayev S., Toprak O., Kaygusuz G., ŞEN M., Orhan K., Karakeçili A.
COLLOIDS AND SURFACES B-BIOINTERFACES, vol.193, 2020 (Journal Indexed in SCI)
- III. **Chitosan/collagen based biomimetic osteochondral tissue constructs: A growth factor-free approach**
Korpayev S., Kaygusuz G., Şen M., Orhan K., Oto Ç., Karakeçili A.
INTERNATIONAL JOURNAL OF BIOLOGICAL MACROMOLECULES, vol.156, pp.681-690, 2020 (Journal Indexed in SCI)
- IV. **The effect of ionizing radiation on the mechanical properties of NBR elastomers reinforced by lignin**
Şen M., Aksüt D., Karaağaç B.
RADIATION PHYSICS AND CHEMISTRY, vol.168, 2020 (Journal Indexed in SCI)
- V. **The effect of ionizing radiation on the temperature scanning stress relaxation properties of nitrile-butadiene rubber elastomers reinforced by lignin**
Şen M., Aksüt D., Karaağaç B.
RADIATION PHYSICS AND CHEMISTRY, vol.168, 2020 (Journal Indexed in SCI)
- VI. **Synthesis and characterization of radiation cross-linked PVP hydrogels and investigation of its potential as an antileishmanial drug carrier**
Ben Ammar N. E. , Essid R., Saied T., Şen M., Elkahoui S., Hamzaoui A. H.
POLYMER BULLETIN, vol.77, pp.1343-1357, 2020 (Journal Indexed in SCI)
- VII. **Reducing the hydrocarbon gas diffusion and increasing the pressure-impact strength of fuel transfer pipelines for use in the automotive industry using radiation crosslinked polyamide 12**
Hidroglu M., Aksüt D., Serce O., Karabulut H., Şen M.
RADIATION PHYSICS AND CHEMISTRY, vol.159, pp.118-123, 2019 (Journal Indexed in SCI)
- VIII. **Effect of radiation on mechanical properties of phenyl-vinyl-methyl-polysiloxane (PVMQ) elastomers cured with peroxide and Type I and Type II coagents**
Aksüt D., Demeter M., Calma I., Şen M.
RADIATION PHYSICS AND CHEMISTRY, vol.158, pp.148-152, 2019 (Journal Indexed in SCI)
- IX. **Effect of selective infiltration etching on the bond strength between zirconia and resin luting agents**
Tanis M. C. , Akay C., Şen M.
JOURNAL OF ESTHETIC AND RESTORATIVE DENTISTRY, vol.31, pp.257-262, 2019 (Journal Indexed in SCI)
- X. **Strengthen adhesion between zirconia and resin cement using different surface modifications**
Akay C., Tanis M. C. , Şen M., Kavaklı P.
International Journal of Applied Ceramic Technology, vol.16, no.3, pp.917-922, 2019 (Journal Indexed in SCI Expanded)
- XI. **Effect of radiation on vinyl-methyl-polysiloxane and phenyl-vinyl-methyl-polysiloxane elastomers cured with different co-agents: Comparative study of mechanical and relaxation properties**
Aksüt D., Demeter M., Vancea C., Şen M.
RADIATION PHYSICS AND CHEMISTRY, vol.158, pp.87-93, 2019 (Journal Indexed in SCI)
- XII. **Mechanical characterization and ex vivo evaluation of anticancer and antiviral drug printed bioadhesive film for the treatment of cervical cancer**
Varan C., Şen M., Sandler N., Aktaş Y., Bilensoy E.
EUROPEAN JOURNAL OF PHARMACEUTICAL SCIENCES, vol.130, pp.114-123, 2019 (Journal Indexed in SCI)
- XIII. **Partially sulfonated styrene-(ethylene-butylene)-styrene copolymers: Nanostructures, bio and electro-active properties**
Orujalipoor I., Polat K., Huang Y., İde S., Şen M., Jeng U., Ağçeli G., Cihangir N.
Materials Chemistry and Physics, vol.225, pp.399-405, 2019 (Journal Indexed in SCI)
- XIV. **E-Beam Processing of Collagen-Poly(N-vinyl-2-pyrrolidone) Double-Network Superabsorbent**

