

# Prof. NİLHAN KAYAMAN APOHAN

## Personal Information

**Email:** napohan@marmara.edu.tr

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

## International Researcher IDs

ScholarID: 9E60-M8AAAAJ

ORCID: 0000-0002-7750-3058

Yoksis Researcher ID: 5369

## 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, Istanbul Technical University, Fen Bilimleri Enstitüsü, Kimyagerlik (YI) (Tezli), Turkey 1994 - 1998

Postgraduate, Istanbul Technical University, 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., Enerji Depolama Sistemleri için Fonksiyonel Nano-yapıların Tasarımı, Postgraduate, İ.Cenik(Student), Continues  
Kayaman Apohan N., Poliaspartik Esterler ile Biobazlı Poliürea Kaplamaların Sentezi ve Karakterizasyonu, Doctorate, S.Dural(Student), Continues  
Kayaman Apohan N., Kendi kendini onarabilen yara örtücü biyomalzemelerin geliştirilmesi, Doctorate, M.YAŞAR(Student), 2023  
Kayaman Apohan N., Kazan D., Biyobozunur Bakteriyel Selüloz-Hyalüronik Asit Doku İskelelerinin Çıt-Çıt Reaksiyonları ile Sentezi ve Uygulamaları, Postgraduate, Ş.Turan(Student), 2022  
Kayaman Apohan N., Biyo-esaslı epoksi-nanokompozit kaplamalar, Postgraduate, S.ERAL(Student), 2022  
Oktay B., Kayaman Apohan N., İyonik Sıvı Destekli PVDF Polielektrolitlerin Kontrollü Polimerizasyon ile Hazırlanması ve Karakterizasyonu, Postgraduate, B.Bekdaş(Student), 2021  
Oktay B., Kayaman Apohan N., Çekirdek Kabuk Tipi Poliakrilat Hidroksi Apatit İlaç Taşıyıcıların Kontrollü Polimerizasyon ile Sentezi ve Karakterizasyon Çalışmaları, Postgraduate, G.Koçal(Student), 2020  
Kayaman Apohan N., Sentez gazından hafif olefin üretimine yönelik inorganik ve polimerik destekli demir ve demir borid katalizörlerin geliştirilmesi, Postgraduate, M.TUPTUP(Student), 2020  
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., POLİİMİD ESASLI YÜKSEK PERFORMANSLI YENİ POLİMERLERİN SENTEZİ VE UYGULAMALARI, Doctorate, R.DENİZ(Student), 2016

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

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

KAYAMAN APOHAN N., Kitosan-ko-Hyaluronik asit kriyojellerinin hazırlanması ve karakterizasyonu, Postgraduate, T.KUTLUSOY(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., Elektrospın tekniği ile hazırlanan biyopolimer nanoliflerin yüzey modifikasyonları ve uygulamaları, Doctorate, B.OKTAY(Student), 2015

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

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

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

KAYAMAN APOHAN N., Karbon nanotüp içeren UV ışınlarıyla kürlenmiş nanokompozit kaplamalar, Postgraduate, K.İLGÜN(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, Postgraduate, Ç.ÇİÇEK(Student), 2012

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

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

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

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

KAYAMAN APOHAN N., Apohan N., Protein konjügasyonu yeni bir formülasyon çalışması, Postgraduate, F.Özyürek(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., B-siklodekstrin içeren biyobozunur hidrojenlerin sentezi ve ilaç salım özelliklerinin incelenmesi, Postgraduate, E.AKYÜREK(Student), 2010

KAYAMAN APOHAN N.,  $\beta$ - siklodekstrin içeren biyobozunur hidrojenlerin sentezi ve ilaç salım özelliklerinin incelenmesi, Postgraduate, E.Akyürek(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., İnvrs-süspansiyon polimerizasyonu yöntemiyle sentezlenen mikrokürelerin karakterizasyonu ve ilaç salınımı çalışmaları, Postgraduate, Z.NART(Student), 2008

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

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

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

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

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

Apohan K., Poliüretan/silika nanokompozitler ve kaplama performanslarının incelenmesi, Postgraduate, O.Türünç(Student), 2007

KAYAMAN APOHAN N., UV ısınları 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 hidrojeller 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, CaCO<sub>3</sub> ve talk dolgulu polipropilen hibrit kompozitlerin mekanik ve fiziksel özelliklerinin incelenmesi, Postgraduate, Y.Kansu(Student), 2005

KAYAMAN APOHAN N., Cam küre, CaCO<sub>3</sub> 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., UV-ışınları ile sertleşebilen akrilat/vinil eter bazlı iç içe girmiş polimerik ağ yapıların (IPN) sentezi ve karakterizasyonu, Postgraduate, R.DEMİRCİ(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 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

## Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Preparation of organic-inorganic bio-based epoxy coatings with high anti-corrosive performance**  
Eral S., OKTAY B., Dizman C., KAYAMAN APOHAN N.  
Polymer Bulletin, vol.81, no.8, pp.6873-6890, 2024 (SCI-Expanded)
- II. **Development of Bacterial Cellulose-Hyaluronic Acid Multicomponent Hydrogels via Click Chemistry for Biomedical Applications**  
Kayaman Apohan N., Oktay B., Kazan D., Okulmuş Turan Ş.  
POLYMER SCIENCE - SERIES A, vol.65, no.6, pp.682-691, 2024 (SCI-Expanded)
- III. **Improving the mechanical, thermal and surface properties of polyaspartic ester bio-based polyurea coatings by incorporating silica and titania**

Dural S., Camadanlı S., Kayaman Apohan N.

Materials Today Communications, vol.38, 2024 (SCI-Expanded)

- IV. **Salt Spray Resistant Acrylic Copolymers Containing Bio-based Cardanol Molecules with Hybrid Thermoplastic-Thermoset Characteristics**  
Dizman C., Eral S., Babayiğit L., KAYAMAN APOHAN N.  
Journal of Polymers and the Environment, 2024 (SCI-Expanded)
- V. **Effect of quince seed gum (QSG) on the performance of injectable hyaluronic acid hydrogels in terms of the rheological, morphological, and mechanical aspect**  
Kolay S., KAYAMAN APOHAN N., Babuç E., Gün G.  
Turkish Journal of Chemistry, vol.48, no.3, pp.422-435, 2024 (SCI-Expanded)
- VI. **Vegetable oil-based epoxy coating materials for self-healing and anticorrosive applications**  
Oktay B., Türkcan J. H., Özdemir O. K., Kayaman Apohan N.  
Macromolecular Research, vol.31, no.11, pp.1077-1086, 2023 (SCI-Expanded)
- VII. **Molecular weight controlled sulfonated Poly(Arylene Ether)s and sulfonated Poly(Ether Ether ketone) polymer blends for fuel cell applications**  
Seden M. G., Baştürk E., İnan T. Y., Kayaman Apohan N., Güngör A.  
International Journal of Hydrogen Energy, vol.48, no.85, pp.33297-33314, 2023 (SCI-Expanded)
- VIII. **Development of self-healing vanillin/PEI hydrogels for tissue engineering**  
Yasar M., Oktay B., Dal Yontem F., Haciosmanoglu Aldogan E., Kayaman Apohan N.  
European Polymer Journal, vol.188, 2023 (SCI-Expanded)
- IX. **Molecularly imprinted nanoparticles with recognition properties towards diphtheria toxin for ELISA applications**  
Alkanlı S. S., Dal Yöntem F., Yaşar M., Güven C., Kahraman M. V., Kayaman Apohan N., Aktaş Z., Öncül M. O., Ünlü A., Akçakaya H.  
JOURNAL OF BIOMATERIALS SCIENCE-POLYMER EDITION, vol.34, no.6, pp.753-767, 2023 (SCI-Expanded)
- X. **Poly(lactic acid) nanofibers containing phosphorylcholine grafts for transdermal drug delivery systems**  
OKTAY B., Eroglu G. O., DEMİR S., KURUCA D. S., KAYAMAN APOHAN N.  
MATERIALS TODAY SUSTAINABILITY, vol.18, 2022 (SCI-Expanded)
- XI. **Isosorbide, pyrogallol, and limonene-containing thiol-ene photocured bio-based organogels for the cleaning of artworks**  
Cakmak Y., Çakmakçı E., Kayaman Apohan N., Karadag R.  
JOURNAL OF CULTURAL HERITAGE, vol.55, pp.391-398, 2022 (SCI-Expanded)
- XII. **Biodegradable Polyurethane Solid-Solid Phase Change Materials**  
Oktay B., Kayaman Apohan N.  
ChemistrySelect, vol.6, no.24, pp.6280-6285, 2021 (SCI-Expanded)
- XIII. **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-Sarioğlan S., Unveren E., Atac O., Sarioğlan A.  
REACTION KINETICS MECHANISMS AND CATALYSIS, vol.132, pp.695-715, 2021 (SCI-Expanded)
- XIV. **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 (SCI-Expanded)
- XV. **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 (SCI-Expanded)
- XVI. **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 (SCI-Expanded)

