

Prof. NİLHAN KAYAMAN APOHAN

Personal Information

Email: napohan@marmara.edu.tr

Web: <https://avesis.marmara.edu.tr/napohan>

Biography

Prof. Dr. Nilhan Kayaman Apohan received her PhD degree in 1998 from Istanbul Technical University. She worked as an Expert Researcher in Marmara Research Center of TUBITAK for 4 years. She worked at the Conte Polymer Research Center of the University of Massachusetts as a visiting scientist during 6 months period between 1998-1999. In 2000, she joined to the Department of Organic Chemistry, Marmara University, as a professor. In 2013-2016, she served as the Vice Dean of the Faculty of Arts and Sciences. She has been serving as the Head of the Department of Chemistry since 2015. In 2016, she established the Interdisciplinary Polymer Science and Technology Graduate Program. She has over 2000 citations in over 120 SCI indexed journals. Her H-index is 27. Her expertise includes polymer chemistry, synthetic polymer based biomaterials, biodegradable polymers, hydrogels, membranes, nanocomposites, UV cured surface coatings, Hybrid coatings, high performance polymer materials.

Education Information

Doctorate, İstanbul Teknik Üniversitesi, Fen Bilimleri Enstitüsü, Kimyagerlik (YI) (Tezli), Turkey 1994 - 1998

Postgraduate, İstanbul Teknik Üniversitesi, Fen Bilimleri Enstitüsü, Kimyagerlik (YI) (Tezli), Turkey 1992 - 1994

Undergraduate, Marmara University, Atatürk Faculty of Education, Mathematics and Science Education, Turkey 1987 - 1992

Foreign Languages

English, B2 Upper Intermediate

Dissertations

Doctorate, Theoretical and experimental investigations on the phase transitions of polymeric systems, İstanbul Teknik Üniversitesi, Fen Bilimleri Enstitüsü, Kimyagerlik (YI) (Tezli), 1998

Postgraduate, Piridinyum tuzlarının serbest radikal fotobaslatıcı olarak kullanımı, İstanbul Teknik Üniversitesi, Fen Bilimleri Enstitüsü, Kimyagerlik (YI) (Tezli), 1994

Research Areas

Natural Sciences

Academic Titles / Tasks

Professor, Marmara University, Faculty Of Arts And Sciences, Chemistry, 2008 - Continues
Associate Professor, Marmara University, Faculty Of Arts And Sciences, Chemistry, 2002 - 2008
Assistant Professor, Marmara University, Faculty Of Arts And Sciences, Chemistry, 2000 - 2002

Academic and Administrative Experience

Marmara University, Faculty of Arts and Sciences, Chemistry, 2015 - Continues
Marmara University, Faculty of Arts and Sciences, 2013 - 2016
Marmara University, Faculty of Arts and Sciences, Chemistry, 2012 - 2015
Marmara University, Faculty of Arts and Sciences, Chemistry, 2010 - 2012

Courses

Polymer Chemistry, Undergraduate, 2018 - 2019
Polymer Photochemistry, Postgraduate, 2018 - 2019
Polymer Chemistry and applications, Undergraduate, 2018 - 2019
Introduction to Polymer Chemistry, Undergraduate, 2018 - 2019
Synthetic Biopolymers, Doctorate, 2018 - 2019
Polymer Characterization, Postgraduate, 2018 - 2019
Fundamentals of Polymer Chemistry, Postgraduate, 2018 - 2019