Hydrogels: Structural and Rheological Investigations

DEMETER M., CALINA I., VANCEA C., ŞEN M., KAYA M. G. A. , MANAILA E., DUMITRU M., MELTZER V.
MACROMOLECULAR RESEARCH, vol.27, no.3, pp.255-267, 2019 (Journal Indexed in SCI)

- XV. **Identification of temperature scanning stress relaxation behaviors of new grade ethylene propylene diene elastomers**
Karaagac B., CENGİZ S. C. , Bayram T., ŞEN M.
ADVANCES IN POLYMER TECHNOLOGY, vol.37, no.8, pp.3027-3037, 2018 (Journal Indexed in SCI)
- XVI. **Comparison of the Mechanical Properties of Platelet-Rich Fibrin and Ankaferd Blood Stopper-loaded Platelet-rich Fibrin**
Aktaş A., Özer T., Şen M., Türk M., Karabulut E.
NIGERIAN JOURNAL OF CLINICAL PRACTICE, vol.21, pp.1087-1092, 2018 (Journal Indexed in SCI)
- XVII. **A comparative study between three different methods of hydrogel network characterization: effect of composition on the crosslinking properties using sol-gel, rheological and mechanical analyses**
BEN AMMAR N. E. , SAIED T., BARBOUCHE M., HOSNI F., HAMZAoui A. H. , ŞEN M.
POLYMER BULLETIN, vol.75, no.9, pp.3825-3841, 2018 (Journal Indexed in SCI)
- XVIII. **In vitro shear bond strength between fluorinated zirconia ceramic and resin cements**
Tanis M. C. , Akay C., Akcaboy T. C. , ŞEN M., KAVAKLI P., Sapmaz K.
Journal of Advanced Prosthodontics, vol.10, no.3, pp.205-210, 2018 (Journal Indexed in SCI Expanded)
- XIX. **Radiation induced degradation of xanthan gum in aqueous solution**
Hayrabolulu H., DEMETER M., CUTRUBINIS M., Guven O., ŞEN M.
RADIATION PHYSICS AND CHEMISTRY, vol.144, pp.189-193, 2018 (Journal Indexed in SCI)
- XX. **Influence of nano alumina coating on the flexural bond strength between zirconia and resin cement**
Akay C., TANIS M. C. , Mumcu E., Kilicarslan M. A. , ŞEN M.
JOURNAL OF ADVANCED PROSTHODONTICS, vol.10, no.1, pp.43-49, 2018 (Journal Indexed in SCI)
- XXI. **The Effect of Ascorbic Acid (Vitamin C) on Transepithelial Corneal Cross-Linking in Rabbits**
KOC M., BOSTANCI B., DEMIREL O. O. , GENÇ F., TEKİN K., Koban Y., Dincel A. S. , ŞEN M., YILMAZBAS P.
JOURNAL OF OCULAR PHARMACOLOGY AND THERAPEUTICS, vol.33, no.7, pp.525-529, 2017 (Journal Indexed in SCI)
- XXII. **Effects of accelerator type on stress relaxation behavior and network structure of aged natural rubber/chloroprene rubber vulcanizates**
AZAR F. A. N. , ŞEN M.
JOURNAL OF ELASTOMERS AND PLASTICS, vol.49, no.5, pp.381-396, 2017 (Journal Indexed in SCI)
- XXIII. **Effects of Hot Chemical Etching and 10-Metacryloxydecyl Dihydrogen Phosphate (MDP) Monomer on the Bond Strength of Zirconia Ceramics to Resin-Based Cements**
Akay C., TANIS M. C. , ŞEN M.
JOURNAL OF PROSTHODONTICS-IMPLANT ESTHETIC AND RECONSTRUCTIVE DENTISTRY, vol.26, no.5, pp.419-423, 2017 (Journal Indexed in SCI)
- XXIV. **Preparation and characterization of a thermoplastic proton-exchange system based on SEBS and polypropylene blends**
Polat K., ŞEN M.
EXPRESS POLYMER LETTERS, vol.11, no.3, pp.209-218, 2017 (Journal Indexed in SCI)
- XXV. **A polymeric nanocomposite system for potential adhesive applications in restorative dentistry**
Çopuroğlu M., ŞEN M., KEYF F.
JOURNAL OF ADHESION SCIENCE AND TECHNOLOGY, vol.31, no.6, pp.602-612, 2017 (Journal Indexed in SCI)
- XXVI. **Design and optimization of novel paclitaxel-loaded folate-conjugated amphiphilic cyclodextrin nanoparticles**
ERDOĞAR N., ESENDAĞLI G., Nielsen T. T. , ŞEN M., ÖNER L., BİLENSOY E.
INTERNATIONAL JOURNAL OF PHARMACEUTICS, vol.509, pp.375-390, 2016 (Journal Indexed in SCI)
- XXVII. **Radiation induced degradation of xanthan gum in the solid state**
ŞEN M., Hayrabolulu H., Taskin P., TORUN M., DEMETER M., CUTRUBINIS M., Guven O.
RADIATION PHYSICS AND CHEMISTRY, vol.124, pp.225-229, 2016 (Journal Indexed in SCI)

