

# Prof. NİLHAN KAYAMAN APOHAN

## Personal Information

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## 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 (Y) (Tezli), Turkey 1994 - 1998

Post Graduate, İstanbul Teknik Üniversitesi, Fen Bilimleri Enstitüsü, Kimyagerlik (Y) (Tezli), Turkey 1992 - 1994

Under Graduate, 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 (Y) (Tezli), 1998

Post Graduate, Piridinyum tuzlarının serbest radikal fotobazlatıcı olarak kullanımı, İstanbul Teknik Üniversitesi, Fen Bilimleri Enstitüsü, Kimyagerlik (Y) (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

## Professional Experience

Head of Department, Marmara University, Faculty of Arts and Sciences, Chemistry, 2015 - Continues

Vice Dean, Marmara University, Faculty of Arts and Sciences, 2013 - 2016

Head of Department, Marmara University, Faculty of Arts and Sciences, Chemistry, 2012 - 2015

Deputy Head of Department, Marmara University, Faculty of Arts and Sciences, Chemistry, 2010 - 2012

## Courses

Polymer Chemistry, Under Graduate, 2018 - 2019

Polymer Photochemistry, Post Graduate, 2018 - 2019

Polymer Chemistry and applications, Under Graduate, 2018 - 2019

Introduction to Polymer Chemistry, Under Graduate, 2018 - 2019

Synthetic Biopolymers, Doctorate, 2018 - 2019

Polymer Characterization, Post Graduate, 2018 - 2019

Fundamentals of Polymer Chemistry, Post Graduate, 2018 - 2019

## Advising Theses

Oktay B., Kayaman Apohan N., İyonik Sıvı Destekli PVDF Polielektrolitlerin Kontrollü Polimerizasyon ile Hazırlanması ve Karakterizasyonu, Post Graduate, B.Bekdaş(Student), Continues

Oktay B., Kayaman Apohan N., Çekirdek Kabuk Tipi Poliakrilat Hidroksi Apatit İlaç Taşıyıcıların Kontrollü Polimerizasyon ile Sentezi ve Karakterizasyon Çalışmaları, Post Graduate, G.Koçal(Student), Continues

Madakbaş S., Kayaman Apohan N., KENDİ KENDİNİ ONARABİLEN POLİÜRETAN NANOKOMPOZİT KAPLAMALARIN SENTEZİ VE KARAKTERİZASYONU, Post Graduate, 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., POLİMİD ESASLI YÜKSEK PERFORMANSLI YENİ POLİMERLERİN SENTEZİ VE UYGULAMALARI, Doctorate, R.DENİZ(Student), 2016

KAYAMAN APOHAN N., KAHRAMAN M. V. , Moleküler baskılanmış polimer nanopartiküllerin sentezi ve karakterizasyonu, Post Graduate, M.YAŞAR(Student), 2016

KAYAMAN APOHAN N., Kitosan-ko-Hyaluronik asit kriyojellerinin hazırlanması ve karakterizasyonu, Post Graduate, T.KUTLUSOY(Student), 2016

KAYAMAN APOHAN N., Yüksek performanslı poliiimid nanofiberlerin hazırlanması ve lityum iyon pillerde elektrolit olarak kullanımı, Post Graduate, E.AYTAN(Student), 2016

KAYAMAN APOHAN N., Elektrosin tekniği ile hazırlanan biyopolimer nanofiberlerin yüzey modifikasyonları ve uygulamaları, Doctorate, B.OKTAY(Student), 2015

KAYAMAN APOHAN N., Yüksek performanslı poliiimid ve dolgu malzemeleri takviyeli polimer türevlerinin sentezi, karakterizasyonu ve membran teknolojisindeki uygulamaları, Doctorate, M.BİÇEN(Student), 2015

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

KAYAMAN APOHAN N., Manyetik nanopartikül içeren biyoparçalanabilen ilaç salınım sistemlerinin sentezi ve karakterizasyonu, Post Graduate, T.BİÇER(Student), 2014

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

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

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

KAYAMAN APOHAN N., KAHRAMAN M. V. , 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, Post

Graduate, Ç.ÇİÇEK(Student), 2012

KAYAMAN APOHAN N., Gümüş nanoparçacıkları içeren antimikrobiyal organik-inorganik hibrit kaplamaların hazırlanması ve karakterizasyonu, Post Graduate, 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., Termoplastik polyester elastomerlerin sentezi ve karakterizasyonu, Post Graduate, Ş.PAÇA(Student), 2011

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

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

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

KAYAMAN APOHAN N., Uv ışınları ile sertleşebilen aşınma ve yanma dayanımlı, nanokompozit kaplamaların hazırlanması ve antimikrobiyal özelliklerinin incelenmesi, Post Graduate, 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 performansının incelenmesi, Post Graduate, D.İŞİN(Student), 2008

KAYAMAN APOHAN N., Maleid imid modifiye reçinelerin sentezi ve kaplama uygulamaları, Post Graduate, Z.AL TINTAŞ(Student), 2008

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

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

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

KAYAMAN APOHAN N., Suda az çözünen ilaçların siklodekstrin modifiye hidrojenlerle taşınımı, Post Graduate, N.BORA(Student), 2006

