

## Prof. Hale BERBER

### Personal Information

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### International Researcher IDs

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Yoksis Researcher ID: 174266

### Education Information

Doctorate, Yildiz Technical University, Faculty Of Arts & Science, Kimya, Turkey 2005 - 2012

Postgraduate, Yildiz Technical University, Faculty Of Arts & Science, Kimya, Turkey 2003 - 2005

Undergraduate, Hacettepe University, Fen Fakültesi, Kimya (İngilizce), Turkey 1996 - 2001

### Foreign Languages

English, B2 Upper Intermediate

### Dissertations

Doctorate, Fonksiyonlu Vinil Monomerleri Kullanılarak Nano Boyutlu Emülsiyon Polimerlerinin Sentezi, Modifikasyonu ve Karakterizasyonu, Yıldız Teknik Üniversitesi, Kimya, Fizikokimya, 2012

Postgraduate, Amonyum Persülfat ile Başlatılmış Vinil Asetat – Bütil Akrilat Koolimerlerinin Sentezi ve Karakterizasyonu, Yıldız Teknik Üniversitesi, Kimya, Fizikokimya, 2005

### Research Areas

Chemistry, Physical Chemistry, Composites, nanocomposites, Characterization of Polymers, Polymeric Adsorbents, Polymeric Films, Polymeric Materials, Recycling of Polymers, Natural Sciences

### Academic Titles / Tasks

Associate Professor, Yildiz Technical University, Faculty Of Chemical And Metallurgical Engineering, Department Of Metallurgical And Materials Engineering, 2018 - Continues

Assistant Professor, Yildiz Technical University, Faculty Of Chemical And Metallurgical Engineering, Department Of Metallurgical And Materials Engineering, 2018 - 2019

Assistant Professor, Yildiz Technical University, Faculty Of Chemical And Metallurgical Engineering, Department Of Metallurgical And Materials Engineering, 2014 - 2018

Assistant Professor, Yeni Yüzyıl Üniversitesi, Eczacılık, Eczacılık, 2013 - 2014

Research Assistant, Yildiz Technical University, Faculty Of Arts & Science, Department Of Chemistry, 2004 - 2012

## Academic and Administrative Experience

Erasmus Coordinator, Yildiz Technical University, Faculty Of Chemical And Metallurgical Engineering, Department Of Metallurgical And Materials Engineering, 2017 - Continues

Deputy Head of Department, Yildiz Technical University, Faculty Of Chemical And Metallurgical Engineering, Department Of Metallurgical And Materials Engineering, 2014 - 2015

## Advising Theses

Berber H., Otomotiv Sektöründe Kullanılan Poliamid 6.6/Cam Elyaf Kompozitlerinin Mekaniksel Geri Dönüştürülebilirliğinin Araştırılması ve Geri Dönüştürülmüş Kompozitlerin Özelliklerinin İncelenmesi, Postgraduate, C.GÜLTÜRK(Student), 2022

Berber H., Tamer Y., Otomotiv sektörü için polimer kompozit malzemelerin hazırlanması ve özelliklerinin incelenmesi, Postgraduate, U.ÇELEN(Student), 2020

Berber H., Grafen-polimer nanokompozitlerin emülsiyon polimerizasyonu yöntemi ile üretimi ve karakterizasyonu, Postgraduate, M.DERYA(Student), 2018

BERBER H., Alev Geciktirici Polimer Kompozitlerin Ekstrüzyon Yöntemi ile Hazırlanması ve Karakterizasyonu, Postgraduate, A.Yücesoy(Student), 2017

BERBER H., Yerinde Emülsiyon Polimerizasyonu Yöntemi Kullanılarak Grafen Oksit Katkılı Polimer Nanokompozitlerin Hazırlanması ve Karakterizasyonu, Postgraduate, E.Uçar(Student), 2017