- XXVIII. **Synthesis and Characterization of a Zr-Containing Silicate-Based Epoxy-Functional Polymer Nanocomposite System**
Çopuroğlu M., Şen M.
POLYMER ENGINEERING AND SCIENCE, vol.55, pp.792-798, 2015 (Journal Indexed in SCI)
- XXIX. **Nano and microstructures of SEBS/PP/wax blend membranes: SAXS and WAXS analyses**
Polat K., Orujalpoor I., İde S., Şen M.
JOURNAL OF POLYMER ENGINEERING, vol.35, pp.151-157, 2015 (Journal Indexed in SCI)
- XXX. **The effect of environmental humidity on radiation-induced degradation of carrageenans**
Şen M., Toprak D., Guven O.
CARBOHYDRATE POLYMERS, vol.114, pp.546-552, 2014 (Journal Indexed in SCI)
- XXXI. **Curing kinetics of styrene-(ethylene-butylene)-styrene (SEBS) copolymer by peroxides in the presence of co-agents**
POLAT K., ŞEN M.
JOURNAL OF POLYMER ENGINEERING, vol.34, no.9, pp.787-792, 2014 (Journal Indexed in SCI)
- XXXII. **Light-Curing of a Sol-Gel-Derived Silicate-Based Epoxy-Functional Polymer Nanocomposite Material System**
Copuroglu M., Şen M.
POLYMER COMPOSITES, vol.35, pp.1879-1887, 2014 (Journal Indexed in SCI)
- XXXIII. **Synthesis of carboxylated locust bean gum hydrogels by ionizing radiation**
Hayrabolulu H., Şen M., Celik G., Kavakli P.
Radiation Physics and Chemistry, vol.94, no.1, pp.240-244, 2014 (Journal Indexed in SCI Expanded)
- XXXIV. **The effect of degree of deacetylation on the radiation induced degradation of chitosan**
Taskin P., Canisag H., Şen M.
RADIATION PHYSICS AND CHEMISTRY, vol.94, pp.236-239, 2014 (Journal Indexed in SCI)
- XXXV. **Identification of relationship between the synthesis/process parameters and properties of a sol-gel-derived polymer nanocomposite system**
Copuroglu M., Şen M.
JOURNAL OF APPLIED POLYMER SCIENCE, vol.129, pp.3704-3709, 2013 (Journal Indexed in SCI)
- XXXVI. **A comprehensive study on the size exclusion chromatography of kappa-carrageenan for the identification of after-peaks**
Şen M., Yolacan B., Guven O.
JOURNAL OF APPLIED POLYMER SCIENCE, vol.127, pp.494-499, 2013 (Journal Indexed in SCI)
- XXXVII. **Ultraviolet-radiation-curing of an organically modified silicate-based material system with epoxy functionality, and the role of titanium**
Copuroglu M., Şen M.
RADIATION PHYSICS AND CHEMISTRY, vol.81, pp.1324-1327, 2012 (Journal Indexed in SCI)
- XXXVIII. **Radiation synthesis and characterisation of the network structure of natural/synthetic double-network superabsorbent polymers**
Şen M., Hayrabolulu H.
RADIATION PHYSICS AND CHEMISTRY, vol.81, pp.1378-1382, 2012 (Journal Indexed in SCI)
- XXXIX. **The antioxidant properties of oligo sodium alginates prepared by radiation-induced degradation in aqueous and hydrogen peroxide solutions**
Şen M., Atik H.
RADIATION PHYSICS AND CHEMISTRY, vol.81, pp.816-822, 2012 (Journal Indexed in SCI)
- XL. **Swelling and mechanical properties of superabsorbent hydrogels based on Tara gum/acrylic acid synthesized by gamma radiation**
Abd Alla S. G. , Şen M., El-Naggar A. W. M.
CARBOHYDRATE POLYMERS, vol.89, pp.478-485, 2012 (Journal Indexed in SCI)
- XLI. **EFFECTS OF CRYOGENIC TREATMENT ON THE PROPERTIES OF TYRE PRODUCTION WASTES**
KARAAĞAÇ B., Deniz V., ŞEN M.
CHEMICKE LISTY, vol.105, no.5, pp.429-434, 2011 (Journal Indexed in SCI)