- XVII. 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 (SCI-Expanded)
- XVIII. 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 (SCI-Expanded)
- XIX. 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 (SCI-Expanded)
- XX. 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 (SCI-Expanded)
- XXI. 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 (SCI-Expanded)
- XXII. 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 (SCI-Expanded)
- XXIII. 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 (SCI-Expanded)
- XXIV. 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 (SCI-Expanded)
- XXV. 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 (SCI-Expanded)
- XXVI. 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 (SCI-Expanded)
- XXVII. 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 (SCI-Expanded)
- XXVIII. 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 (SCI-Expanded)
- XXIX. 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 (SCI-Expanded)
- XXX. 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 (SCI-Expanded)

- XXXI. **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 (SCI-Expanded)
- XXXII. **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 (SCI-Expanded)
- XXXIII. **Preparation and modification of polyethersulfone-based hybrid materials**  
OKTAY B., Baştürk E., KAHRAMAN M. V., KAYAMAN APOHAN N.  
Spe Journal, 2018 (SCI-Expanded)
- XXXIV. **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 (SCI-Expanded)
- XXXV. **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 (SCI-Expanded)
- XXXVI. **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 (SCI-Expanded)
- XXXVII. **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 (SCI-Expanded)
- XXXVIII. **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 (SCI-Expanded)
- XXXIX. **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 (SCI-Expanded)
- XL. **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 (SCI-Expanded)
- XLI. **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 (SCI-Expanded)
- XLII. **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 (SCI-Expanded)
- XLIII. **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 (SCI-Expanded)
- XLIV. **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 (SCI-Expanded)
- XLV. **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 (SCI-Expanded)
- XLVI. **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 (SCI-Expanded)
- XLVII. **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 (SCI-Expanded)
- XLVIII. **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 (SCI-Expanded)
- XLIX. **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 (SCI-Expanded)
- L. **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 (SCI-Expanded)
- LI. **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 (SCI-Expanded)
- LII. **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 (SCI-Expanded)
- LIII. **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 (SCI-Expanded)
- LIV. **Maleimide Containing UV-Cured Hybrid Coatings**  
OKTAY B., KAYAMAN APOHAN N.  
ADVANCES IN POLYMER TECHNOLOGY, vol.32, no.2, 2013 (SCI-Expanded)
- LV. **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 (SCI-Expanded)
- LVI. **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 (SCI-Expanded)
- LVII. **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, no.4, pp.390-400, 2012 (SCI-Expanded)
- LVIII. **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, no.10, pp.1403-1413, 2012 (SCI-Expanded)
- LIX. **The effect of titania content on the physical properties of polyimide/titania nanohybrid films**  
Kizilkaya C., DUMLUDAĞ F., KARATAŞ S., KAYAMAN APOHAN N., Altindal A., Gungor A.  
JOURNAL OF APPLIED POLYMER SCIENCE, vol.125, no.5, pp.3802-3810, 2012 (SCI-Expanded)
- LX. **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 (SCI-Expanded)
- LXI. **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, no.5, pp.399-407, 2012 (SCI-Expanded)
- LXII. **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, no.1, pp.706-712, 2012 (SCI-Expanded)
- LXIII. **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, no.7, pp.887-899, 2012 (SCI-Expanded)
- LXIV. **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, no.5, pp.869-874, 2011 (SCI-Expanded)
- LXV. **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, no.3, pp.613-620, 2011 (SCI-Expanded)
- LXVI. **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, no.6, pp.981-986, 2011 (SCI-Expanded)
- LXVII. **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, no.3, pp.612-618, 2011 (SCI-Expanded)
- LXVIII. **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, no.4, pp.2112-2121, 2011 (SCI-Expanded)
- LXIX. **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, no.5, pp.567-576, 2011 (SCI-Expanded)
- LXX. **The maleimide modified epoxy resins for the preparation of UV-curable hybrid coatings**  
Altintas Z., KARATAŞ S., KAYAMAN APOHAN N., Gungor A.  
POLYMERS FOR ADVANCED TECHNOLOGIES, vol.22, no.2, pp.270-278, 2011 (SCI-Expanded)
- LXXI. **Preparation of Biocompatible, UV-Cured Fumarated Poly(ether-ester)-Based Tissue-Engineering Hydrogels**  
Akdemir Z. S., Kayaman-Apohan N., KAHRAMAN M. V., Kuruca S. E., Gungor A., Karadenizli S.  
JOURNAL OF BIOMATERIALS SCIENCE-POLYMER EDITION, vol.22, no.7, pp.857-872, 2011 (SCI-Expanded)
- LXXII. **Preparation and characterization of UV-curable polymeric support for covalent immobilization of xylanase enzyme**  
Akdemir Z. S., DEMİR S., KAHRAMAN M. V., Apohan N.  
JOURNAL OF MOLECULAR CATALYSIS B-ENZYMATIC, vol.68, no.1, pp.104-108, 2011 (SCI-Expanded)
- LXXIII. **Flame retardant thiol-ene photocured coatings**  
ÇAKMAKÇI E., Mulazim Y., KAHRAMAN M. V., Apohan N.  
REACTIVE & FUNCTIONAL POLYMERS, vol.71, no.1, pp.36-41, 2011 (SCI-Expanded)

- LXXIV. **Preparation and characterization of phosphine oxide based polyurethane/silica nanocomposite via non-isocyanate route**  
Hosgor Z., Kayaman-Apohan N., KARATAŞ S., Menciloglu Y., Gungor A.  
PROGRESS IN ORGANIC COATINGS, vol.69, no.4, pp.366-375, 2010 (SCI-Expanded)
- LXXV. **Synthesis and Characterization of Novel Polyimide/SiO<sub>2</sub> Nanocomposite Materials Containing Phenylphosphine Oxide via Sol-Gel Technique**  
Kizilkaya C., KARATAŞ S., Apohan N., Guengoer A.  
JOURNAL OF APPLIED POLYMER SCIENCE, vol.115, no.6, pp.3256-3264, 2010 (SCI-Expanded)
- LXXVI. **Preparation and characterization of photopolymerizable organic-inorganic hybrid materials by the sol-gel method**  
KARATAŞ S., Hosgor Z., Apohan N., Gungor A.  
JOURNAL OF POLYMER RESEARCH, vol.17, no.2, pp.247-254, 2010 (SCI-Expanded)
- LXXVII. **Preparation of collagen modified photopolymers: a new type of biodegradable gel for cell growth**  
Bayramoglu G., KAYAMAN APOHAN N., Akcakaya H., KAHRAMAN M. V., Kuruca S. E., Gungor A.  
JOURNAL OF MATERIALS SCIENCE-MATERIALS IN MEDICINE, vol.21, no.2, pp.761-775, 2010 (SCI-Expanded)
- LXXVIII. **Removal of Lead and Cadmium Ions from Aqueous Solutions Using Sulphur and Oxygen Donor Ligand Bearing Hydrogels**  
Firlak M., KÖK YETİMOĞLU E., KAHRAMAN M. V., KAYAMAN APOHAN N., DENİZ S.  
SEPARATION SCIENCE AND TECHNOLOGY, vol.45, no.1, pp.116-128, 2010 (SCI-Expanded)
- LXXIX. **Synthesis of fluorinated/methacrylated epoxy based oligomers and investigation of its performance in the UV curable hybrid coatings**  
KAHRAMAN M. V., Bayramoglu G., BOZTOPRAK Y., Gungor A., KAYAMAN APOHAN N.  
PROGRESS IN ORGANIC COATINGS, vol.66, no.1, pp.52-58, 2009 (SCI-Expanded)
- LXXX. **UV curable sulfonated hybrid materials and their performance as proton exchange membranes**  
Gurtekin M., Kayaman-Apohan N., Kahraman M. V., Menciloglu Y., Gungor A.  
REACTIVE & FUNCTIONAL POLYMERS, vol.69, no.9, pp.698-704, 2009 (SCI-Expanded)
- LXXXI. **Preparation and characterization of UV-curable epoxy/silica nanocomposite coatings**  
Isin D., KAYAMAN APOHAN N., Gungor A.  
PROGRESS IN ORGANIC COATINGS, vol.65, no.4, pp.477-483, 2009 (SCI-Expanded)
- LXXXII. **Preparation and characterization of phosphine oxide containing organosilica hybrid coatings by photopolymerization and sol-gel process**  
KARATAŞ S., Hosgor Z., KAYAMAN APOHAN N., Gungor A.  
PROGRESS IN ORGANIC COATINGS, vol.65, no.1, pp.49-55, 2009 (SCI-Expanded)
- LXXXIII. **Immobilization of alpha-amylase onto cyclic carbonate bearing hybrid material**  
Turunc O., KAHRAMAN M. V., Akdemir Z. S., KAYAMAN APOHAN N., Gungor A.  
FOOD CHEMISTRY, vol.112, no.4, pp.992-997, 2009 (SCI-Expanded)
- LXXXIV. **Sulfathiazole-based novel UV-cured hydrogel sorbents for mercury removal from aqueous solutions**  
KÖK YETİMOĞLU E., KAHRAMAN M. V., Bayramoglu G., Ercan O., KAYAMAN APOHAN N.  
RADIATION PHYSICS AND CHEMISTRY, vol.78, no.2, pp.92-97, 2009 (SCI-Expanded)
- LXXXV. **FUMARATED POLY ETHER-ESTER HYDROGELS THAT SUPPORT OSTEOBLAST VIABILITY, ATTACHMENT AND PROLIFERATION**  
Kuruca S. E., Akdemir S., KAYAMAN APOHAN N., Kahraman V., Akgun K. D., Gungor A., Cetin B. M., Karadenizli S.  
JOURNAL OF PHYSIOLOGICAL SCIENCES, vol.59, pp.440, 2009 (SCI-Expanded)
- LXXXVI. **Preparation and characterization of light curable hybrid coating: Its potential application for dental restorative material**  
Guengoer A., KAYAMAN APOHAN N., Mert A., KAHRAMAN M. V.  
JOURNAL OF POLYMER RESEARCH, vol.15, no.5, pp.389-395, 2008 (SCI-Expanded)
- LXXXVII. **Photopolymerized injectable RGD-modified fumarated poly(ethylene glycol) diglycidyl ether hydrogels for cell growth**  
Akdemir Z. S., Akcakaya H., KAHRAMAN M. V., Ceyhan T., KAYAMAN APOHAN N., Gungor A.  
MACROMOLECULAR BIOSCIENCE, vol.8, no.9, pp.852-862, 2008 (SCI-Expanded)