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

- I. **Effects of mechanical recycling on the properties of glass fiber–reinforced polyamide 66 composites in automotive components**  
Gültürk C., Berber H.  
E-POLYMERS, vol.23, no.1, pp.1-17, 2023 (SCI-Expanded)
- II. **The potential use of natural expanded perlite as a flameretardant additive for acrylonitrile-butadiene-styrenebased composites**  
Çelen U., Tamer Y., Berber H.  
JOURNAL OF VINYL AND ADDITIVE TECHNOLOGY, vol.29, no.5, pp.1-17, 2023 (SCI-Expanded)
- III. **Improvement of flame retardancy and thermal stability of highly loaded low density polyethylene/magnesium hydroxide composites**  
Yücesoy A., Balçık Tamer Y., BERBER H.  
Journal of Applied Polymer Science, vol.140, no.30, 2023 (SCI-Expanded)
- IV. **Design of a bactericidal hydrogel scaffold containing genipin crosslinked HF-18 peptide**  
Boncukcu N., Akgül B., Akmayan I., Berber H., Abamor E. Ş., Özbek T., Derman S.  
Biotechnology Progress, vol.39, no.2, 2023 (SCI-Expanded)
- V. **Kinetic, isotherm, and thermodynamic studies for adsorptive removal of basic violet 14 from aqueous solution**  
Tamer Y., Berber H.  
TURKISH JOURNAL OF CHEMISTRY, vol.46, no.6, pp.2057-2071, 2022 (SCI-Expanded)
- VI. **Graphene oxide incorporated chitosan/acrylamide/itaconic acid semi-interpenetrating network hydrogel bio-adsorbents for highly efficient and selective removal of cationic dyes**  
Tamer Y., Koşucu A., Berber H.  
INTERNATIONAL JOURNAL OF BIOLOGICAL MACROMOLECULES, vol.219, pp.273-289, 2022 (SCI-Expanded)
- VII. **Effective removal of crystal violet from aqueous solution by graphene oxide incorporated hydrogel beads as a novel bio-adsorbent: kinetic, isotherm and thermodynamic studies**  
TAMER Y., BERBER H.  
JOURNAL OF MACROMOLECULAR SCIENCE PART A-PURE AND APPLIED CHEMISTRY, vol.59, no.4, pp.315-328, 2022 (SCI-Expanded)