- XLII. ELECTROCHEMICAL PREPARATION OF POLY(VINYLFERROCENIUM)-PERCHLORATE-POLYANILINE COMPOSITE-MODIFIED PLATINIUM ELECTRODE IN METHYLENE CHLORIDE**
Kavanoz M., ŞEN M., Pekmez N. O.
COLLECTION OF CZECHOSLOVAK CHEMICAL COMMUNICATIONS, vol.76, no.12, pp.1855-1877, 2011 (Journal Indexed in SCI)
- XLIII. Effects of molecular weight and ratio of guluronic acid to mannuronic acid on the antioxidant properties of sodium alginate fractions prepared by radiation-induced degradation**
Sen M.
APPLIED RADIATION AND ISOTOPES, vol.69, pp.126-129, 2011 (Journal Indexed in SCI)
- XLIV. Determination of critical gelation conditions of kappa-carrageenan by viscosimetric and FT-IR analyses**
Şen M., Erboz E. N.
FOOD RESEARCH INTERNATIONAL, vol.43, pp.1361-1364, 2010 (Journal Indexed in SCI)
- XLV. Effects of gamma and electron beam irradiation on the properties of calendered cord fabrics**
Aytaç A., Deniz V., Şen M., Hegazy E., Guven O.
RADIATION PHYSICS AND CHEMISTRY, vol.79, pp.297-300, 2010 (Journal Indexed in SCI)
- XLVI. Effect of G/M ratio on the radiation-induced degradation of sodium alginate**
Şen M., Rendeovski S., Kavakli P., Sepehrianazar A.
Radiation Physics and Chemistry, vol.79, no.3, pp.279-282, 2010 (Journal Indexed in SCI Expanded)
- XLVII. Intravesical cationic nanoparticles of chitosan and polycaprolactone for the delivery of Mitomycin C to bladder tumors**
Bilensoy E., Sarisozen C., Esendagli G., Doğan A., Aktas Y., Şen M., Mungan N. A.
INTERNATIONAL JOURNAL OF PHARMACEUTICS, vol.371, pp.170-176, 2009 (Journal Indexed in SCI)
- XLVIII. Development of nonsurfactant cyclodextrin nanoparticles loaded with anticancer drug paclitaxel**
Bilensoy E., Gurkaynak O., Ertan M., Şen M., Hincal A. A.
JOURNAL OF PHARMACEUTICAL SCIENCES, vol.97, pp.1519-1529, 2008 (Journal Indexed in SCI)
- XLIX. Adsorption of Apollo reactive dyes on poly(N,N dimethylamino ethylmethacrylate) hydrogels**
Solpan D., Şen M., Kolge Z., Guven G.
RADIATION PHYSICS AND CHEMISTRY, vol.77, pp.428-433, 2008 (Journal Indexed in SCI)
- L. Radiation synthesis of low swelling acrylamide based hydrogels and determination of average molecular weight between cross-links**
Mahmudi N., Şen M., Rendeovski S., Gueven G.
NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION B-BEAM INTERACTIONS WITH MATERIALS AND ATOMS, vol.265, pp.375-378, 2007 (Journal Indexed in SCI)
- LI. Radiation-induced degradation of galactomannan polysaccharides**
Şen M., Yolacan B., Guven G.
NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION B-BEAM INTERACTIONS WITH MATERIALS AND ATOMS, vol.265, pp.429-433, 2007 (Journal Indexed in SCI)
- LII. Effect of gamma irradiation on the properties of tyre cords**
Aytaç A., Şen M., Deniz V., Guven O.
NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION B-BEAM INTERACTIONS WITH MATERIALS AND ATOMS, vol.265, pp.271-275, 2007 (Journal Indexed in SCI)
- LIII. Recycling of gamma irradiated inner tubes in butyl based rubber compounds**
Karaagac B., Şen M., Deniz V., Guven O.
NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION B-BEAM INTERACTIONS WITH MATERIALS AND ATOMS, vol.265, pp.290-293, 2007 (Journal Indexed in SCI)
- LIV. Controlling of pore size and distribution of PDMAEMA hydrogels prepared by gamma rays**
Sen M., Agus O., Safrany A.
RADIATION PHYSICS AND CHEMISTRY, vol.76, pp.1342-1346, 2007 (Journal Indexed in SCI)
- LV. Thermosensitive mucoadhesive gel formulation loaded with 5-Fu: cyclodextrin complex for HPV-induced cervical cancer**