Advising Theses

Oktay B., Kayaman Apohan N., İyonik Sıvı Destekli PVDF Polielektrolitlerin Kontrollü Polimerizasyon ile Hazırlanması ve Karakterizasyonu, Postgraduate, B.Bekdaş(Student), Continues
Oktay B., Kayaman Apohan N., Çekirdek Kabuk Tipi Poliakrilat Hidroksi Apatit İlaç Taşıyıcıların Kontrollü Polimerizasyon ile Sentezi ve Karakterizasyon Çalışmaları, Postgraduate, G.Koçal(Student), Continues
KAYAMAN APOHAN N., Yüksek sıcaklığa dayanıklı polimerlerle modifiye edilmiş seramer (ceramer) malzemeler ve uygulamaları, Doctorate, M.Hulusi(Student), 2019
Madakbaş S., Kayaman Apohan N., KENDİ KENDİNİ ONARABİLEN POLİÜRETAN NANOKOMPOZİT KAPLAMALARIN SENTEZİ VE KARAKTERİZASYONU, Postgraduate, S.AKHAN(Student), 2019
KAYAMAN APOHAN N., GENÇOĞLU E. N. , Yeni polimerik fotobaşlatıcılar kullanarak basılabilir düşük migrasyonlu vernik ve lak üretimi, Doctorate, E.ARMAN(Student), 2018
KAYAMAN APOHAN N., Yüksek performanslı poliimid nanofiberlerin hazırlanması ve lityum iyon pillerde elektrolit olarak kullanımı, Postgraduate, E.AYTAN(Student), 2016
KAYAMAN APOHAN N., Yüksek performanslı polimid nanofiberlerin hazırlanması ve lityum iyon pillerde elektrolit olarak kullanımı, Postgraduate, E.Aytan(Student), 2016
KAYAMAN APOHAN N., Kitosan-ko-Hyaluronik asit kriyojellerinin hazırlanması ve karakterizasyonu, Postgraduate, T.KUTLUSOY(Student), 2016
KAYAMAN APOHAN N., POLİİMİD ESASLI YÜKSEK PERFORMANSLI YENİ POLİMERLERİN SENTEZİ VE UYGULAMALARI, Doctorate, R.DENİZ(Student), 2016
KAHRAMAN M. V. , KAYAMAN APOHAN N., Moleküler baskılanmış polimer nanopartiküllerin sentezi ve karakterizasyonu, Postgraduate, M.YAŞAR(Student), 2016
KAYAMAN APOHAN N., Yüksek performanslı poliimit ve dolgu malzemeleri takviyeli polimer türevlerinin sentezi, karakterizasyonu ve membran teknolojisindeki uygulamaları, Doctorate, M.BİÇEN(Student), 2015
KAYAMAN APOHAN N., Elektrospin tekniği ile hazırlanan biyopolimer nanofiberlerin yüzey modifikasyonları ve uygulamaları, Doctorate, B.OKTAY(Student), 2015
KAYAMAN APOHAN N., Manyetik nanopartikül içeren biyoparçalanabilen ilaç salınım sistemlerinin sentezi ve

karakterizasyonu, Postgraduate, T.BİÇER(Student), 2014

KAYAMAN APOHAN N., Karbon nanotüp içeren UV ışınlarıyla kürlenmiş nanokompozit kaplamalar, Postgraduate, K.İLGÜN(Student), 2014

ABDURRAHMANOĞLU S., KAYAMAN APOHAN N., Organik-inorganik hibrit hidrojenlerin hazırlanması ve karakterizasyonu, Postgraduate, Ö.DOĞRU(Student), 2014

KAYAMAN APOHAN N., Su bazlı poliüretan-akrilik-silika hibrit emülsiyonlarının sentezi ve karakterizasyonu, Postgraduate, H.SAVAŞ(Student), 2014

KAYAMAN APOHAN N., Polimer elektrolit membranlı yakıt pili uygulamaları için poli(arilen eter) esaslı membranların hazırlanması, Doctorate, M.GÜRTEKİN(Student), 2013

KAHRAMAN M. V. , KAYAMAN APOHAN N., Termoplastik poliüretan sentezi ve kompozit hazırlama uygulamaları, Doctorate, Z.ALTINTAŞ(Student), 2012

KAYAMAN APOHAN N., Poli(alfa-hidroksi ester üretan) esaslı biyobozunur polimerlerin sentezi ve karakterizasyonu, Postgraduate, Ç.ÇİÇEK(Student), 2012

KAYAMAN APOHAN N., Termoplastik polyester elastomerlerin sentezi ve karakterizasyonu, Postgraduate, Ş.PAÇA(Student), 2011

KAYAMAN APOHAN N., Gümüş nanoparçacıkları içeren antimikrobiyal organik-inorganik hibrit kaplamaların hazırlanması ve karakterizasyonu, Postgraduate, B.OKTAY(Student), 2011

KAYAMAN APOHAN N., Fosfin oksit içeren poliüretan-silika nanokompozitler ve kaplama performanslarının incelenmesi, Doctorate, Z.HOŞGÖR(Student), 2011