- VIII. **High Adsorption Performance of Graphene Oxide Doped Double Network Hydrogels for Removal of Azo Dyes from Water and Their Kinetics**  
Tamer Y., Ozeren M. D., Berber H.  
JOURNAL OF POLYMERS AND THE ENVIRONMENT, vol.29, no.12, pp.4000-4016, 2021 (SCI-Expanded)
- IX. **In vitro evaluation of alpha-tocopherol loaded carboxymethylcellulose chitosan copolymers as wound dressing materials**  
Bilgic M. B., Lacin N., Berber H., Mansuroğlu B.  
MATERIALS TECHNOLOGY, vol.34, pp.386-393, 2019 (SCI-Expanded)
- X. **The Effects of Feeding Ratio on Final Properties of Vinyl Acetate-based Latexes via Semi-continuous Emulsion Copolymerization**  
Berber Yamak H., Tamer Y., Yildirim H.  
Colloid And Polymer Science, vol.296, pp.211-221, 2018 (SCI-Expanded)
- XI. **Solid Phase Extraction of Trace Al(III), Fe(II), Co(II), Cu(II), Cd(II) and Pb(II) Ions in Beverages on Functionalized Polymer Microspheres Prior to Flame Atomic Absorption Spectrometric Determinations**  
BERBER H., ALPDOĞAN G.  
ANALYTICAL SCIENCES, vol.33, no.12, pp.1427-1433, 2017 (SCI-Expanded)
- XII. **Synthesis and properties of waterborne few-layer graphene oxide/poly (MMA-co-BuA) nanocomposites by in situ emulsion polymerization**  
BERBER H., UCAR E., Sahinturk U.  
COLLOIDS AND SURFACES A-PHYSCOCHEMICAL AND ENGINEERING ASPECTS, vol.531, pp.56-66, 2017 (SCI-Expanded)
- XIII. **Electrical, Morphological, Thermal and Mechanical Properties of Low Density Polyethylene/Zinc Oxide Nanocomposites Prepared by Melt Mixing Method**  
Berber Yamak H., Altan M., Altundal A.  
Optoelectronics And Advanced Materials-Rapid Communications, vol.10, pp.925-934, 2016 (SCI-Expanded)
- XIV. **Electrical and mechanical properties of LDPE/PANI composites**  
Alkan U., Kılıç M., Karabul Y., Yamak H., Okutan M., İçelli O.  
JOURNAL OF NANOELECTRONICS AND OPTOELECTRONICS, vol.11, pp.343-348, 2016 (SCI-Expanded)
- XV. **The effect of maleic acid diesters type on the stability of vinyl acetate emulsion polymers**  
Yamak H., Tamer Y., Yildirim H.  
COLLOIDS AND SURFACES A-PHYSCOCHEMICAL AND ENGINEERING ASPECTS, vol.497, pp.233-241, 2016 (SCI-Expanded)
- XVI. **Structural and Physicochemical Properties of a Polymerizable Surfactant Synthesized from N-Methylol Acrylamide**  
Tamer Y., Yamak H., Yildirim H.  
JOURNAL OF SURFACTANTS AND DETERGENTS, vol.19, no.2, pp.405-412, 2016 (SCI-Expanded)
- XVII. **Preconcentration and Determination of Iron, Nickel, Lead and Zinc after Solid Phase Extraction using 5-Aphen Functionalized poly(GMA-MMA-DVB) Microspheres**  
ALPDOĞAN G., Yamak H., Zor S. D., Elmali F.  
CURRENT ANALYTICAL CHEMISTRY, vol.12, no.5, pp.500-509, 2016 (SCI-Expanded)
- XVIII. **Improvement of film properties of vinyl acetate based emulsion polymers by using different types of maleic acid diesters**  
Yamak H., Yildirim H.  
PROGRESS IN ORGANIC COATINGS, vol.76, no.12, pp.1874-1878, 2013 (SCI-Expanded)
- XIX. **Synthesis and Characterization of Silicone-Based Surfactants as Anti-Foaming Agents**  
Kekevi B., BERBER H., Yildirim H.  
JOURNAL OF SURFACTANTS AND DETERGENTS, vol.15, no.1, pp.73-81, 2012 (SCI-Expanded)
- XX. **A comparative study on water-based coatings prepared in the presence of oligomeric and conventional protective colloids**  
BERBER H., SARAÇ A., Yildirim H.

PROGRESS IN ORGANIC COATINGS, vol.71, no.3, pp.225-233, 2011 (SCI-Expanded)

- XXI. **Synthesis and characterization of water-based poly(vinyl acetate-co-butyl acrylate) latexes containing oligomeric protective colloid**  
Berber Yamak H., Saraç A., Yıldırım H.  
POLYMER BULLETIN, vol.66, no.7, pp.881-892, 2011 (SCI-Expanded)
- XXII. **Preparation and Metal Sorption Properties of GMA-MMA-DVB Microspheres Functionalized with 2-Aminothiazole**  
BERBER H., Alpdoan G., AŞÇI B., Yıldırım H., Sungur S.  
ANALYTICAL LETTERS, vol.43, no.15, pp.2331-2339, 2010 (SCI-Expanded)
- XXIII. **Determination of some heavy metal ions with a carbon paste electrode modified by poly(glycidylmethacrylate-methylmethacrylate-divinylbenzene) microspheres functionalized by 2-aminothiazole**  
Sar E., Berber H., Asct B., Cankurtaran H.  
ELECTROANALYSIS, vol.20, pp.1533-1541, 2008 (SCI-Expanded)
- XXIV. **Semi-continuous emulsion copolymerization of vinyl acetate and butyl acrylate using a new protective colloid. Part 2. Effects of monomer ratio and initiator**  
Saraç A., Berber H., Yıldırım H.  
POLYMERS FOR ADVANCED TECHNOLOGIES, vol.17, pp.860-864, 2006 (SCI-Expanded)