Bilensoy E., Cirpanli Y., Sen M., Dogan A. L. , Calis S.

JOURNAL OF INCLUSION PHENOMENA AND MACROCYCLIC CHEMISTRY, vol.57, pp.363-370, 2007 (Journal Indexed in SCI)

- LVI. **Complexation behavior of antiestrogen drug tamoxifen citrate with natural and modified beta-cyclodextrins**
Bilensoy E., Dogan L., Sen M., Hincal A.
JOURNAL OF INCLUSION PHENOMENA AND MACROCYCLIC CHEMISTRY, vol.57, pp.651-655, 2007 (Journal Indexed in SCI)
- LVII. **Water sorption and solubility of different luting and restorative dental cements**
Keyf F., Tuna S. H. , Şen M., Safrany A.
TURKISH JOURNAL OF MEDICAL SCIENCES, vol.37, pp.47-55, 2007 (Journal Indexed in SCI)
- LVIII. **Investigation of heavy metal ion adsorption characteristics of poly(N,N dimethylamino ethylmethacrylate) hydrogels**
Kavaklı P. A. , Yilmaz Z., Sen M.
SEPARATION SCIENCE AND TECHNOLOGY, vol.42, pp.1245-1254, 2007 (Journal Indexed in SCI)
- LIX. **Removal of nitrite ions from aqueous solutions by poly(N,N-dimethylamino ethylmethacrylate) hydrogels**
Yilmaz Z., Akkas P. K. , Sen M., Guven O.
JOURNAL OF APPLIED POLYMER SCIENCE, vol.102, no.6, pp.6023-6027, 2006 (Journal Indexed in SCI)
- LX. **Influence of gamma irradiation on the ageing characteristics of poly(ethylene-co-vinyl acetate) and poly(ethylene-co-vinyl acetate)/carbon black mixture**
Sen M., Copuroglu M.
JOURNAL OF THERMAL ANALYSIS AND CALORIMETRY, vol.86, pp.223-227, 2006 (Journal Indexed in SCI)
- LXI. **Mucoadhesive, thermosensitive, prolonged-release vaginal gel for clotrimazole: β -cyclodextrin complex**
Bilensoy E., Rouf M. A. , Vural İ., Sen M., Hincal A. A.
AAPS PharmSciTech, vol.7, no.2, 2006 (Journal Indexed in SCI)
- LXII. **Effect of drug physicochemical properties on in vitro characteristics of amphiphilic cyclodextrin nanospheres and nanocapsules**
Memisoglu-Bilensoy E., Sen M., Hincal A. A.
Journal of Microencapsulation, vol.23, no.1, pp.59-68, 2006 (Journal Indexed in SCI)
- LXIII. **A comparative study of gamma irradiation of poly (ethylene-co-vinyl acetate) and poly(ethylene-co-vinyl acetate)/carbon black mixture**
Sen M., Copuroglu M.
MATERIALS CHEMISTRY AND PHYSICS, vol.93, pp.154-158, 2005 (Journal Indexed in SCI)
- LXIV. **Radiation synthesis of poly(N-vinyl-2-pyrrolidone)-kappa-carrageenan hydrogels and their use in wound dressing applications. I. Preliminary laboratory tests**
Sen M., Avci E. N.
JOURNAL OF BIOMEDICAL MATERIALS RESEARCH PART A, pp.187-196, 2005 (Journal Indexed in SCI)
- LXV. **Enhancement of copolymerization of itaconic acid with N-vinyl 2-pyrrolidone by radiation in the presence of cross-linking agent**
Sen M., Yakar A.
NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION B-BEAM INTERACTIONS WITH MATERIALS AND ATOMS, vol.234, pp.226-234, 2005 (Journal Indexed in SCI)
- LXVI. **Radiation synthesis and characterization of poly(N,N-dimethylaminoethyl methacrylate-co-N-vinyl 2-pyrrolidone) hydrogels**
Sen M., Sari M.
EUROPEAN POLYMER JOURNAL, vol.41, pp.1304-1314, 2005 (Journal Indexed in SCI)
- LXVII. **A comparative study of UV aging characteristics of poly(ethylene-co-vinyl acetate) and poly(ethylene-co-vinyl acetate)/carbon black mixture**
Copuroglu M., ŞEN M.