KAYAMAN APOHAN N., β - siklodekstrin içeren biyobozunur hidrojenlerin sentezi ve ilaç salım özelliklerinin incelenmesi, Postgraduate, E.Akyürek(Student), 2010

KAYAMAN APOHAN N., B-siklodekstrin içeren biyobozunur hidrojenlerin sentezi ve ilaç salım özelliklerinin incelenmesi, Postgraduate, E.AKYÜREK(Student), 2010

KAHRAMAN M. V. , KAYAMAN APOHAN N., 4-akrilomorfolin esaslı hidrojenlerin sentezi ve ilaç salım kinetiğinin incelenmesi, Postgraduate, H.EFE(Student), 2010

KAYAMAN APOHAN N., Apohan N., Protein konjügasyonu yeni bir formülasyon çalışması, Postgraduate, F.Özyürek(Student), 2010

KAYAMAN APOHAN N., Protein konjügasyonu - yeni bir formülasyon çalışması, Postgraduate, F.ÖZYÜREK(Student), 2010

KAYAMAN APOHAN N., Uv ışınları ile sertleşebilen aşınma ve yanma dayanımlı, nanokompozit kaplamaların hazırlanması ve antimikrobiyal özelliklerinin incelenmesi, Postgraduate, R.DENİZ(Student), 2009

KAYAMAN APOHAN N., Doku mühendisliğinde kullanılacak yeni polimerik biyomalzemelerin geliştirilmesi, Doctorate, Z.SEDEN(Student), 2009

KAYAMAN APOHAN N., Epoksi/silika nanokompozitler ve kaplama performanslarının incelenmesi, Postgraduate, D.İşin(Student), 2008

KAYAMAN APOHAN N., İnvors-süspansiyon polimerizasyonu yöntemiyle sentezlenen mikrokürelerin karakterizasyonu ve ilaç salınımı çalışmaları, Postgraduate, Z.NART(Student), 2008

KAYAMAN APOHAN N., İnvors-süspansiyon polimerizasyon yöntemiyle hazırlanan mikrokürelerin karakterizasyonu ve ilaç salınımı çalışmaları, Postgraduate, Z.Nart(Student), 2008

KAYAMAN APOHAN N., Maleid imid modifiye reçinelerin sentezi ve kaplama uygulamaları, Postgraduate, Z.ALTINTAŞ(Student), 2008

KAYAMAN APOHAN N., Epoksi silika nanokompozitler ve kaplama performansının incelenmesi, Postgraduate, D.İŞİN(Student), 2008

KAYAMAN APOHAN N., UV-ışınlarla sertleştirilebilen silika modifiye polielektrolit membranların sentezi ve karakterizasyonu, Postgraduate, M.GÜRTEKİN(Student), 2008

KAYAMAN APOHAN N., UV ışınları ile sertleşebilen sol-jel kaplamalarda yanmazlık geciktirici fosfin oksit bazlı reçinelerin etkisinin incelenmesi, Postgraduate, B.BİLEN(Student), 2007

KAYAMAN APOHAN N., Suda az çözünen ilaçların siklodekstrin modifiye hidrojenler ile taşınımı, Postgraduate, N.BORA(Student), 2006

KAYAMAN APOHAN N., pH ve sıcaklığa duyarlı faz geçişi gösteren iç içe girmiş polimerik ağ yapılarının sentezi ve karakterizasyonu, Postgraduate, Z.SEDEN(Student), 2005

KAYAMAN APOHAN N., Cam küre, CaCO₃ ve talk dolgulı polipropilen hibrit kompozitlerin mekanik ve fiziksel