- LXXXVIII. **Nonisocyanate based polyurethane/silica nanocomposites and their coating performance**  
Tueruenc O, KAYAMAN APOHAN N., KAHRAMAN M. V., Menciloglu Y., Guengoer A.  
JOURNAL OF SOL-GEL SCIENCE AND TECHNOLOGY, vol.47, no.3, pp.290-299, 2008 (SCI-Expanded)
- LXXXIX. **Analysis of degradation failure of poly L-lactic acid fixators used in meniscus tears**  
Ceyhan T., Asik M., Atalar A. C., KAYAMAN APOHAN N.  
ACTA ORTHOPAEDICA ET TRAUMATOLOGICA TURCICA, vol.42, no.4, pp.284-288, 2008 (SCI-Expanded)
- XC. **Preparation, characterization, and drug release properties of poly(2-hydroxyethyl methacrylate) hydrogels having beta-cyclodextrin functionality**  
DEMİR S., KAHRAMAN M. V., Bora N., KAYAMAN APOHAN N., OGAN A.  
JOURNAL OF APPLIED POLYMER SCIENCE, vol.109, no.2, pp.1360-1368, 2008 (SCI-Expanded)
- XC.I. **Phosphorus-containing sulfonated polyimides for proton exchange membranes**  
Cakir M., Karataş S., Menciloglu Y., Kayaman Apohan N., Guengoer A.  
MACROMOLECULAR CHEMISTRY AND PHYSICS, vol.209, pp.919-929, 2008 (SCI-Expanded)
- XC.II. **In situ formed silica nanofiber reinforced UV-curable phenylphosphine oxide containing coatings**  
KAYAMAN APOHAN N., KARATAŞ S., Bilen B., Guengoer A.  
JOURNAL OF SOL-GEL SCIENCE AND TECHNOLOGY, vol.46, no.1, pp.87-97, 2008 (SCI-Expanded)
- XC.III. **Intrinsic factor and vitamin B12 complex-loaded poly[lactic-co-(glycolic acid)] microspheres: preparation, characterization and drug release**  
DEMİR S., OGAN A., KAYAMAN APOHAN N.  
POLYMER INTERNATIONAL, vol.57, no.2, pp.372-377, 2008 (SCI-Expanded)
- XC.IV. **Investigation of swelling, drug release and diffusion behaviors of poly(N-isopropylacrylamide)/poly (N-vinylpyrrolidone) full-IPN hydrogels**  
Akdemir Z. S., Kayaman-Apohan N.  
POLYMERS FOR ADVANCED TECHNOLOGIES, vol.18, no.11, pp.932-939, 2007 (SCI-Expanded)
- XC.V. **Preparation and characterization of sol-gel derived UV-curable organo-silica-titania hybrid coatings**  
Karata S., Kizilkaya C., Kayaman-Apohan N., Guengoer A.  
PROGRESS IN ORGANIC COATINGS, vol.60, no.2, pp.140-147, 2007 (SCI-Expanded)
- XC.VI. **Synthesis of a novel bifunctional photoinitiator: Hybrid coatings on polycarbonate**  
Kahraman M. V., Kayaman-Apohan N., Akdemir Z. S., Boztoprak Y., Guengoer A.  
MACROMOLECULAR CHEMISTRY AND PHYSICS, vol.208, no.14, pp.1572-1581, 2007 (SCI-Expanded)
- XC.VII. **Photocurable RGD-attached fumaric acid modified PEG-diglycidyl ether hydrogels for cell growth**  
Akdemir Z. S., Apohan N., Kahraman M. V., Gungor A., Akcakaya H., Ceyhan T.  
DRUGS OF THE FUTURE, vol.32, pp.73, 2007 (SCI-Expanded)
- XC.VIII. **N-vinylpyrrolidone/acrylic acid/2-acrylamido-2-methylpropane sulfonic acid based hydrogels: Synthesis, characterization and their application in the removal of heavy metals**  
Yetimoglu E., Kahraman M. V., Ercan O., Akdemir Z. S., Apohan N.  
REACTIVE & FUNCTIONAL POLYMERS, vol.67, no.5, pp.451-460, 2007 (SCI-Expanded)
- XC.IX. **The coating performance of adipic acid modified and methacrylated bisphenol - A based epoxy oligomers**  
Bayramoglu G., Kahraman M. V., Kayaman-Apohan N., Guengoer A.  
POLYMERS FOR ADVANCED TECHNOLOGIES, vol.18, no.3, pp.173-179, 2007 (SCI-Expanded)
- C. **UV-curable methacrylated/fumaric acid modified epoxy as a potential support for enzyme immobilization**  
Kahraman M. V., Bayramoglu G., Kayaman-Apohan N., Gungor A.  
REACTIVE & FUNCTIONAL POLYMERS, vol.67, no.2, pp.97-103, 2007 (SCI-Expanded)
- CI. **alpha-Amylase immobilization on functionalized glass beads by covalent attachment**  
Kahraman M. V., Bayramoglu G., Kayaman-Apohan N., Gungor A.  
FOOD CHEMISTRY, vol.104, no.4, pp.1385-1392, 2007 (SCI-Expanded)
- CII. **Synthesis and characterization UV-curable organic-inorganic of flame retarding hybrid coatings**  
Karatas S., Hosgor Z., Menciloglu Y., Kayaman-Apohan N., Gungor A.  
JOURNAL OF APPLIED POLYMER SCIENCE, vol.102, no.2, pp.1906-1914, 2006 (SCI-Expanded)

- CIII. **Synthesis and characterization of UV-curable dual hybrid oligomers based on epoxy acrylate containing pendant alkoxy silane groups**  
Bayramoglu G., Kahraman M. V., Kayaman-Apohan N., Gungor A.  
PROGRESS IN ORGANIC COATINGS, vol.57, no.1, pp.50-55, 2006 (SCI-Expanded)
- CIV. **The novel use of organo alkoxy silane for the synthesis of organic-inorganic hybrid coatings**  
Kahraman M. V., Kugu M., Menciloglu Y., Kayaman-Apohan N., Gungor A.  
JOURNAL OF NON-CRYSTALLINE SOLIDS, vol.352, pp.2143-2151, 2006 (SCI-Expanded)
- CV. **Soybean oil based resin: A new tool for improved immobilization of alpha-amylase**  
Kahraman M. V., Kayaman-Apohan N., Ogan A., Gungor A.  
JOURNAL OF APPLIED POLYMER SCIENCE, vol.100, no.6, pp.4757-4761, 2006 (SCI-Expanded)
- CVI. **Synthesis and characterization of poly(L-lactic acid-co-ethylene oxide-co-aspartic acid) and its interaction with cells**  
Karal-Yilmaz O., Kayaman-Apohan N., Misirli Z., Baysal K., Baysal B.  
JOURNAL OF MATERIALS SCIENCE-MATERIALS IN MEDICINE, vol.17, no.3, pp.213-227, 2006 (SCI-Expanded)
- CVII. **Synthesis and characterization of pendant carboxylic acid functional poly(lactic acid) and poly(lactic acid-co-glycolic acid) and their drug release behaviors**  
Kayaman-Apohan N., Akdemir Z.  
POLYMERS FOR ADVANCED TECHNOLOGIES, vol.16, pp.807-812, 2005 (SCI-Expanded)
- CVIII. **Preparation, characterization, and drug-release properties of poly(N-isopropylacrylamide) microspheres having poly(itaconic acid) graft chains**  
Tasdelen B., Kayaman-Apohan N., Misirli Z., Guven O., Baysal B.  
JOURNAL OF APPLIED POLYMER SCIENCE, vol.97, no.3, pp.1115-1124, 2005 (SCI-Expanded)
- CIX. **UV-curable interpenetrating polymer networks based on acrylate/vinylether functionalized urethane oligomers**  
Kayaman-Apohan N., Demirci R., Cakir M., Gungor A.  
RADIATION PHYSICS AND CHEMISTRY, vol.73, no.5, pp.254-262, 2005 (SCI-Expanded)
- CX. **Anticancer drug release from poly(N-isopropylacrylamide/itaconic acid) copolymeric hydrogels**  
Tasdelen B., Kayaman-Apohan N., Guven O., Baysal B.  
RADIATION PHYSICS AND CHEMISTRY, vol.73, no.6, pp.340-345, 2005 (SCI-Expanded)
- CXI. **Synthesis of an ABA triblock copolymer of poly(DL-lactide) and poly(ethylene glycol) and blends with poly(epsilon-caprolactone) as a promising material for biomedical application**  
Porjazoska A., Yilmaz O., Kayaman-Apohan N., Baysal K., Cvetkovska M., Baysal B.  
NEW POLYMERIC MATERIALS, vol.916, pp.119-135, 2005 (SCI-Expanded)
- CXII. **Flame retardance of epoxy acrylate resin modified with phosphorus containing compounds**  
Kahraman M. V., Kayaman-Apohan N., Arsu N., Gungor A.  
PROGRESS IN ORGANIC COATINGS, vol.51, no.3, pp.213-219, 2004 (SCI-Expanded)
- CXIII. **Biocompatible polymer blends of poly(D,L-lactic acid-co-glycolic acid) and triblock PCL-PDMS-PCL copolymers: Their characterizations and degradations**  
Porjazoska A., Karal-Yilmaz O., Kayaman-Apohana N., Cvetkovska M., Baysal B.  
CROATICA CHEMICA ACTA, vol.77, no.4, pp.545-551, 2004 (SCI-Expanded)
- CXIV. **Investigation of drug release from thermo- and pH-sensitive poly(N-isopropylacrylamide/itaconic acid) copolymeric hydrogels**  
Tasdelen B., Kayaman-Apohan N., Guven O., Baysal B.  
POLYMERS FOR ADVANCED TECHNOLOGIES, vol.15, no.9, pp.528-532, 2004 (SCI-Expanded)
- CXV. **Preparation of poly (N-isopropylacrylamide/itaconic acid) copolymeric hydrogels and their drug release behavior**  
Tasdelen B., Kayaman-Apohan N., Guven O., Baysal B.  
INTERNATIONAL JOURNAL OF PHARMACEUTICS, vol.278, no.2, pp.343-351, 2004 (SCI-Expanded)
- CXVI. **pH-thermoreversible hydrogels. I. Synthesis and characterization of poly(N-isopropylacrylamide/maleic acid) copolymeric hydrogels**  
Tasdelen B., Kayaman-Apohan N., Guven O., Baysal B.