## Articles Published in Other Journals

- I. **DEVELOPMENT OF AMPHOTERICIN-B LOADED NANOPARTICLES AND EVALUATION THE ANTIMICROBIAL POTENCY**  
Öz U. C., Rızvanoğlu S. S., Abamor E. Ş., Cengiz G., Berber H., Derman S., Eryılmaz M., Bozkır A.  
ANKARA UNIVERSİTESİ ECZACILIK FAKULTESİ DERGİSİ, vol.47, no.3, pp.33-40, 2023 (Scopus)
- II. **DEVELOPMENT OF AMPHOTERICIN-B LOADED NANOPARTICLES AND EVALUATION THE ANTIMICROBIAL POTENCY AMFOTERİSİN-B ENKAPSÜLE EDİLMİŞ NANOPARTİKÜLLERİN ANTİMİKROBİYAL POTENSİNİN DEĞERLENDİRİLMESİ**  
ÖZ U. C., RIZVANOĞLU S. S., ABAMOR E. Ş., CENGİZ G., BERBER H., DERMAN S., ERYILMAZ M., BOZKIR A.  
Ankara Üniversitesi Eczacılık Fakültesi Dergisi, vol.47, no.3, pp.1033-1040, 2023 (Scopus)
- III. **The Effects of PANI Concentration on the Mechanical Properties of PP/PANI Composites**  
Kılıç M., Alkan Ü., Karabul Y., Berber Yamak H., İçelli O.  
Afyon Kocatepe Üniversitesi Fen ve Mühendislik Bilimleri Dergisi, vol.18, pp.426-433, 2018 (Peer-Reviewed Journal)
- IV. **Thermal, Mechanical and Water Resistance Properties of LDPE/Starch Bio-Based Polymer Blends For Food Packing Applications**  
BERBER YAMAK H.  
JOURNAL OF THE TURKISH CHEMICAL SOCIETY, SECTION A: CHEMISTRY, vol.3, no.3, pp.637-656, 2016 (Peer-Reviewed Journal)

## Books & Book Chapters

- I. **Emulsion Polymerization: Effects of Polymerization Variables on the Properties of Vinyl Acetate Based Emulsion Polymers**  
BERBER YAMAK H.  
in: Polymer Science, Yılmaz Faris, Editor, InTechOpen, Rijeka, pp.35-72, 2013