özelliklerinin incelenmesi, Postgraduate, Y.Kansu(Student), 2005
KAYAMAN APOHAN N., Cam küre, CaCO₃ ve talk dolgulu polipropilen hibrit konpozitlerin mekanik ve fiziksel özelliklerinin incelenmesi, Postgraduate, Y.KANSU(Student), 2005
KAYAMAN APOHAN N., UV-ışınları ile sertleşebilen fosfin oksit bazlı reçinelerin sentezi, karakterizasyonu ve sol-jel kaplamalarda kullanımı, Postgraduate, Z.HOŞGÖR(Student), 2004
KAYAMAN APOHAN N., Radikalik UV polimerizasyon ile siloksan modifiye edilmiş bisfenol A ve/veya 6F bisfenol A hibrit kaplamaların hazırlanması, karakterizasyonu ve uygulamaları, Postgraduate, M.KUĞU(Student), 2004
KAYAMAN APOHAN N., L-Laktik asit, glikolik asit ve 2,2'-bis(hidroksimetil propionik asit) içeren terpolimerlerinin sentezi ve karakterizasyonu, Postgraduate, E.ÖZALTIN(Student), 2003
KAYAMAN APOHAN N., L-Laktik asit, glikolik asit ve 2,2'-bis(hidroksimetil propionik asit) içeren terpolimerinin sentezi ve karakterizasyonu, Postgraduate, E.Özaltın(Student), 2003
KAYAMAN APOHAN N., UV-ışınları ile sertleşebilen akrilat/vinil eter bazlı iç içe girmiş polimerik ağ yapıların (IPN) sentezi ve karakterizasyonu, Postgraduate, R.DEMİRÇİ(Student), 2003
KAYAMAN APOHAN N., UV-ışınları ile sertleşebilen siloksan içeren vinil eter bazlı reçinelerin sentezi ve karakterizasyonu, Postgraduate, F.BETÜL(Student), 2003

Designed Programs

Kayaman Apohan N., Undergraduate Double Major, Polymer Science and Technology Graduate Program, 2017 - Continues

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

- I. **Biodegradable Polyurethane Solid-Solid Phase Change Materials**
Oktay B., Kayaman Apohan N.
ChemistrySelect, vol.6, no.24, pp.6280-6285, 2021 (Journal Indexed in SCI Expanded)
- II. **Stimuli-responsive smart nanoparticles with well-defined random and triblock terpolymers for controlled release of an anticancer drug**
Koçal G., Oktay B., Eroğlu G. Ö. , Kuruca S. E. , Çubuk S., Kayaman Apohan N.
Materials Today Communications, vol.26, 2021 (Journal Indexed in SCI Expanded)
- III. **Poly(2,6-diphenyl-p-phenylene oxide) supported iron catalysts for the synthesis of lower olefins via Fischer-Tropsch reaction**
Tuptup M., KAYAMAN APOHAN N., Ozkara-Sarioglan S., Unveren E., Atac O., Sarioğlu A.
REACTION KINETICS MECHANISMS AND CATALYSIS, 2021 (Journal Indexed in SCI)
- IV. **Polymeric nanoparticles for selective protein recognition by using thiol-ene miniemulsion photopolymerization**
Yaşar M., Dal Y., Kahraman M. V. , Kayaman A., Aktaş Z., Öncül M., Akçakaya H.
JOURNAL OF BIOMATERIALS SCIENCE-POLYMER EDITION, vol.31, pp.2044-2059, 2020 (Journal Indexed in SCI)
- V. **Polyurethane graphene nanocomposites with self-healing properties by azide-alkyne click reaction**
Akhan S., Oktay B., Özdemir O. K. , Madakbaş S., Kayaman Apohan N.
Materials Chemistry and Physics, vol.254, 2020 (Journal Indexed in SCI)
- VI. **Immobilization of pectinase on polyethyleneimine based support via spontaneous amino-yne click reaction**
OKTAY B., DEMİR S., Kayaman-Apohan N.
Food and Bioproducts Processing, vol.122, pp.159-168, 2020 (Journal Indexed in SCI Expanded)
- VII. **Synthesis, characterization, and ionic conductivity of electrospun organic-inorganic hybrid gel electrolytes**
Aytan E., Ugur M. H. , KAYAMAN APOHAN N.
POLYMER ENGINEERING AND SCIENCE, vol.60, no.3, pp.619-629, 2020 (Journal Indexed in SCI)