- RADIATION PHYSICS AND CHEMISTRY, vol.69, no.4, pp.303-310, 2004 (SCI-Expanded)
- CXVII. **Swelling and diffusion studies of poly(N-isopropylacrylamide/itaconic acid) copolymeric hydrogels in water and aqueous solutions of drugs**  
Tasdelen B., Kayaman-Apohan N., Guven O., Baysal B.  
JOURNAL OF APPLIED POLYMER SCIENCE, vol.91, no.2, pp.911-915, 2004 (SCI-Expanded)
- CXVIII. **Synthesis and characterization of UV-curable vinyl ether functionalized urethane oligomers**  
Kayaman-Apohan N., Amanoel A., Arsu N., Gungor A.  
PROGRESS IN ORGANIC COATINGS, vol.49, no.1, pp.23-32, 2004 (SCI-Expanded)
- CXIX. **Synthesis and characterization of glycolide, L-lactide, and PDMS-based terpolymers as a support for cell cultures**  
Porjazoska A., Kayaman-Apohan N., Karal-Yilmaz O., Cvetkovska M., Baysal K., Baysal B.  
JOURNAL OF BIOMATERIALS SCIENCE-POLYMER EDITION, vol.13, no.10, pp.1119-1134, 2002 (SCI-Expanded)
- CXX. **Dynamic light scattering studies of poly(methyl methacrylate) polystyrene copolymers in their theta solvents**  
Karal-Yilmaz O., Gurel E., Kayaman-Apohan N., Baysal B., Karasz F.  
POLYMER, vol.42, no.23, pp.9433-9440, 2001 (SCI-Expanded)
- CXXI. **Semi-interpenetrating hydrogel networks of poly(2-hydroxyethyl methacrylate) with poly[(D,L-lactic acid)-co-(epsilon-caprolactam)]**  
Kayaman-Apohan N., Baysal B.  
MACROMOLECULAR CHEMISTRY AND PHYSICS, vol.202, no.7, pp.1182-1188, 2001 (SCI-Expanded)
- CXXII. **Poly(DL-lactic acid)/triblock PCL-PDMS-PCL copolymers: synthesis, characterization and demonstration of their cell growth effects in vitro**  
Kayaman-Apohan N., Karal-Yilmaz O., Baysal K., Baysal B.  
POLYMER, vol.42, no.9, pp.4109-4116, 2001 (SCI-Expanded)
- CXXIII. **Coil to globule transition behaviour of poly(methyl methacrylate) in isoamyl acetate**  
Kayaman N., Gurel E., Baysal B., Karasz F.  
POLYMER, vol.41, no.4, pp.1461-1468, 2000 (SCI-Expanded)
- CXXIV. **Kinetics of coil-globule collapse in poly(methyl methacrylate) in dilute solutions below Theta temperatures**  
Kayaman N., Gurel E., Baysal B., Karasz F.  
MACROMOLECULES, vol.32, no.25, pp.8399-8403, 1999 (SCI-Expanded)
- CXXV. **Dynamic light scattering studies of atactic and syndiotactic poly(methyl methacrylate)s in dilute theta solution**  
Gurel E., Kayaman N., Baysal B., Karasz F.  
JOURNAL OF POLYMER SCIENCE PART B-POLYMER PHYSICS, vol.37, no.16, pp.2253-2260, 1999 (SCI-Expanded)
- CXXVI. **Interpenetrating hydrogel networks based on polyacrylamide and poly(itaconic acid): synthesis and characterization**  
Kayaman N., Hamurcu E., Uyanik N., Baysal B.  
MACROMOLECULAR CHEMISTRY AND PHYSICS, vol.200, no.1, pp.231-238, 1999 (SCI-Expanded)
- CXXVII. **Coil-globule transition of poly(methyl methacrylate) by intrinsic viscosity**  
Baysal B., Kayaman N.  
JOURNAL OF CHEMICAL PHYSICS, vol.109, no.19, pp.8701-8707, 1998 (SCI-Expanded)
- CXXVIII. **Swelling of polyacrylamide gels in polyacrylamide solutions**  
Kayaman N., Okay O., Baysal B.  
JOURNAL OF POLYMER SCIENCE PART B-POLYMER PHYSICS, vol.36, no.8, pp.1313-1320, 1998 (SCI-Expanded)
- CXXIX. **Structure and protein separation efficiency of poly(N-isopropylacrylamide) gels: Effect of synthesis conditions**  
Kayaman N., Kazan D., Erarslan A., Okay O., Baysal B.  
JOURNAL OF APPLIED POLYMER SCIENCE, vol.67, no.5, pp.805-814, 1998 (SCI-Expanded)
- CXXX. **Phase transition of hydrolyzed polyacrylamide gels in aqueous solutions of poly(ethylene glycol)**  
Kayaman N., Okay O., Baysal B.

- TURKISH JOURNAL OF CHEMISTRY, vol.21, no.4, pp.346-352, 1997 (SCI-Expanded)
- CXXXI. **Swelling of polyacrylamide gels in aqueous solutions of ethylene glycol oligomers**  
Kayaman N., Okay O., Baysal B.  
POLYMER GELS AND NETWORKS, vol.5, no.4, pp.339-356, 1997 (SCI-Expanded)
- CXXXII. **Phase transition of polyacrylamide gels in PEG solutions**  
Kayaman N., Okay O., Baysal B.  
POLYMER GELS AND NETWORKS, vol.5, no.2, pp.167-184, 1997 (SCI-Expanded)
- CXXXIII. **PHOTOSENSITIZED FREE-RADICAL POLYMERIZATION USING PYRIDINIUM SALTS**  
KAYAMAN N., ONEN A., YAGCI Y., SCHNABEL W.  
POLYMER BULLETIN, vol.32, pp.589-596, 1994 (SCI-Expanded)

