

## Prof. Hacer Ayşen Önen

### Personal Information

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### Education Information

Doctorate, İstanbul Teknik Üniversitesi, Fen Bilimleri Enstitüsü, Kimya (Dr), Turkey 1986 - 1990

Post Graduate, İstanbul Teknik Üniversitesi, Fen Bilimleri Enstitüsü, Kimya (YI), Turkey 1983 - 1986

Under Graduate, İstanbul Teknik Üniversitesi, Kimya-Metalurji Fakültesi, Kimya Mühendisliği Bölümü, Turkey 1979 - 1983

### Foreign Languages

English

### Dissertations

Doctorate, Dual Curable Textile Adhesives For Cord/ Rubber Applications, İstanbul Teknik Üniversitesi, Fen Bilimleri Enstitüsü, Polymer Science And Technology, 2017

Post Graduate, Effect of carbon nanotubes and polyaniline on the properties of polyacrylonitrile/carbon nanotubes composite nanofibers, İstanbul Teknik Üniversitesi, Fen Bilimleri Enstitüsü, Polymer Science And Technology, 2015

Post Graduate, Development of silver nitrate loaded polyacrylonitrile composite nanofibers, İstanbul Teknik Üniversitesi, Fen Bilimleri Enstitüsü, Polymer Science And Technology, 2014

Post Graduate, The effects of partially acrylated hyperbranched polyesters on uv curable coatings, İstanbul Teknik Üniversitesi, Fen Bilimleri Enstitüsü, Polymer Science And Technology, 2014

Post Graduate, Functional multiwalled carbon nanotubes, İstanbul Teknik Üniversitesi, Fen Bilimleri Enstitüsü, Polymer Science And Technology, 2014

Post Graduate, Synthesis of functional ketonic resins, İstanbul Teknik Üniversitesi, Fen Bilimleri Enstitüsü, Polymer Science And Technology, 2013

Post Graduate, Preparation and characterization of polypropylene nanocomposite materials reinforced with cellulose nano whiskers by solvent casting, İstanbul Teknik Üniversitesi, Fen Bilimleri Enstitüsü, Polymer Science And Technology, 2012

Post Graduate, Synthesis of photoactive urethane acrylates, İstanbul Teknik Üniversitesi, Fen Bilimleri Enstitüsü, Polymer Science And Technology, 2010

Post Graduate, Polymerization of chalcone functional polymers by atom transfer radical polymerization, İstanbul Teknik Üniversitesi, Fen Bilimleri Enstitüsü, Polymer Science And Technology, 2008

Post Graduate, Synthesis of triglyceride based urethane macromers and their use in copolymerization, İstanbul Teknik Üniversitesi, Fen Bilimleri Enstitüsü, Polymer Science And Technology, 2006

Post Graduate, Modification of polycarbonate surfaces via UV curable sol gel method, İstanbul Teknik Üniversitesi, Fen Bilimleri Enstitüsü, Polymer Science And Technology, 2005

Post Graduate, Fotoaktif reçine sentezi ve kopolimerleşmede kullanımı, İstanbul Teknik Üniversitesi, Fen Bilimleri Enstitüsü, Kimya, 2005

Post Graduate, effect of various stabilizer mixtures on mechanical and physical properties of CaCO<sub>3</sub> filled polypropylene composite in different environmental conditions, İstanbul Teknik Üniversitesi, Fen Bilimleri Enstitüsü, Polymer Science And Technology, 2004

Doctorate, Synthesis of liquid crystalline copolymers by combination of atom transfer radical polymerization and promoted cationic polymerization, İstanbul Teknik Üniversitesi, Fen Bilimleri Enstitüsü, Polymer Science And Technology, 2004

Post Graduate, Investigation of mechanical properties of polyethylene blended polypropylene pipes, İstanbul Teknik Üniversitesi, Fen Bilimleri Enstitüsü, Polymer Science And Technology, 2003

Post Graduate, Allil onyum tuzlarının katyonik polimerizasyondaki etkinliklerinin karşılaştırılması, İstanbul Teknik Üniversitesi, Fen Bilimleri Enstitüsü, Kimya, 1999

Post Graduate, enzophenone based addition-fragmentation agent for photoinitiated cationic polymerization, İstanbul Teknik Üniversitesi, Fen Bilimleri Enstitüsü, Polymer Science And Technology, 1999

Post Graduate, Novel addition fragmentation agents as cationic initiator, İstanbul Teknik Üniversitesi, Fen Bilimleri Enstitüsü, Kimya, 1999

## Research Areas

Chemistry, Physical Chemistry, Functional Polymers, Polymeric Materials, Organic Chemistry, Natural Sciences

## Academic Titles / Tasks

Professor, İstanbul Teknik Üniversitesi, Fen-Edebiyat Fakültesi, Kimya Bölümü, 1999 - Continues

Associate Professor, İstanbul Teknik Üniversitesi, Fen-Edebiyat Fakültesi, Kimya Bölümü, 1992 - 1999