KAYAMAN APOHAN N., Cam küre, CaCO<sub>3</sub> ve talk dolgulu polipropilen hibrit konpozitlerin mekanik ve fiziksel özelliklerinin incelenmesi, Post Graduate, Y.KANSU(Student), 2005

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

KAYAMAN APOHAN N., UV-ışınları ile sertleşebilen fosfin oksit bazlı reçinelerin sentezi, karakterizasyonu ve sol-jel kaplamalarda kullanımı, Post Graduate, 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, Post Graduate, M.KUĞU(Student), 2004

KAYAMAN APOHAN N., L-Laktik asit, glikolik asit ve 2,2'-bis(hidroksimetil propionik asit) içeren terpolimerlerinin sentezi ve karakterizasyonu, Post Graduate, E.ÖZALTIN(Student), 2003

KAYAMAN APOHAN N., UV-ışınları ile sertleşebilen akrilat/vinil eter bazlı iç içe girmiş polimerik ağ yapıların (IPN) sentezi ve karakterizasyonu, Post Graduate, R.DEMİRCİ(Student), 2003

KAYAMAN APOHAN N., UV-ışınları ile sertleşebilen siloksan içeren vinil eter bazlı reçinelerin sentezi ve karakterizasyonu, Post Graduate, F.BETÜL(Student), 2003

## Program Developments

Kayaman Apohan N., Masters With Thesis, Polymer Science and Technology Graduate Program, 2017 - Continues

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

- 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)

- **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, pp.947-955, 2019 (Journal Indexed in SCI Expanded)
- **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, pp.2013-2025, 2019 (Journal Indexed in SCI)
- **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)
- **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, pp.6055-6059, 2019 (Journal Indexed in SCI)
- **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, pp.5110-5115, 2019 (Journal Indexed in SCI)
- **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)
- **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, pp.1356-1365, 2018 (Journal Indexed in SCI)
- **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, pp.1346-1352, 2018 (Journal Indexed in SCI)
- **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, pp.113-124, 2018 (Journal Indexed in SCI)
- **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)
- **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)
- **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)
- **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)
- **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, pp.1951-1960, 2017 (Journal Indexed in SCI)

- **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)
- **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, pp.2217-2244, 2017 (Journal Indexed in SCI)
- **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)
- **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, pp.960-972, 2016 (Journal Indexed in SCI)
- **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, pp.272-277, 2015 (Journal Indexed in SCI)
- **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)
- **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, pp.3097-3107, 2015 (Journal Indexed in SCI)
- **Superhydrophobic behavior of polyimide-siloxane mats produced by electrospinning**  
OKTAY B., Toker R. D. , KAYAMAN APOHAN N.  
POLYMER BULLETIN, vol.72, pp.2831-2842, 2015 (Journal Indexed in SCI)
- **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)
- **Thioether functional chain extender for thermoplastic polyurethanes**  
Altintas Z., ÇAKMAKÇI E., KAHRAMAN M. V. , KAYAMAN APOHAN N.  
CHINESE JOURNAL OF POLYMER SCIENCE, vol.33, pp.850-856, 2015 (Journal Indexed in SCI)
- **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)
- **Preparation and characterization of modified nanosilica/PNIPAm hybrid cryogels**  
Dogru O., ABDURRAHMANOĞLU S., KAYAMAN APOHAN N.  
POLYMER BULLETIN, vol.72, pp.993-1005, 2015 (Journal Indexed in SCI)
- **Synthesis and fuel cell characterization of blend membranes from phenyl phosphine oxide containing fluorinated 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)
- **Preparation and characterization of novel thermoset polyimide and polyimide-peo doped with LiCF<sub>3</sub>SO<sub>3</sub>**  
Ugur M. H. , Toker R. D. , Kayaman-Apohan N., Gungor A.  
EXPRESS POLYMER LETTERS, vol.8, pp.123-132, 2014 (Journal Indexed in SCI)
- **Polydimethylsiloxane (PDMS)-based antibacterial organic-inorganic hybrid coatings**  
OKTAY B., KAYAMAN APOHAN N.

JOURNAL OF COATINGS TECHNOLOGY AND RESEARCH, vol.10, pp.785-798, 2013 (Journal Indexed in SCI)