## Articles Published in Other Journals

- I. **Bioactivated poly (vinyl alcohol) /poly(acrylic acid) based nanofiber for high-performance membrane techniques**  
Akday T., Kahraman M. V., Oktay B., Kayaman Apohan N.  
Letters in Applied NanoBioScience, vol.9, no.1, pp.819-823, 2020 (Peer-Reviewed Journal)
- II. **Multi-Walled Carbon Nanotube Reinforced Polyimide Composites**  
OKTAY B., Türker S., KARATAŞ S., KAYAMAN APOHAN N.  
Journal of the Turkish Chemical Society, Section A: Chemistry, pp.283-294, 2018 (Scopus)
- III. **Modifiye Edilmiş Doğal Ürünlerle Elde Edilen Sol-Jel Kaplamalar (2) - Flor İçeren Akrillenmiş Soya Oligomerinin Sentezi Ve Elde Edilen Kaplama Formülasyonu İle Kaplanan Polikarbonatların Mekanik Özellikleri**  
BOZTOPRAK Y., GÜNGÖR A., KAHRAMAN M. V., KAYAMAN APOHAN N., BAYRAMOĞLU G.  
PAGEV Plastik Araştırma, Geliştirme ve İnceleme Dergisi, no.140, pp.182-187, 2017 (Peer-Reviewed Journal)
- IV. **Modifiye Edilmiş Doğal Ürünlerle Elde Edilen Sol-Jel Kaplamalar (1) - Flor İçeren Akrillenmiş Soya Oligomerinin Sentezi Ve Elde Edilen Kaplama Formülasyonu İle Kaplanan Polikarbonatların Fiziksel ve Kimyasal Özellikleri**  
BOZTOPRAK Y., GÜNGÖR A., KAHRAMAN M. V., KAYAMAN APOHAN N., BAYRAMOĞLU G.  
PAGEV Plastik Araştırma, Geliştirme ve İnceleme Dergisi, no.135, pp.244-251, 2016 (Peer-Reviewed Journal)
- V. **Magnetite nanoparticle polymer composites for prolonged and controlled drug release**  
OKTAY B., DEMİR S., KAYAMAN APOHAN N.  
PLASTICS RESEARCH ONLINE, 2016 (Peer-Reviewed Journal)
- VI. **Katyonik Fotopolimerizasyon ile Hazırlanan Epoksi Silika Nanokompozit Kaplamalar**  
ÇAKMAKÇI E., KAYAMAN APOHAN N.  
Boyatürk, 2010 (Non Peer-Reviewed Journal)

## Refereed Congress / Symposium Publications in Proceedings

- I. **Tefln® Alternatif Sol-Jel Esaslı Kaplamaların Hazırlanması ve Yüzey Özelliklerinin Belirlenmesi**  
Uğur M. H., KAYAMAN APOHAN N., ÇAKMAKÇI E., Güngör A.  
30. Ulusal Kimya Kongresi, Cyprus (Kktc), 5 - 08 November 2018
- II. **Gıda Ambalajlarında Migrasyonun LC-Ms ile Belirlenmesi**  
Arman Kandırmaz E., Kayaman Apohan N., Gençoğlu E. N.  
30. ulusal kimya kongresi, Gazimagusa, Cyprus (Kktc), 5 - 08 November 2018, pp.70
- III. **Development of Molecular Imprinting Technology and The Effective Use of Molecular Imprinted Polymers**  
ALKANLI S. S., DAL F., YAŞAR M., GÜVEN C., KAYAMAN APOHAN N., KAHRAMAN M. V., ORAL ONCÜL M., AKÇAKAYA H.

International Congress on Biological and Medical Sciences 2018, 31 October - 03 November 2018, pp.37-44

- IV. **D Vitamini Kapsülasyonunda kullanılan Poli(vinil alkol)-(oleik asit)) sentezi ve karakterizasyonu**  
Arman Kandirmaz E., Birtane H., Çiğil A. B., Kayaman Apohan N.  
Uluslararası Katılımlı VII. Polimer Bilim ve Teknoloji Kongresi, Eskişehir, Turkey, 9 - 12 September 2018, pp.28
- V. **D vitamini Kapsülasyonunda Kullanılan Poli(vinil alkol)-(oleik asit)] Sentezi ve Karakterizasyonu**  
ARMAN KANDIRMAZ E., BİRTANE H., BEYLER ÇİĞİL A., KAYAMAN APOHAN N.  
7. Uluslararası Katılımlı Polimer Bilim ve Teknoloji Kongresi, Eskişehir, Turkey, 9 - 12 September 2018
- VI. **Starch-Based Biocomposite Nanofibers**  
OKTAY B., Baştürk E., KAHRAMAN M. V., KAYAMAN APOHAN N.  
1st International Symposium on Light Alloys and Composite Materials, 22 - 24 March 2018
- VII. **The Preparation of Fluorine and Graphene Oxide Containing Hydrophobic Nanocomposite Coatings**  
KAYAMAN APOHAN N., Akhan S., OKTAY B., MADAKBAŞ S.  
4th International Conference on New Trends in Chemistry, 11 - 13 May 2018
- VIII. **POLY(METHACRYLOYLOXY ETHYL PHOSPHATE) GRAFTED PVDF POLYMER ELECTROLYTE MEMBRANES VIA SURFACE INITIATED ATRP**  
KAYAMAN APOHAN N., OKTAY B., Uğur M. H.  
4th International Conference on New Trends in Chemistry, 11 - 13 May 2018
- IX. **The Preparation of Fluorine and Graphene Oxide Containing Hydrophobic Nanocomposite Coatings**  
KAYAMAN APOHAN N., AKHAN S., OKTAY B., MADAKBAŞ S.  
4th International Conference on New Trends in Chemistry, St.Petersburg, Russia, 11 - 13 May 2018
- X. **BİYOPOLİMER ESASLI KRİYOJEL DOKU İSKELELERİ**  
OKTAY B., Kutlusoy T., KAYAMAN APOHAN N., SÜLEYMANOĞLU M., KURUCA D. S.  
1st International Symposium on Innovative Approaches in Scientific Studies, 11 April - 13 August 2018
- XI. **Antikor üretiminde yeni yaklaşımlar: Difteri toksinine karşı plastik antikor geliştirilmesi**  
DAL F., Yaşar M., Alkanlı S. S., KAYAMAN APOHAN N., AKTAŞ Z., KAHRAMAN M. V., GÜVEN C., ÖNCÜL M. O., AKÇAKAYA H.  
XIX. Türk Klinik Mikrobiyoloji ve İnfeksiyon Hastalıkları Kongresi, 28 - 31 March 2018
- XII. **Preparation of Core-Shell Type Polyacrylate/Hydroxyapatite Drug Carriers by Controlled Polymerization**  
Kayaman Apohan N., Koçal G., Oktay B.  
uluslararası 6. ilaç kimyası kongresi, Antalya, Turkey, 22 - 25 March 2018, pp.54
- XIII. **Moleküler baskılanma ile tanıma sistemlerine yeni yaklaşımlar**  
Yaşar M., DAL F., Alkanlı S. S., KAYAMAN APOHAN N., AKTAŞ Z., KAHRAMAN M. V., GÜVEN C., ÖNCÜL M. O., AKÇAKAYA H.  
6. İlaç Kimyası: İlaç Etkin Maddesi Tasarımı, Sentezi, Üretimi ve Standardizasyonu Kongresi, Turkey, 22 - 25 March 2018
- XIV. **Preparation of High Performance Polyimide Nanofiber Reinforced Nanocomposite Electrolytes For Lithium Ion Batteries**  
AYTAN E., KAYAMAN APOHAN N., UĞUR M.  
East west chemistry conference, 12 - 14 October 2017
- XV. **PREPARATION of NAPHTHALENE-BASED POLYIMIDE ELECTROLYTES for LITHIUM-ION BATTERY APPLICATIONS**  
KAYAMAN APOHAN N., TOKER ÖZTÜRK D., UĞUR M., GÜNGÖR A.  
East West Chemistry Conference, 12 - 14 October 2017
- XVI. **Preparation Of Polyethersulfone/ Poly(Trimethoxysilyl) Propyl Methacrylate) Composites**  
OKTAY B., BAŞTÜRK E., KAHRAMAN M. V., KAYAMAN APOHAN N.  
East West chemistry Conference, 12 - 14 October 2017
- XVII. **Moleküler baskılama yöntemiyle difteri toksinine karşı geliştirilen plastik antikorun etkinliğinin belirlenmesi**  
Alkanlı S. S., Yaşar M., GÜVEN C., DAL F., KAYAMAN APOHAN N., KAHRAMAN M. V., AKTAŞ Z., AKÇAKAYA H.  
28-29. Ulusal Biyofizik Kongresi, Turkey, 6 - 09 September 2017