## Refereed Congress / Symposium Publications in Proceedings

- I. **Three-Dimensional Printing-Based Fabrication and Enhancement of Nerve Tissue Connectors Augmented with Nanoparticles**  
Kaçar N., BERBER H., YILMAZER H., SADIKOĞLU H.  
Applications of Chemistry in Nanosciences and Biomaterials Engineering, BUCAREST, Romania, 28 - 30 June 2023
- II. **Production and Development of Nervous Tissue Connectors Functioned with Nanoparticle, Pharmaceutical and Animal Derived Extracellular Matrix by 3D Printing**  
Kaçar N., BERBER H., YILMAZER H., SADIKOĞLU H.  
The 16th International Scientific Research Congress, 23 - 24 March 2023
- III. **Grafen Oksit Katkılı Kitosan/Akril amid/İtakonik Asit Yarı-IPN Hidrojel Biyo-Adsorbanların Sentezi ve Karakterizasyonu**  
Koşucu A., Özkök M. M., Uzun E., Berber H.  
Uluslararası Katılımlı VIII. Polimer Bilim ve Teknolojisi Kongresi, Malatya, Turkey, 20 - 23 June 2022, pp.166
- IV. **EFFECT OF RECYCLED REINFORCED GLASS FIBER POLYAMIDE 66 ON STRUCTURAL AND MECHANICAL PROPERTIES**  
Gültürk C., Berber H.  
III. Akdeniz Bilimsel Araştırmalar Kongresi, Lefkoşa, Cyprus (Kkctc), 17 - 20 June 2021, pp.393-394
- V. **Synthesis and Characterization of Graphene Oxide Nano-sheets and Its application as Adsorbent for Wastewater Treatments**  
Özeren M. D., Tamer Y., Berber H.  
6th International Conference on Environmental Science and Technology (ICOEST) , Belgrade, Serbia, 21 - 25 October 2020, pp.16
- VI. **Otomotiv Sektörü için Polimer Kompozit Malzemelerin Hazırlanması ve Özelliklerinin İncelenmesi**  
Çelen U., Tamer Y., Berber H.  
31. Ulusal Kimya Kongresi, İstanbul, Turkey, 10 - 13 September 2019
- VII. **Production and Characterization of Functionalized Graphene/Acrylic Polymer Nanocomposites**  
Özeren M. D., BERBER YAMAK H.  
13thNanoscience Nanotechnology Conference,NanoTR-13, Antalya, Turkey, 22 - 25 October 2017
- VIII. **SELECTIVE PRECONCENTRATION/SEPARATION AND SENSITIVE DETERMINATION OF AL(III), FE(II), CO(II), CU(II), CD(II) AND PB(II) IONS IN BEVERAGES BY FUNCTIONALIZED POLYMERIC MICROSPHERES**  
BERBER YAMAK H., ALPDOĞAN G.  
3RD INTERNATIONAL CONFERENCE ON ENVIRONMENTAL SCIENCE AND TECHNOLOGY, Budapest, Hungary, 19 - 23 October 2017
- IX. **A NEW GRAPHENE OXIDE COMPOSITE HYDROGEL AS ADSORBENT FOR REMOVAL OF HARMFUL DYE POLLUTANTS FROM WASTEWATER**  
TAMER Y., BERBER YAMAK H.  
3RD INTERNATIONAL CONFERENCE ON ENVIRONMENTAL SCIENCE AND TECHNOLOGY, Budapest, Hungary, 19 - 23 October 2017
- X. **The Functionalization of Graphene Nanosheets with HEMA Functional Monomer for Use in Preparation of Polymer Nanocomposites**  
Özeren M. D., Berber Yamak H.  
9TH INTERNATIONAL SYMPOSIUM ON MOLECULAR MOBILITY AND ORDER IN POLYMER SYSTEMS, Sankt-Peterburg, Russia, 19 - 23 June 2017, vol.9785917531359, pp.90
- XI. **Alfa Tokoferol Yüklü Karboksümetilselüloz Kitosan Kopolimerlerinin Yara Örtü Materyali Olarak İn Vitro Değerlendirilmesi**  
Bilgiç M., MANSUROĞLU B., BERBER YAMAK H., Laçın M.  
8. Ulusal Kimya Kongresi, İstanbul, Turkey, 16 - 18 May 2017
- XII. **PREPARATION AND CHARACTERIZATION OF FLAME RETARDANT POLYMER COMPOSITES THROUGH EXTRUSION METHOD**  
YÜCESOY A., BERBER YAMAK H.  
INTERNATIONAL CONFERENCE ON ENERGY AND THERMAL ENGINEERING, İstanbul, Turkey, 23 - 28 April 2017