Assistant Professor, İstanbul Teknik Üniversitesi, Fen-Edebiyat Fakültesi, Kimya Bölümü, 1991 - 1992

Research Assistant, İstanbul Teknik Üniversitesi, Fen-Edebiyat Fakültesi, Kimya Bölümü, 1985 - 1991

## Professional Experience

Head of Department, İstanbul Teknik Üniversitesi, Fen Bilimleri Enstitüsü, Polimer Bilim Ve Teknolojisi Anabilim Dalı, 2015 - Continues

Head of Department, İstanbul Teknik Üniversitesi, Fen Bilimleri Enstitüsü, Polimer Bilim Ve Teknolojisi Anabilim Dalı, 2002 - 2004

## Courses

Organik Kimya, Under Graduate, 2016 - 2017

ORGANIC CHEMISTRY I, Under Graduate, 2016 - 2017

ORGANIC CHEMISTRY LABORATORY 1, Under Graduate, 2009 - 2010, 2010 - 2011, 2011 - 2012, 2012 - 2013, 2013 - 2014, 2016 - 2017

FUNDAMENTALS OF POLYMER CHEMISTRY, Post Graduate, 2001 - 2002, 2002 - 2003, 2003 - 2004, 2004 - 2005, 2005 - 2006, 2006 - 2007, 2007 - 2008, 2008 - 2009, 2009 - 2010, 2010 - 2011, 2011 - 2012, 2012 - 2013, 2013 - 2014, 2016 - 2017

## Supported Projects

Önen H. A. , Project Supported by Higher Education Institutions, Grafen Oksit Lifleri, Üretimi, Karakterizasyonu ve Sülfür Dioksit Adsorpsiyonunda Kullanımları, 2017 - 2018

Önen H. A. , Project Supported by Higher Education Institutions, Synthesis of Phosphorus Containing Smart Polymeric Materials, 2016 - 2018

Önen H. A. , Project Supported by Higher Education Institutions, ENZYMATICALLY SYNTHESIZED POLYCAPROLACTONE BASED MACROPHOTOINITIATOR, 2015 - 2018

Önen H. A. , Project Supported by Higher Education Institutions, Akıllı Polimerik Malzemelerin Sentezi, 2016 - 2017

Önen H. A. , Project Supported by Higher Education Institutions, Dual Sertleşebilen Tekstil Yapıştırıcılarının Sentezi ve Uygulamaları, 2014 - 2017

Önen H. A. , Project Supported by Higher Education Institutions, Polianilin ve fonksiyonel karbon nanotüp içeren kompozit nanolifler, üretilmesi ve özelliklerinin incelenmesi, 2015 - 2016

Önen H. A. , Project Supported by Higher Education Institutions, Nano Titanyumdioksit İçeren Silan Kaplamaların Metal Yüzeylerde Korozyona Karşı Kullanımı, 2014 - 2016

Önen H. A. , Project Supported by Higher Education Institutions, Gümüş Nitrat (AgNO<sub>3</sub>) İçeren Poliakrilonitril (PAN) Kompozit Nanoliflerin Üretimi, 2014 - 2015

Önen H. A. , Project Supported by Higher Education Institutions, Akrillenmiş Çok Dalı Polimerlerin Sentezi ve Uygulamaları, 2013 - 2015

Önen H. A. , Project Supported by Higher Education Institutions, Fonksiyonel Çok Katmanlı Karbon Nanotüp Sentezi, 2013 - 2014

Önen H. A. , Project Supported by Higher Education Institutions, Fonksiyonel Ketonik Reçinelerin Sentezi, 2013 - 2013

Önen H. A. , Project Supported by Higher Education Institutions, Polymeric Nanocomposites Produced From Polypropylene And Nanocellulose Whiskers, 2011 - 2012

Önen H. A. , Project Supported by Higher Education Institutions, Çok Dallanmış Polimerlerin Sentezi ve Uygulamaları, 2010 - 2012

Önen H. A. , Project Supported by Higher Education Institutions, Işığa Duyarlı, Çaprazbağ Oluşturabilen Polimerlerin Sentezi ve Film Özelliklerinin İncelenmesi, 2010 - 2011

Önen H. A. , Project Supported by Higher Education Institutions, Kalgon aktif polimer sentez ve uygulamaları, 2008 - 2010

Önen H. A. , Project Supported by Higher Education Institutions, Atom Transfer Radikal Polimerizasyonu ile Kalgon Fonksiyonalitesine Sahip Polimer Sentezi, 2007 - 2008

Önen H. A. , Project Supported by Higher Education Institutions, Nano Zeolit Katkılı Polimerik Membranların Hazırlanması ve Karakterizasyonu, 2005 - 2007

Önen H. A. , Project Supported by Higher Education Institutions, Polikarbonat Türü Malzemelerin UV Işınları ile Sertleşebilen SOL-GEL Tekniği Kullanılarak Yüzey Özelliklerinin Modifiye Edilmesi, 2005 - 2006

Önen H. A. , Project Supported by Higher Education Institutions, Fotoaktif Reçine Sentezi ve Kopolimerleşmede Kullanımı, 2004 - 2005