- XVIII. **Tissue Engineering Studies of Chitosan-co-hyaluronic Acid Porous Cryogels**  
OKTAY B., Kutlusoy T., KAYAMAN APOHAN N., Süleymanoğlu M., KURUCA D. S.  
IVEK 3rd International Convention of Pharmaceuticals and Pharmacies, 26 - 29 April 2017
- XIX. **MAGNETIC FIELD SENSITIVE BIOPOLYMER HYDROGELS IN CONTROLLED DRUG DELIVERY SYSTEMS**  
OKTAY B., DEMİR S., KAYAMAN APOHAN N.  
IVEK 3rd International Convention of Pharmaceuticals and Pharmacies, 26 - 29 April 2017
- XX. **Poli glisidil metakrilat Aşılınmış Nanolif Esaslı Malzemelerin Hazırlanması ve Karakterizasyonu**  
OKTAY B., KAYAMAN APOHAN N.  
3.Ulusal Organik kimya kongresi, Turkey, 5 - 08 September 2016
- XXI. **Preparation and characterization of chitosan co hyaluronic acid cryogels**  
Tuğçe K., KAYAMAN APOHAN N.  
International Conference and Exhibition on Materials Chemistry, Spain, 31 March - 01 April 2016
- XXII. **Molecularly imprinted polymeric nanoparticle Preparation and characterization**  
YAŞAR M., KAYAMAN APOHAN N., KAHRAMAN M. V., AKÇAKAYA H.  
International Conference and Exhibition on Materials Chemistry, Valencia, Spain, 31 March - 01 April 2016
- XXIII. **YENİ TİP TİYOKSANTON İÇERİKLİ MAKRO FOTOBAŞLATICILARIN KULLANILDIĞI FLEKSO VERNİKLERDE MİGRASYON DAVRANIŞININ İNCELENMESİ**  
ARMAN KANDIRMAZ E., KAYAMAN APOHAN N., GENÇOĞLU E. N.  
1. Uluslararası Basım Teknolojileri Sempozyumu, 8 - 10 October 2015
- XXIV. **Preparation of Well Defined Chitosan Nanofibers by Atom Transfer Radical Polymerization**  
KAYAMAN APOHAN N., OKTAY B., KURUCA D. S.  
Proceedings of the World Congress on Mechanical, Chemical, and Material Engineering (MCM 2015), Barselona, 20 - 21 July 2015
- XXV. **Preparation of Well Defined Chitosan Nanofibers by Atom Transfer Radical**  
KAYAMAN APOHAN N., OKTAY B., Erdem Kuruca S.  
International Conference on Chemical and Polymer Engineering, 21 July 2015
- XXVI. **Doku Mühendisliğinde Kullanılan Nanofiber Yapı İskeleleri**  
KAYAMAN APOHAN N.  
4. Miyomedikal Mühendisliği Öğrenci Sempozyumu Namık Kemal Üniv., Turkey, 25 - 27 March 2015
- XXVII. **Removal of fluoxetine from milk by using immunosorbent featured surface**  
TUNALI AKBAY T., KAHRAMAN M. V., KAYAMAN APOHAN N., OKTAY B., İPEKÇİ H.  
4th International Meeting on Pharmacy & Pharmaceutical Sciences (IMPPS-4). 18-21 September 2014 Istanbul, Turkey, 18 - 21 September 2014
- XXVIII. **Immunosorbent surface removes cotinine from milk**  
TUNALI AKBAY T., KAHRAMAN M. V., KAYAMAN APOHAN N., İPEKÇİ H., OKTAY B.  
4th International Meeting on Pharmacy & Pharmaceutical Sciences (IMPPS-4). 18-21 September 2014 Istanbul, Turkey, 18 - 21 September 2014
- XXIX. **Fabrication of nanofiber mats from electrospinning of functionalized polymers**  
Oktay B., KAYAMAN APOHAN N., Erdem-Kuruca S.  
2nd International Conference on Structural Nano Composites (NANOSTRUC), Madrid, Spain, 20 - 21 May 2014, vol.64
- XXX. **Magnetic Nanoparticle Included Biodegradable Smart Hydrogels**  
Biçer T., ÇAKMAKÇI E., DEMİR S., KAYAMAN APOHAN N.  
IUPAC 44th World Chemistry Congress, 11 - 16 August 2013
- XXXI. **Poly (alpha-Hydroxy Ester-Urethane) Based Electrospun Biomaterials for Tissue Engineering**  
KAYAMAN APOHAN N., ÇAKMAKÇI E., Cicek C., KAHRAMAN M. V., Arslan M., Kuruca S. E.  
11th International Conference on Chemical and Process Engineering (ICheaP), Milan, Italy, 2 - 05 June 2013, vol.32, pp.1087-1092
- XXXII. **Synthesis and Characterization of Novel Polyimides Based on 2,6-bis(m-Amino Phenoxy) Benzoyl Naphthalene**  
Ozturk R. D. T., KAYAMAN APOHAN N., Gungor A.



11th International Conference on Chemical and Process Engineering (ICheaP), Milan, Italy, 2 - 05 June 2013, vol.32, pp.1681-1686

- XXXIII. **Synthesis of new sulfur containing chain extender and its application in polyurethane elastomers**  
ALTINTAŞ Z., KAHRAMAN M. V., KAYAMAN APOHAN N.  
Paint İstanbul 2012, 13 - 15 September 2012
- XXXIV. **Modified nano silica containing thiol ene systems**  
OKTAY B., KAYAMAN APOHAN N., KAHRAMAN M. V.  
Paint İstanbul 2012., 13 - 15 September 2012
- XXXV. **UV cured thiol ene flame retardant hybrid coatings**  
BAŞTÜRK E., OKTAY B., KAYAMAN APOHAN N., KAHRAMAN M. V.  
Paint İstanbul 2012, 13 - 15 September 2012
- XXXVI. **Thermal and morphological properties of thermoplastic polyurethane SiO<sub>2</sub> nanocomposites**  
ALTINTAŞ Z., KAHRAMAN M. V., KAYAMAN APOHAN N.  
Paint İstanbul 2012, 13 - 15 September 2012
- XXXVII. **Nano silver containing antibacterial hybrid coatings**  
OKTAY B., KAYAMAN APOHAN N.  
7th Nanoscience and Nanotechnology Conference, 1 - 04 June 2012
- XXXVIII. **Effects of nano sized titanium dioxide and silica particles on tensile properties of polymethyl methacrylate PMMA denture base materials**  
Kurt A., OKTAY B., KAYAMAN APOHAN N., Işık G.  
8th Nanoscience and Nanotechnology Conference., 4 - 05 May 2012
- XXXIX. **Photo curable castor oil based highly hydrophobic coatings**  
MÜLAZİM Y., ÇAKMAKÇI E., KAHRAMAN M. V., KAYAMAN APOHAN N.  
4th Workshop on Fats and Oils as Renewable Feedstock for the Chemical Industry. March 20-22, 2011 Karlsruhe, Germany, 20 - 22 March 2011
- XL. **New SPEEK/poly(arylene ether) blend-nanocomposite membranes via sol-gel method**  
Seden M. G., Basturk E., Inan T. Y., Apohan N., Gungor A.  
Euromembrane Conference, London, Canada, 23 - 27 September 2010, vol.44, pp.1840-1841
- XLI. **In vitro Culture of Endothelial and Fibroblast Cells on Photocrosslinked Electrospun Acrylated Cellulose Acetate Butyrate**  
ÇAKMAKÇI E., KAYAMAN APOHAN N., KURUCA D. S., Çetin M. B., KARADENİZLİ S., Dar K. A.  
6th international congress of pathophysiology, 22 - 25 September 2010
- XLII. **UV curable hyperbranched polyester polyol based acrylates I**  
dindar v., KARATAŞ S., KAYAMAN APOHAN N., güngör a.  
International Paint and Auxiliary Products Industry Congresses- İstanbul, TURKEY, 2010., 14 - 17 September 2010
- XLIII. **Preparation of Si Ti Containing Hybrid Coating by Anhydrous Sol Gel Process**  
ALTINTAŞ Z., KAHRAMAN M. V., KAYAMAN APOHAN N., GÜNGÖR A.  
8th International Paint & Auxiliary products industry congress 2010., 1 - 05 August 2010
- XLIV. **A New Type Branched Biodegradable Photopolymers For Cell Growth**  
BAYRAMOĞLU G., KAYAMAN APOHAN N., KAHRAMAN M. V., ERDEM KURUCA S., GÜNGÖR A.  
43rd IUPAC World Polymer Congress Polymer Science in the Service of Society. Glasgow, UK. 11-16 July-2010., 11 - 16 July 2010
- XLV. **UV ışınlarıyla sertleşebilen süper dallanmış poliesterlerin sentezi ve karakterizasyonu**  
dindar v., KARATAŞ S., KAYAMAN APOHAN N., güngör a.  
XXIV. Ulusal Kimya Kongresi, Zonguldak, 2010., Turkey, 29 June - 02 July 2010
- XLVI. **Preparation of Nano Silver Containing Uv Curable Abrasion And Flame Resistant Nanocomposite Coatings And Investigation of Their Antimicrobial Properties**  
TOKER R. D., KAYAMAN APOHAN N., KAHRAMAN M. V.  
NanoTR6- 2010, İzmir, 15 - 18 June 2010
- XLVII. **Hexagonal Boron Nitride h BN Polyimide Hybrid Films**  
KIZILKAYA C., MÜLAZİM Y., KAHRAMAN M. V., KAYAMAN APOHAN N., GÜNGÖR A.