- VIII. **Development of nanofiber based immunosorbent surface for the removal of fluoxetine from breast milk**
Tunali-Akbay T., Kahraman M. V. , Oktay B., İpekçi H., Kayaman Apohan N.
International Journal of Polymeric Materials and Polymeric Biomaterials, vol.68, no.16, pp.947-955, 2019 (Journal Indexed in SCI Expanded)
- IX. **Stimuli-responsive poly(hydroxyethyl methacrylate) hydrogels from carboxylic acid-functionalized crosslinkers**
Bingol H. B. , Agopcan-Cinar S., Bal T., Oran D. C. , Kizilel S., Kayaman-Apohan N., Avci D.
JOURNAL OF BIOMEDICAL MATERIALS RESEARCH PART A, vol.107, no.9, pp.2013-2025, 2019 (Journal Indexed in SCI)
- X. **The Synthesis of New Type II Polymeric Photoinitiator (thioxantone) via Atom Transfer Radical Polymerization and Their Curing and Migration Studies**
Kandirmaz E., Gençoğlu E. N. , Apohan N.
MACROMOLECULAR RESEARCH, vol.27, pp.756-763, 2019 (Journal Indexed in SCI)
- XI. **Preparation of a Poly(ethylene glycol)-Based Cross-Linked Network from a Click Reaction for Enzyme Immobilization**
Oktay B., Demir S., Kayaman Apohan N.
CHEMISTRYSELECT, vol.4, no.20, pp.6055-6059, 2019 (Journal Indexed in SCI)
- XII. **Designing Coconut Oil Encapsulated Poly(stearyl methacrylate-co-hydroxyethyl metacrylate) Based Microcapsule for Phase Change Materials**
OKTAY B., Basturk E., KAHRAMAN M. V. , Apohan N.
CHEMISTRYSELECT, vol.4, no.17, pp.5110-5115, 2019 (Journal Indexed in SCI)
- XIII. **Preparation of poly (bis[2-(methacryloyloxy)ethyl] phosphate) crosslinked polymer brushes on Poly(vinylidene fluoride) nanofibers**
Oktay B., Ugur M. H. , Kayaman Apohan N.
MATERIALS CHEMISTRY AND PHYSICS, vol.217, pp.168-174, 2018 (Journal Indexed in SCI)
- XIV. **Naphthalene-based polyimide electrolytes for lithium-ion battery applications**
Ozturk R. D. T. , Ugur M. H. , Gungor A., KAYAMAN APOHAN N.
ADVANCES IN POLYMER TECHNOLOGY, vol.37, no.5, pp.1356-1365, 2018 (Journal Indexed in SCI)
- XV. **Preparation and thermal properties of Alkoxy Silane functionalized polyether sulfone/well-defined poly(trimethoxysilyl) propyl methacrylate-based hybrid materials**
OKTAY B., Basturk E., KAHRAMAN M. V. , KAYAMAN APOHAN N.
POLYMER ENGINEERING AND SCIENCE, vol.58, no.8, pp.1346-1352, 2018 (Journal Indexed in SCI)
- XVI. **Surface properties of sol-gel-based fluorine-containing ceramic coatings**
Ugur M. H. , ÇAKMAKÇI E., Gungor A., KAYAMAN APOHAN N.
JOURNAL OF SOL-GEL SCIENCE AND TECHNOLOGY, vol.87, no.1, pp.113-124, 2018 (Journal Indexed in SCI)
- XVII. **Preparation of novel thioxanthone based polymeric photoinitiator for flexographic varnish and determination of their migration behaviour**
Kandirmaz E., Apohan N., GENÇOĞLU E. N.
PROGRESS IN ORGANIC COATINGS, vol.119, pp.36-43, 2018 (Journal Indexed in SCI)
- XVIII. **Thiol-yne photo-clickable electrospun phase change materials for thermal energy storage**
OKTAY B., Basturk E., KAHRAMAN M. V. , Apohan N.
REACTIVE & FUNCTIONAL POLYMERS, vol.127, pp.10-19, 2018 (Journal Indexed in SCI)
- XIX. **Methacrylate Functionalized MWCNTs/PDMS-Polyurethane Methacrylate UV-Curable Nanocomposites**
İlgün K., Oktay B., Kayaman Apohan N.
JOURNAL OF INORGANIC AND ORGANOMETALLIC POLYMERS AND MATERIALS, vol.28, pp.1235-1245, 2018 (Journal Indexed in SCI)
- XX. **Magnetic nanoparticle containing thiol-ene crosslinked hydrogels for controlled and targeted release of hydrophobic drugs**
Oktay B., Demir S., Kayaman Apohan N.