- XIII. **GO Poly MMA ko BuA Nanokompozitlerin Yerinde Emülsiyon Polimerizasyonu Yöntemi ile Sentezi ve Karakterizasyonu**  
UÇAR E., BERBER YAMAK H.  
6. ULUSAL POLİMER BİLİM VE TEKNOLOJİ KONGRESİ, Ankara, Turkey, 4 - 07 September 2016
- XIV. **THERMAL MECHANICAL AND ANTIBACTERIAL PROPERTIES OF LDPE STARCH BIO BASED POLYMER BLENDS FOR FOOD PACKING APPLICATIONS**  
BERBER YAMAK H.  
28. ULUSAL KİMYA KONGRESİ, Mersin Üniversitesi, Mersin, Mersin, Turkey, 15 - 21 August 2016
- XV. **Synthesis of Waterborne Graphene/Polymer Nanocomposites by Using in situ Emulsion Polymerization and Investigation of Colloidal and Film Properties of Nanocomposites**  
BERBER YAMAK H., Uçar E.  
Advanced Materials World Congress, Stockholm, Sweden, 23 - 26 August 2015
- XVI. **Electrical Properties of Low Density Polyethylene/Zinc Oxide Nanocomposite Films in Narrow Frequency Range**  
BERBER YAMAK H., Altan M., ARIKAN O.  
5th International Advances in Applied Physics and Materials Science Congress, Muğla/Fethiye, Turkey, 16 - 19 April 2015
- XVII. **Electrical, Thermal and Morphological Properties of Low Density Polyethylene/Zinc Oxide Nanocomposite Films**  
BERBER YAMAK H., Altan M., ALTINDAL A.  
International Conference on Advances in Composite Materials and Structures, İstanbul, Turkey, 13 - 15 April 2015
- XVIII. **Electrical and Mechanical Properties of PANI/LDPE Composites**  
Alkan Ü., Kılıç M., Karabul Y., Berber Yamak H., Okutan M., İçelli O.  
1st International Conference on Organic Electronic Material Technologies (OEMT'2015), Elazığ, Turkey, 25 - 28 March 2015
- XIX. **Improvement of Film Properties of Vinyl Acetate Based Emulsion Polymers by Using Different Types of Maleic Acid Diesters**  
BERBER YAMAK H., YILDIRIM H.  
8th Coatings Science International, Noordwijk, Netherlands, 25 - 29 June 2012
- XX. **Synthesis and Characterization of a New Polymerizable Surfactant for Use in the Emulsion Polymerization**  
BERBER YAMAK H., YILDIRIM H.  
POLYCHAR 20 World Forum on Advanced Materials, Dubrovnik, Croatia, 26 - 30 March 2012
- XXI. **Vinil Asetat Dioktil Maleat VAc DOM Kopolimer Latekslerinin Kararlılığına Reaktif Bir Koruyucu Koloidin Etkisinin İncelenmesi**  
BERBER YAMAK H., YILDIRIM H.  
25. Ulusal Kimya Kongresi, Atatürk Üniversitesi, Erzurum, Erzurum, Turkey, 27 June - 02 July 2011
- XXII. **Surface and Foam Characteristics of PPG b PDMS b PPG tri block copolymer as an anti foaming agent**  
KEKEVİ B., BERBER YAMAK H., YILDIRIM H.  
European Polymer Congress, Granada, Nicaragua, 26 June - 01 July 2011
- XXIII. **Improvement of the properties of poly(vinyl acetate) latexes using diesters of the maleic anhydride as comonomers**  
BERBER YAMAK H., YILDIRIM H.  
10th Workshop on Polymer Reaction Engineering, Hamburg, Germany, 10 - 13 October 2010
- XXIV. **Synthesis and characterization of silicone based surfactants as anti foaming agents**  
KEKEVİ B., BERBER YAMAK H., YILDIRIM H.  
Paint İstanbul 2010, Boya Sanayi ve Yardımcı Maddeler Kongre ve Fuarı, İstanbul, Turkey, 23 - 26 September 2010
- XXV. **The effects of emulsion polymerization conditions on the properties of poly vinyl acetate co dioctyl maleate latexes**  
BERBER YAMAK H., YILDIRIM H.  
Paint İstanbul 2010, Boya Sanayi ve Yardımcı Maddeler Kongre ve Fuarı, İstanbul, Turkey, 23 - 26 September 2010