NanoTR6- 2010, İzmir, 15 - 18 June 2010

- XLVIII. **The maleimide modified epoxy resins for the preparation of UV curable hybrid coatings**  
altıntaş z., KARATAŞ S., KAYAMAN APOHAN N., güngör a.  
. 6.Nanoscience and nanotechnology conference, zmir Institue of technolgy, İzmir, 15-18 Haziran 2010., Turkey, 15 - 18 June 2010
- XLIX. **Phosphorus containing novel polyimide silica nanocomposite materials via sol gel technique**  
kızılkaya c., KARATAŞ S., KAYAMAN APOHAN N., güngör a.  
6.Nanoscience and nanotechnology conference, zmir Institue of technolgy, İzmir, 15-18 Haziran 2010., Turkey, 15 - 18 June 2010
- L. **Phosphine oxide based polyurethane silica nanocomposites via nonisocyanate route**  
HOŞGÖR Z., KARATAŞ S., KAYAMAN APOHAN N., MENCELOĞLU Y. Z., güngör a.  
6.Nanoscience and nanotechnology conference, zmir Institue of technolgy, İzmir, 15-18 Haziran 2010., Turkey, 15 - 18 June 2010
- LI. **Fumarated Poly Ether Ester Hydrogels that Support Osteoblast Viability Attachment and Proliferation**  
ERDEM KURUCA S., AKDEMİR S., KAYAMAN APOHAN N., KAHRAMAN M. V., DAR AKGÜN K., GÜNGÖR A., ÇETİN B. M.  
Proceedings of the XXXVI International Congress of Physiological Sciences (IUPS2009) Function of Life: Elements and Integration July 27–August 1, 2009, Kyoto, Japan ., 27 August 2009
- LII. **Florlu Sol Jel Silika İle Kaplanan ABS Plakaların Kaplama Performanslarının İncelenmesi**  
KARTAL İ., KAHRAMAN M. V., KAYAMAN APOHAN N., Güngör A.  
5. Uluslararası İleri Teknolojiler Sempozyumu, 15 May 2009
- LIII. **Investigation of coating performance of ABS sheets Coated by fluorinated sol gel silica**  
KARTAL İ., KAHRAMAN M. V., KAYAMAN APOHAN N., GÜNGÖR A.  
5. Uluslararası İleri Teknolojiler Sempozyumu (IATS'09), 13-15 Mayıs 2009, Karabük, Türkiye., 13 - 15 May 2009
- LIV. **Aleve Dayanıklı Fosfin Oksit İçeren Yeni Poliimid Silika Hibrit Kaplama Malzemelerinin Sentezi Ve Karakterizasyonu**  
kızılkaya c., KARATAŞ S., KAYAMAN APOHAN N., güngör a.  
XXII. Ulusal Kimya Kongresi, KKTC, 6-10 Ekim, 2008., Turkey, 6 - 10 October 2008
- LV. **UV Işınları İle Sertleşebilen Fosfin Oksit Bazlı Reçinelerin Sentezi Karakterizasyonu Ve Sol Jel Kaplamalarda Kullanımı**  
KARATAŞ S., HOŞGÖR Z., MENCELOĞLU Y. Z., KAYAMAN APOHAN N., güngör a.  
XXII. Ulusal Kimya Kongresi, KKTC, 6-10 Ekim, 2008., Turkey, 6 - 10 October 2008
- LVI. **Maleid İmid Reçinelerin Sentezi Ve Kaplama Uygulamaları**  
altıntaş z., KARATAŞ S., KAYAMAN APOHAN N., güngör a.  
XXII. Ulusal Kimya Kongresi, KKTC, 6-10 Ekim, 2008., Turkey, 6 - 08 October 2008
- LVII. **Sol jel yöntemi ile fosfin oksit grubu içeren organo silika hibrit kaplama malzemelerinin hazırlanması ve karakterizasyonu**  
KARATAŞ S., HOŞGÖR Z., KAYAMAN APOHAN N., güngör a.  
XXII. Ulusal Kimya Kongresi, KKTC, 6-10 Ekim, 2008., Turkey, 6 - 10 October 2008
- LVIII. **Nonisocyanate based polyurethane silica nanocomposites and their coating performance**  
HOŞGÖR Z., turunç o., KARATAŞ S., KAYAMAN APOHAN N., KAHRAMAN M. V., MENCELOĞLU Y. Z., güngör a.  
4.Nanobilim ve Nanoteknoloji Konferansı, İTÜ ,İstanbul 9-13 Haziran 2008., Turkey, 9 - 13 June 2008
- LIX. **Preparation and characterization phosphine oxide containing organosilica hybrid coatings by photopolymerization andsol gel process**  
HOŞGÖR Z., KARATAŞ S., KAYAMAN APOHAN N., güngör a.  
" 4.Nanobilim ve Nanoteknoloji Konferansı, İTÜ ,İstanbul 9-13 Haziran 2008., Turkey, 9 - 13 June 2008
- LX. **Synthesis and Characterization of UV Curable Sulfonated Hybrid Materials and Their Performance as Proton Exchange Membrane**  
GÜRTEKİN M., KAYAMAN APOHAN N., KAHRAMAN M. V., GÜNGÖR A.  
5th International Conference on Sol-Gel Materials. 1-5 June 2008, Trzebieszowice, POLAND., 1 - 05 June 2008
- LXI. **Flor İçeren Akrillenmiş Soya Oligomerinin Sentezi Ve Polikarbonatların Kaplama Performansları**

## Üzerine Etkisi

BOZTOPRAK Y., BAYRAMOĞLU G., KAHRAMAN M. V., KAYAMAN APOHAN N., GÜNGÖR A.

7. Uluslararası Boya Ve Yardımcı Maddeler Sanayi Kongresi, İstanbul, Turkey, 11 - 14 April 2008

- LXII. **Preparation and Characterization of Sol gel Derived UV Curable Organo silica Titania Hybrid Coatings**  
kızılkaya c., KARATAŞ S., KAYAMAN APOHAN N., güngör a.  
VII. International Paint and Auxillary Products Industry Congrees-- 10-12 April, İstanbul, TURKEY,2008., 10 - 12 April 2008
- LXIII. **Morphological Mechanical And Thermal Investigations**  
KARATAŞ S., KAYAMAN APOHAN N., güngör a.  
VII. International Paint and Auxillary Products Industry Congrees- İstanbul, TURKEY,2008., 10 - 12 April 2008
- LXIV. **PMSE 486-Cyclic carbonate synthesis from supercritical carbon dioxide and epoxides for the preparation of polyurethane nanocomposites**  
Malay O., Gulsen E., KAYAMAN APOHAN N., Gungor A., MENCELOĞLU Y. Z.  
235th American-Chemical-Society National Meeting, Louisiana, United States Of America, 6 - 10 April 2008, vol.235
- LXV. **Sol jel tekniğiyle kaplanan polikarbonatların fiziksel özelliklerinin İncelenmesi**  
BOZTOPRAK Y., KAHRAMAN M. V., KAYAMAN APOHAN N., GÜNGÖR A.  
8th international Fracture conference , 07 – 09 November 2007, istanbul, Turkey., 7 - 09 November 2007
- LXVI. **alpha Amylase Immobilization on Functionalized Glass Beads by Covalent Attachment**  
KAHRAMAN M. V., BAYRAMOĞLU G., KAYAMAN APOHAN N., GÜNGÖR A.  
13 th Biomedical Science & Technology Symposium August 26-28, 2007 Istanbul., 26 - 28 August 2007
- LXVII. **Photocurable RGD attached fumaric acid modified PEG diglycidyl ether hydrogels for cell growth**  
AKDEMİR Z. S., KAYAMAN APOHAN N., KAHRAMAN M. V., GÜNGÖR A., AKÇAKAYA H., CEYHAN T.  
6th AFMC International Medicinal Chemistry Symposium. July 8-11, 2007, Turkey., 8 - 11 July 2007
- LXVIII. **N Kayaman Apohan M V Kahraman S Karataş Yusuf menceloğlu Atilla Güngör UV Işınları İle Sertleştirilebilen organik Anorganik Hibrit Kaplamalar**  
KAYAMAN APOHAN N., KAHRAMAN M. V., KARATAŞ S., MENCELOĞLU Y. Z., güngör a.  
XX. Ulusal Kimya Kongresi -Kayseri (Erciyes Üniversitesi- Fen Edebiyat Fak.) 4-8 Eylül 2006., Turkey, 4 - 08 September 2006
- LXIX. **UV Işınları ile Sertleştirilebilen Hibrit Malzemeleri ile Plexiglassın Yüzey Özelliklerinin İyileştirilmesi**  
kızılkaya c., KARATAŞ S., KAYAMAN APOHAN N., güngör a.  
XX. Ulusal Kimya Kongresi -Kayseri (Erciyes Üniversitesi- Fen Edebiyat Fak.) 4-8 Eylül 2006., Turkey, 4 - 08 September 2006
- LXX. **Phosphorus Containing Novel Sulfonated Polyimides**  
ÇAKIR M., KARATAŞ S., KAYAMAN APOHAN N., MENCELOĞLU Y. Z., GÜNGÖR A.  
Polycondensation 2006, 27 - 30 August 2006
- LXXI. **Yüksek Sıcaklıklardaki Membran Uygulamaları İçin Fosfin oksit Bazlı Sülfolanmış Polyimidlerin İncelenmesi**  
KARATAŞ S., ÇAKIR M., KAYAMAN APOHAN N., birkan b., MENCELOĞLU Y. Z., GÜNGÖR A.  
3. Ulusal Hidrojen Enerji Kongresi, Turkey, 17 - 18 July 2006
- LXXII. **Yüksek Sıcaklıklardaki Membran Uygulamaları İçin Fosfin Oksit Bazlı Sülfolanmış Poliimidlerin İncelenmesi**  
KARATAŞ S., ÇAKIR M., KAYAMAN APOHAN N., MENCELOĞLU Y. Z., birkan b., güngör a.  
III. Ulusal Hidrojen Enerjisi Kongresi-İstanbul- 17 Temmuz-2006, Turkey, 17 July 2006
- LXXIII. **Preparation and drug release behaviour of monovinyl beta cyclodextrin PEG diacrylate HEMA hydrogels**  
BORA N., KAHRAMAN M. V., DEMİR S., KAYAMAN APOHAN N., OGAN A.  
31st FEBS Congress Molecules in Health& Disease, 24 - 29 June 2006
- LXXIV. **Synthesis of novel UV curable polychelatogen hydrogels for removal of heavy metal ions**  
KÖK YETİMOĞLU E., KAHRAMAN M. V., ÖZGEN E., Z SEDEN A., KAYAMAN APOHAN N.  
International Workshop On Frontiers and Interfaces of Ion Exchange, Antalya-Turkey, 11 - 15 June 2006, 11 - 15