- **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, pp.1243-1250, 2013 (Journal Indexed in SCI)
- **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, pp.1321-1324, 2013 (Journal Indexed in SCI)
- **Synthesis and drug-release properties of biodegradable hydrogels having beta-cyclodextrin**  
KAYAMAN APOHAN N., Akyurek E.  
POLYMER BULLETIN, vol.70, pp.2151-2167, 2013 (Journal Indexed in SCI)
- **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, pp.719-725, 2013 (Journal Indexed in SCI)
- **Maleimide Containing UV-Cured Hybrid Coatings**  
OKTAY B., KAYAMAN APOHAN N.  
ADVANCES IN POLYMER TECHNOLOGY, vol.32, 2013 (Journal Indexed in SCI)
- **UV cured thiol-ene flame retardant hybrid coatings**  
Basturk E., OKTAY B., KAHRAMAN M. V. , KAYAMAN APOHAN N.  
PROGRESS IN ORGANIC COATINGS, vol.76, pp.936-943, 2013 (Journal Indexed in SCI)
- **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, pp.814-820, 2013 (Journal Indexed in SCI)
- **Nonisocyanate polyurethane/silica hybrid coatings via a sol-gel route**  
Hosgor Z., Kayaman-Apohan N., Karatas S., Gungor A., Menciloglu Y.  
ADVANCES IN POLYMER TECHNOLOGY, vol.31, pp.390-400, 2012 (Journal Indexed in SCI)
- **Preparation of bow tie-type methacrylated poly(caprolactone-co-lactic acid) scaffolds: effect of collagen modification on cell growth**  
BAYRAMOĞLU G., KAYAMAN APOHAN N., KAHRAMAN M. V. , Karadenizli S., Kuruca S. E. , Gungor A.  
POLYMERS FOR ADVANCED TECHNOLOGIES, vol.23, pp.1403-1413, 2012 (Journal Indexed in SCI)
- **The effect of titania content on the physical properties of polyimide/titania nanohybrid films**  
Kizilkaya C., DUMLU DAĞ F., KARATAŞ S., KAYAMAN APOHAN N., Altindal A., Gungor A.  
JOURNAL OF APPLIED POLYMER SCIENCE, vol.125, pp.3802-3810, 2012 (Journal Indexed in SCI)
- **Preparation and characterization of boron containing thiol-ene photocured hybrid coatings**  
ÇAKMAKÇI E., Mulazim Y., KAHRAMAN M. V. , KAYAMAN APOHAN N.  
PROGRESS IN ORGANIC COATINGS, vol.75, pp.28-32, 2012 (Journal Indexed in SCI)
- **Preparation and drug release properties of lignin-starch biodegradable films**  
Calgeris I., ÇAKMAKÇI E., OGAN A., KAHRAMAN M. V. , KAYAMAN APOHAN N.  
STARCH-STARKE, vol.64, pp.399-407, 2012 (Journal Indexed in SCI)
- **Synthesis and characterization of polyimide/hexagonal boron nitride composite**  
Kizilkaya C., Mulazim Y., KAHRAMAN M. V. , KAYAMAN APOHAN N., Gungor A.  
JOURNAL OF APPLIED POLYMER SCIENCE, vol.124, pp.706-712, 2012 (Journal Indexed in SCI)
- **Cell Growth on In Situ Photo-Cross-Linked Electrospun Acrylated Cellulose Acetate Butyrate**  
ÇAKMAKÇI E., Gungor A., KAYAMAN APOHAN N., Kuruca S. E. , Cetin M. B. , Dar K. A.  
JOURNAL OF BIOMATERIALS SCIENCE-POLYMER EDITION, vol.23, pp.887-899, 2012 (Journal Indexed in SCI)
- **Preparation, characterization and drug release behavior of poly(acrylic acid-co-2-hydroxyethyl methacrylate-co-2-acrylamido-2-methyl-1-propanesulfonic acid) microgels**  
Nart Z., KAYAMAN APOHAN N.  
JOURNAL OF POLYMER RESEARCH, vol.18, pp.869-874, 2011 (Journal Indexed in SCI)
- **Thermal and neutron shielding properties of B-10 containing UV cured hybrid coatings**  
Mulazim Y., KAHRAMAN M. V. , KAYAMAN APOHAN N.  
JOURNAL OF SOL-GEL SCIENCE AND TECHNOLOGY, vol.59, pp.613-620, 2011 (Journal Indexed in SCI)
- **Preparation of photocurable silica-titania hybrid coatings by an anhydrous sol-gel process**

- Altintas Z., Cakmakci E., Kahraman M. V. , Apohan N., Gungor A.  
JOURNAL OF SOL-GEL SCIENCE AND TECHNOLOGY, vol.58, pp.612-618, 2011 (Journal Indexed in SCI)
- **Preparation of fluorine containing hybrid coatings: investigation of coating performance onto ABS and PMMA substrates**  
KAHRAMAN M. V. , Akdemir Z. S. , Kartal I., KAYAMAN APOHAN N., Gungor A.  
POLYMERS FOR ADVANCED TECHNOLOGIES, vol.22, pp.981-986, 2011 (Journal Indexed in SCI)
  - **Preparation and Characterization of UV-Curable, Boron-Containing, Transparent Hybrid Coatings**  
Mulazim Y., KAHRAMAN M. V. , KAYAMAN APOHAN N., Kiziltas S., Gungor A.  
JOURNAL OF APPLIED POLYMER SCIENCE, vol.120, pp.2112-2121, 2011 (Journal Indexed in SCI)
  - **Synthesis and characterization of UV-curable phosphorus containing hybrid materials prepared by sol-gel technique**  
KARATAŞ S., KAYAMAN APOHAN N., Turunc O., Gungor A.  
POLYMERS FOR ADVANCED TECHNOLOGIES, vol.22, pp.567-576, 2011 (Journal Indexed in SCI)
  - **The maleimide modified epoxy resins for the preparation of UV-curable hybrid coatings**  
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