POLYMER COMPOSITES, vol.39, 2018 (Journal Indexed in SCI)

- XXI. **Highly thermally resistant, hydrophobic poly(vinyl alcohol)-silica hybrid nanofibers**
Ugur M. H. , OKTAY B., Gungor A., KAYAMAN APOHAN N.
JOURNAL OF THE SERBIAN CHEMICAL SOCIETY, vol.83, pp.885-897, 2018 (Journal Indexed in SCI)
- XXII. **Facile fabrication and characterization of polyimide nanofiber reinforced photocured hybrid electrolyte for Li-ion batteries**
Aytan E., Ugur M. H. , KAYAMAN APOHAN N.
POLYMERS FOR ADVANCED TECHNOLOGIES, vol.28, no.12, pp.1951-1960, 2017 (Journal Indexed in SCI)
- XXIII. **Chitosan-co-Hyaluronic acid porous cryogels and their application in tissue engineering**
Kutlusoy T., OKTAY B., KAYAMAN APOHAN N., Silleymanoglu M., Kuruca S. E.
INTERNATIONAL JOURNAL OF BIOLOGICAL MACROMOLECULES, vol.103, pp.366-378, 2017 (Journal Indexed in SCI)
- XXIV. **Thermal, physical, structural, thermomechanical features and single gas permeation comparison of fluorine, phenyl phosphine oxide-based copolyimides with poly(dimethylsiloxane)**
Bicen M., KARATAŞ S., KAYAMAN APOHAN N., Gungor A.
POLYMER BULLETIN, vol.74, no.6, pp.2217-2244, 2017 (Journal Indexed in SCI)
- XXV. **Zwitterionic phosphorylcholine grafted chitosan nanofiber: Preparation, characterization and in-vitro cell adhesion behavior**
Oktay B., Kayaman Apohan N., Suleymanoglu M., Erdem-Kuruca S.
MATERIALS SCIENCE & ENGINEERING C-MATERIALS FOR BIOLOGICAL APPLICATIONS, vol.73, pp.569-578, 2017 (Journal Indexed in SCI)
- XXVI. **Role of polydimethylsiloxane in properties of ternary materials based on polyimides containing zeolite Y**
Bicen M., KARATAŞ S., KAYAMAN APOHAN N., Gungor A.
CHEMICAL PAPERS, vol.70, no.7, pp.960-972, 2016 (Journal Indexed in SCI)
- XXVII. **Fluorine-Containing Photocurable Hybrid Coatings via Anhydrous Sol-Gel Method**
Cakmakci E., Altintas Z., KAHRAMAN M. V. , Apohan N.
JOURNAL OF VINYL & ADDITIVE TECHNOLOGY, vol.21, no.4, pp.272-277, 2015 (Journal Indexed in SCI)
- XXVIII. **The effect of surface modification of zeolite 4A on the physical and electrical properties of copolyimide hybrid films**
Bicen M., KAYAMAN APOHAN N., KARATAŞ S., DUMLUDAĞ F., Gungor A.
MICROPOROUS AND MESOPOROUS MATERIALS, vol.218, pp.79-87, 2015 (Journal Indexed in SCI)
- XXIX. **Phosphoric acid functional UV-cured proton conducting polymer membranes for fuel cells**
Ugur M. H. , KAYAMAN APOHAN N., AVCI SEMİZ D., Gungor A.
IONICS, vol.21, no.11, pp.3097-3107, 2015 (Journal Indexed in SCI)
- XXX. **Superhydrophobic behavior of polyimide-siloxane mats produced by electrospinning**
OKTAY B., Toker R. D. , KAYAMAN APOHAN N.
POLYMER BULLETIN, vol.72, no.11, pp.2831-2842, 2015 (Journal Indexed in SCI)
- XXXI. **Fabrication of collagen immobilized electrospun poly (vinyl alcohol) scaffolds**
Oktay B., Kayaman Apohan N., Erdem-Kuruca S., Suleymanoglu M.
POLYMERS FOR ADVANCED TECHNOLOGIES, vol.26, pp.978-987, 2015 (Journal Indexed in SCI)
- XXXII. **Thioether functional chain extender for thermoplastic polyurethanes**
Altintas Z., ÇAKMAKÇI E., KAHRAMAN M. V. , KAYAMAN APOHAN N.
CHINESE JOURNAL OF POLYMER SCIENCE, vol.33, no.6, pp.850-856, 2015 (Journal Indexed in SCI)
- XXXIII. **Immobilization of alpha-amylase onto poly(glycidyl methacrylate) grafted electrospun fibers by ATRP**
Oktay B., Demir S., Kayaman Apohan N.
MATERIALS SCIENCE & ENGINEERING C-MATERIALS FOR BIOLOGICAL APPLICATIONS, vol.50, pp.386-393, 2015 (Journal Indexed in SCI)
- XXXIV. **Preparation and characterization of modified nanosilica/PNIPAm hybrid cryogels**
Dogru O., ABDURRAHMANOĞLU S., KAYAMAN APOHAN N.