June 2006

- LXXV. **Release of Intrinsic Factor and vitamin B12 from PLGA Microspheres**  
DEMİR S., OGAN A., KAYAMAN APOHAN N.  
International Symposium on Medicinal Chemistry Research and Development September, 28 September - 01 October 2005, pp.82
- LXXVI. **Release of intrinsic factor and vitamin B12 from PLGA microspheres**  
DEMİR S., OGAN A., KAYAMAN APOHAN N.  
International Symposium on Medicinal Chemistry Research and Development. MCRD 2005, AYDIN-KUŞADASI, Turkey, 18 - 21 September 2005
- LXXVII. **UV Curable hybrid coatings based on a novel organoalkoxy silane precursor**  
KAYAMAN APOHAN N., KARATAŞ S., KAHRAMAN M. V., MENCELOĞLU Y. Z., GÜNGÖR A.  
40th IUPAC Congress, Beijing-China, 14-19 August 2005, 14 - 19 August 2005
- LXXVIII. **The immobilization of a amylase onto UV curable soybean resin**  
KAHRAMAN M. V., KAYAMAN APOHAN N., OGAN A., GÜNGÖR A.  
40 th IUPAC Congress, Pekin, 14 - 19 August 2005, pp.269
- LXXIX. **The immobilization of alpha amylase onto UV Curable Soybean Resin**  
KAHRAMAN M. V., KAYAMAN APOHAN N., OGAN A., GÜNGÖR A.  
40th IUPAC Congress, Beijing-China, 14-19 August 2005, 14 - 19 August 2005
- LXXX. **Preparation and Drug Release Behaviour Of Cyclodextrin Urethane ethacrylate Monomer Peg Diacrylate Hema Hydrogels**  
BORA N., KAHRAMAN M. V., KAYAMAN APOHAN N., OGAN A.  
31st FEBS Congress. Molecules in Health & Disease. 2006, İstanbul, Turkey, 23 - 29 June 2005
- LXXXI. **UV Curable Hybrid Materials Containing Phosphine Oxide Prepared By Sol gel Process**  
KARATAŞ S., MENCELOĞLU Y. Z., KAYAMAN APOHAN N., Güngör A.  
6th Advanced Polymers via Macromolecular Engineering (APME, 15 - 19 August 2005

## Supported Projects

Kayaman Apohan N., Dural S., Project Supported by Higher Education Institutions, Poliaspartik Esterler ile Biobazlı Poliürea Kaplamaların Sentezi ve Karakterizasyonu, 2022 - 2024

Kayaman Apohan N., Kazan D., Turan Okulmuş Ş., Project Supported by Higher Education Institutions, Biyobozunur Bakteriyel Selüloz-Hyalüronik Asit Doku İskelelerinin Çıt-Çıt Reaksiyonları ile Sentezi ve Uygulamaları, 2019 - 2022

Kayaman Apohan N., Kazan D., Project Supported by Higher Education Institutions, Biyobozunur HA-PHB taşıyıcı sistemlerin klik reaksiyonları ile sentezi ve doku mühendisliği uygulamaları, 2019 - 2021

Oktay B., Kayaman Apohan N., Project Supported by Higher Education Institutions, İyonik Sıvı Destekli PVDF Polielektrolitlerin Kontrollü Polimerizasyon ile Hazırlanması ve Karakterizasyonu, 2019 - 2020

Kayaman Apohan N., Madakbaşı S., Project Supported by Higher Education Institutions, KSYNTHESIS AND CHARACTERİZATİON OF SELF-HEALİNG POLYURETHANE NANOCOMPOSITE COATİNGS, 2018 - 2019

Oktay B., Kayaman Apohan N., Project Supported by Higher Education Institutions, Çekirdek Kabuk Tipi Poli akrilat Hidroksi Apatit İlaç Taşıyıcıların Kontrollü Polimerizasyon ile Sentezi ve Karakterizasyon Çalışmaları, 2017 - 2019

Oktay B., Kayaman Apohan N., Project Supported by Higher Education Institutions, Atom Transfer Radikal Polimerizasyonu ile Yüzey Modifiye Poliviniliden florid (PVDF) Esaslı Nanoliflerin Lityum İyon Pillerde Elektrolit Olarak Kullanımı, 2017 - 2019

Kahraman M. V., Akçakaya H., KAYAMAN APOHAN N., TUBITAK Project, Moleküler Baskılama Yöntemiyle Difteri Toksinine Karşı Plastik Antikor Geliştirilmesi, 2015 - 2018

Arman Kandırmaz E., Kayaman Apohan N., Gençoğlu E. N., Project Supported by Higher Education Institutions, YENİ POLİMERİK FOTOBAŞLATICILAR KULLANARAK BASILABİLİR DÜŞÜK MİGRASYONLU VERNİK VE LAK ÜRETİMİ, 2014 - 2018

Kahraman M. V., Altınkut Uncuoğlu A., KAYAMAN APOHAN N., BEKİROĞLU F., ÇAKIR M., TUBITAK Project, Marmara Üniversitesinin ARDEB Programlarına Yönelik Proje Desteklerinden Faydalanma Potansiyelinin Artırılması, 2014 - 2017

Topcuođlu H. R., Altınkut Uncuođlu A., Mertođlu B., Kayaman Apohan N., Kahraman M. V., Sezer A. D., TUBİTAK Project, Marmara Üniversitesi ARDEB Programlarına Yönelik Proje Desteklerinden Faydalanma Potansiyelinin Artırılması, 2014 - 2017

Kayaman Apohan N., Project Supported by Higher Education Institutions, YÜKSEK PERFORMANSLI POLİİMİD NANOFİBERLERİN HAZIRLANMASI VE LİTYUM İYON PİLLERDE ELEKTROLİT OLARAK KULLANIMI, 2015 - 2016

Kayaman Apohan N., Oktay B., Project Supported by Higher Education Institutions, Elektrospin tekniđi ile hazırlanan biyopolimer nanoliflerin yüzey modifikasyonları ve uygulamaları, 2013 - 2016

Kayaman Apohan N., Kutlusoy T., Project Supported by Higher Education Institutions, kitosan ko hyaluronik asit kriyojellerin hazırlanması ve karakterizasyonu, 2013 - 2015

Kayaman Apohan N., Karataş S., Kahraman M. V., Biçen M., Öztürk D., Project Supported by Higher Education Institutions, Poliimid esaslı nanokompozit membranların sentezi ve uygulamaları, 2013 - 2015

Kahraman M. V., Akbay T., KAYAMAN APOHAN N., TUBİTAK Project, Anne Sütüne Geçen Bazı İlaçların ve Toksik Maddelerin Uzaklaştırılması , 2012 - 2015

Kayaman Apohan N., İlgün K., Project Supported by Higher Education Institutions, Karbon nanotüp içeren UV ışınlarıyla kürlenmiş Nanokompozit kaplamalar, 2012 - 2014

Kayaman Apohan N., Savaş H., Project Supported by Higher Education Institutions, Su bazlı poliüretan akrilik hibrit emülsiyonların sentezi ve karakterizasyonu, 2012 - 2014

Kayaman Apohan N., TUBİTAK Project, Organik-İnorganik Hibrit Hidrojellerin Sentezi Ve Karakterizasyonu, 2012 - 2013

Kayaman Apohan N., Güngör A., Yılmaz İnan T., TUBİTAK Project, Polyarylene ether based membranes for fuel cell applications, 2010 - 2012

Kahraman M. V., Kayaman Apohan N., Çakmakçı E., Mülazım Y., Project Supported by Higher Education Institutions, Hidrofobik kaplamaların geliştirilmesi ve karakterizasyonu, 2010 - 2012

Kayaman Apohan N., Çakmakçı E., Kahraman M. V., Project Supported by Higher Education Institutions, Biyoparçalanabilir Poli a hidroksi ester üretan esaslı yapı iskelelerinin geliştirilmesi, 2010 - 2012

Kahraman M. V., Kayaman Apohan N., TUBİTAK Project, İzosiyanat İçermeyen Yöntemle Hazırlanmış Poliüretan Silika Nanokompozitler ve Kaplama Performanslarının İncelenmesi, 2006 - 2008

Kahraman M. V., Kayaman Apohan N., TUBİTAK Project, Ortopedide kullanım için UV ışınları ile sertleştirilebilen Enjekte Edilebilir Yeni Polimer Biyomalzemelerin Geliştirilmesi Bir doku mühendisliđi çalışması, 2005 - 2008

## Metrics

Publication: 222

Citation (WoS): 2795

Citation (Scopus): 2559

H-Index (WoS): 30

H-Index (Scopus): 28

## Non Academic Experience

TUBİTAK MAM