- POLYMERS FOR ADVANCED TECHNOLOGIES, vol.16, no.1, pp.61-66, 2005 (Journal Indexed in SCI)
- LXVIII. **A comparative study of thermal ageing characteristics of poly(ethylene-co-vinyl acetate) and poly(ethylene-co-vinyl acetate)/carbon black mixture**
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- ŞEN M., Aksüt D., Onay M., Project Supported by Higher Education Institutions, Akrilonitril Bütadien Kauçuğunun (NBR) Lignin Varlığında Hızlandırılmış Vulkanizasyonu ve Lignin'in NBR elastomerinin Yaşlanma ve Reolojik Özellikleri Üzerindeki Etkisi, 2018 - 2019
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- KIRAÇ F., ŞEN M., Project Supported by Higher Education Institutions, Ksantan Sakızı Polimerinin İyonlaştırıcı Radyasyonla Bozunma Hızına Işınlama Dozunun ve Doz Hızının Etkisi, 2015 - 2015
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- ŞEN M., Project Supported by Higher Education Institutions, Hacettepe Üniversitesinde Polimer Bilimi ve Teknolojisi Eğitiminde ve Araştırmalarında Son Gelişmeler, 2014 - 2015
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- ŞEN M., TUBITAK Project, İyonlaştırıcı Radyasyonla Ksantan Sakızı Esaslı Süper Emici Polimerlerin Hazırlanması İçin Optimum İşleme Koşullarının Belirlenmesi, 2013 - 2015

Memberships / Tasks in Scientific Organizations

Polimer Bilimi ve Teknolojisi Derneği, Board Member, 2017 - Continues

Scientific Consultations

Tübitak- TEYDEB Projesi, Project Consultancy, Hacettepe University, Fen Fakültesi, Kimya Bölümü, Turkey, 2018 - Continues

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Edit Congress and Symposium Activities

7. Uluslararası Katılımlı Polimer Bilimi ve Teknolojisi Kongresi, Attendee, Eskişehir, Turkey, 2018

International Rubber Congress(IRC2018), Attendee, Kuala-Lumpur, Malaysia, 2018

Ionizing Radiation and Polymers (IRaP2018), Attendee, Moscow, Russia, 2018

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Citations

Total Citations (WOS):1955

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Awards

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