Önen H. A. , Project Supported by Higher Education Institutions, ATRP ve Fotoindüklenmiş Katyonik Polimerizasyon Yöntemleri Kullanılarak Blok Kopolimerlerin Sentezlenmesi, 2004 - 2004

Önen H. A. , Project Supported by Higher Education Institutions, Dolgulu Polipropilenin Stabilizasyonu ve Sinerjik Etkileşimlerin İncelenmesi, 2004 - 2004

Önen H. A. , Project Supported by Higher Education Institutions, Sıvı Kristal Kopolimerlerin Sentezinde Yeni Yaklaşımlar, 2002 - 2004

Önen H. A. , Project Supported by Higher Education Institutions, Polietilen Katkılı Polipropilen Boruların Mekanik Özelliklerinin Belirlenmesi, 2003 - 2003

Önen H. A. , Project Supported by Higher Education Institutions, Polimerik Maddelerin Sentezinde Deneysel Yöntemleri, 2002 - 2003

Önen H. A. , Project Supported by Higher Education Institutions, Alil Onyum Tuzlarının Atyonik Polimerizasyonundaki Etkinliklerinin Kıyaslanması, 1999 - 2003

Önen H. A. , Project Supported by Higher Education Institutions, Benzofen Gurubu İçerin Fotoaktif Katılma Bölüşme Reaktiflerinin Sentezi ..., 2001 - 2001

## Invited Congress and Symposium Activities

Preparation of Dual Curable Adhesive Formulations by Composition of Acrylic Reactive Diluents for Cord/Rubber Applications,, Attendee, Ankara, Turkey, 2017

253 rd American Chemical Society (ACS) National Meeting,UV Curable Flame Retardent Coatings for Cotton Fabrics, Attendee, California, United States Of America, 2017

13th International Conference on Nanosciences&Nanotechnologies (NN16),The Effect of Production Parameters on Continuous Graphene Oxide Fiber, Attendee, Thessaloniki, Greece, 2016

International Symposium on Macrocyclic and Supramolecular Chemistry,, Synthesis of Phosphorus Containing Smart Polymeric Materials, Attendee, Seoul, South Korea, 2016

12th International Nanoscience and Nanotechnology Conference,Continuous Graphene Oxide Fiber, Attendee, Kocaeli, Turkey, 2016

5 th International Conference on Biobased and Biodegradable Polymers,Enzymatically Synthesized Polycaprolactone Based Macrophotoinitiator, Attendee, Bilbao, Spain, 2015

Composite Polyacrylonitrile Filaments with Polyaniline And Silver Nanoparticles, 5th International Istanbul Textile Congress, Attendee, İstanbul, Turkey, 2015

15th Autex World Textile Conference,Synthesis of Phosphorus Containing Bio Based Adhesives for Textile Applications, Attendee, Bucuresti, Romania, 2015

, ICNET 2014: International Conference on Nanoscience, Engineering and Technology,Effect of Amine-Functionalized Carbon Nanotubes on the Properties of CNT-PAN Composite Nanofibers, Attendee, Venezia, Italy, 2014

ICNET 2014: International Conference on Nanoscience, Engineering andTechnology,Investigation of Electrical, Thermal and Structural Properties on Polyacrylonitrile Nano- fiber,, Attendee, Venezia, Italy, 2014

Autex 2014, 14th World Textile Conference,Development of Polyacrylonitrile/Carbon nanotube/Silver Nanoparticles Composite Nanofibers, Attendee, Bursa, Turkey, 2014

Autex 2014, 14th World Textile Conference,The Importance of Reduction Methods and Ratio of PVP for Composite Polyacrylonitrile-Silver Nanofiber, Attendee, Bursa, Turkey, 2014

Fiber Society Spring 2014 Conference,The Effects of Plasma Treatment on UV-Curable Epoxyacrylate Coatings, Attendee, Liberec, Czech Republic, 2014

Autex 2014, 14th World Textile Conference, Development of Polyacrylonitrile/Carbon nanotube/Silver Nanoparticles Composite Nanofibers, Attendee, Bursa, Turkey, 2014

Nanotech Meeting,PAN/CNT/AgNP composite nanowebs: Effect of CNT functionalization and Ag+ reduction on properties of composite nanofiber Webs,, Attendee, Tunisia, 2014

XIIIth International Izmir Textile and Apparel Symposium,The Effect of Modified CNT and Processing Parameters on Properties of CNT-PAN Composite Nanofiber Web, Attendee, Antalya, Turkey, 2014

, XIIIth International Izmir Textile and Apparel Symposium,The Effect of Modified CNT and Processing Parameters on Properties of CNT-PAN Composite Nanofiber Web, Attendee, Antalya, Turkey, 2014

## Citations

Total Citations (WOS):186

h-index (WOS):7

## Scholarships

Alexander von Humboldt Bursu: Hahn Meitner Institute- Berlin, Official Institutions of Foreign Countries, 1994 - Continues

International Post Graduate University Course in Chemistry and Chemical Engineering, UNESCO, 1987 - Continues