- POLYMER BULLETIN, vol.72, no.5, pp.993-1005, 2015 (Journal Indexed in SCI)
- XXXV. **Synthesis and fuel cell characterization of blend membranes from phenyl phosphine oxide containing flourinated novel polymers**
Seden M. G. , Basturk E., Inan T. Y. , KAYAMAN APOHAN N., Gungor A.
JOURNAL OF POWER SOURCES, vol.271, pp.465-479, 2014 (Journal Indexed in SCI)
- XXXVI. **Preparation and characterization of novel thermoset polyimide and polyimide-peo doped with LiCF₃SO₃**
Ugur M. H. , Toker R. D. , Kayaman-Apohan N., Gungor A.
EXPRESS POLYMER LETTERS, vol.8, no.2, pp.123-132, 2014 (Journal Indexed in SCI)
- XXXVII. **Polydimethylsiloxane (PDMS)-based antibacterial organic-inorganic hybrid coatings**
OKTAY B., KAYAMAN APOHAN N.
JOURNAL OF COATINGS TECHNOLOGY AND RESEARCH, vol.10, no.6, pp.785-798, 2013 (Journal Indexed in SCI)
- XXXVIII. **UV-curable nano-silver containing polyurethane based organic-inorganic hybrid coatings**
Toker R. D. , Kayaman-Apohan N., Kahraman M. V.
PROGRESS IN ORGANIC COATINGS, vol.76, no.9, pp.1243-1250, 2013 (Journal Indexed in SCI)
- XXXIX. **Highly porous starch/poly(ethylene-alt-maleic anhydride) composite nanofiber mesh**
OKTAY B., Basturk E., KAYAMAN APOHAN N., KAHRAMAN M. V.
POLYMER COMPOSITES, vol.34, no.8, pp.1321-1324, 2013 (Journal Indexed in SCI)
- XL. **Synthesis and drug-release properties of biodegradable hydrogels having beta-cyclodextrin**
KAYAMAN APOHAN N., Akyurek E.
POLYMER BULLETIN, vol.70, no.8, pp.2151-2167, 2013 (Journal Indexed in SCI)
- XLI. **Fabrication of PLGA Based Tissue Engineering Scaffolds via Photocuring and Salt Leaching Techniques**
Cicek C., ÇAKMAKÇI E., KAYAMAN APOHAN N., Arslan M., Kuruca S. E.
INTERNATIONAL JOURNAL OF POLYMERIC MATERIALS AND POLYMERIC BIOMATERIALS, vol.62, no.14, pp.719-725, 2013 (Journal Indexed in SCI)
- XLII. **UV cured thiol-ene flame retardant hybrid coatings**
Basturk E., OKTAY B., KAHRAMAN M. V. , KAYAMAN APOHAN N.
PROGRESS IN ORGANIC COATINGS, vol.76, no.6, pp.936-943, 2013 (Journal Indexed in SCI)
- XLIII. **Maleimide Containing UV-Cured Hybrid Coatings**
OKTAY B., KAYAMAN APOHAN N.
ADVANCES IN POLYMER TECHNOLOGY, vol.32, no.2, 2013 (Journal Indexed in SCI)
- XLIV. **Synthesis of 4-Acryloylmorpholine- based Hydrogels and Investigation of their Drug Release Behaviors**
Efe H., Bicen M., KAHRAMAN M. V. , KAYAMAN APOHAN N.
JOURNAL OF THE BRAZILIAN CHEMICAL SOCIETY, vol.24, no.5, pp.814-820, 2013 (Journal Indexed in SCI)
- XLV. **Nonisocyanate polyurethane/silica hybrid coatings via a sol-gel route**
Hosgor Z., Kayaman-Apohan N., Karatas S., Gungor A., Menciloglu Y.
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