- XXVI. **Poli vinil asetat ko dioktil maleat Latekslerinin Sentezi Koloidal ve Film Özelliklerinin İncelenmesi**  
BERBER YAMAK H., YILDIRIM H.  
23. Ulusal Kimya Kongresi, Cumhuriyet Üniversitesi, Sivas, Sivas, Turkey, 16 - 20 June 2009
- XXVII. **Köpük Kesici Olarak Kullanılan PPG b PDMS PPG Blok Kopolimerlerin Sentezi ve Karakterizasyonu**  
KEKEVİ B., BERBER YAMAK H., KAYA M. A., YILDIRIM H.  
23. Ulusal Kimya Kongresi, Cumhuriyet Üniversitesi, Sivas, Sivas, Turkey, 16 - 20 June 2009
- XXVIII. **Çaprazbağlı ve Yüksek Gözenekli PoliHIPE Malzemelerinin Sentezi ve Ağır Metallerin Uzaklaştırılmasında Kullanımı**  
TAMER Y., BERBER YAMAK H., YILDIRIM H.  
23. Ulusal Kimya Kongresi, Cumhuriyet Üniversitesi, Sivas, Sivas, Turkey, 16 - 20 June 2009
- XXIX. **Yüksek Gözenekli Polihipe Malzemelerin Sorpsiyon Özelliklerinin İncelenmesi**  
TAMER Y., MERT E. H., BERBER YAMAK H., KAYA M. A., YILDIRIM H.  
22. Ulusal Kimya Kongresi, Gazi Magosa, Kuzey Kıbrıs Türk Cumhuriyeti, Gazi Magosa, Cyprus (Kkct), 6 - 10 October 2008
- XXX. **Poli izobütülen ile Poli vinil asetat Lateks Blendlerinin ve Kompozitlerinin Hazırlanması Mekanik ve Morfolojik Özelliklerinin Belirlenmesi**  
KAYA M. A., BERBER YAMAK H., YILDIRIM H.  
22. Ulusal Kimya Kongresi, Gazi Magosa, Kuzey Kıbrıs Türk Cumhuriyeti, Gazi Magosa, Cyprus (Kkct), 6 - 10 October 2008
- XXXI. **Synthesis of Poly Vinyl Acetate Co Dioctyl Maleate Latex In The Presence Of N Methylolacrylamide As A New Oligomeric Protective Colloid**  
BERBER YAMAK H., YILDIRIM H.  
48th Microsymposium: Polymer Colloids: From Design to Biomedical and Industrial Applications, Prag, Czech Republic, 20 - 24 July 2008
- XXXII. **Synthesis Of Highly Porous PolyHIPE Materials And Removing Petroleum Wastes**  
TAMER Y., MERT E. H., BERBER YAMAK H., KAYA M. A., YILDIRIM H.  
48th Microsymposium Polymer Colloids: From Design to Biomedical and Industrial Applications, Prag, Czech Republic, 20 - 24 July 2008
- XXXIII. **HipeYöntemi İle Sentezlenen Çaprazbağlı Ve Gözenekli Poliester StirenPolimerlerinin Özellikleri Üzerine Polimerizasyon Koşullarının Etkilerinin İncelenmesi**  
TAMER Y., MERT E. H., BERBER YAMAK H., YILDIRIM H.  
2. Ulusal Polimer Bilim ve Teknolojisi Kongresi ve Sergisi, Şanlıurfa, Turkey, 30 April - 02 May 2008
- XXXIV. **2-Aminotiyazol ile Fonksiyonlandırılmış Poli(glisidilmetakrilat-di-vinilbenzen-metilmetakrilat) Mikrokürelı Karbon Pasta Elektrot ile Bazı Ağır Metallerin Eser Analizleri**  
Şar E., AŞÇI B., BERBER YAMAK H., CANKURTARAN H.  
XXI. Ulusal Kimya Kongresi, Malatya, Turkey, 23 August 2007
- XXXV. **Doymamış Poliester Reçinesinden HIPE Yöntemi Kullanılarak Çapraz Bağlı Ve Gözenekli Polimerlerin Sentezi Ve Karakterizasyonu**  
MERT E. H., TAMER Y., BERBER YAMAK H., YILDIRIM H.  
21. Ulusal Kimya Kongresi, İnönü Üniversitesi, Malatya, Malatya, Turkey, 23 - 27 August 2007
- XXXVI. **GMA DVB MMA Mikroküreleri Üzerine Değişen Süspansiyon Polimerizasyonu Koşullarının Etkilerinin İncelenmesi**  
BERBER YAMAK H., YILDIRIM H.  
21. Ulusal Kimya Kongresi, İnönü Üniversitesi, Malatya, Malatya, Turkey, 23 - 27 August 2007
- XXXVII. **Effect of Different Colloidal Stabilizators on the Some Properties of Vinyl Acetate co Butyl Acrylate Latexes**  
SARAÇ A., BERBER YAMAK H., YILDIRIM H.  
3rd China-Europe Symposium on "Processing and Properties of Reinforced Polymers, Budapest, Hungary, 11 - 15 June 2007
- XXXVIII. **Su Bazlı Latekslerin Mekanik Özellikleri Üzerine Bir Çalışma**  
SARAÇ A., BERBER YAMAK H., YILDIRIM H.

- XX. Ulusal Kimya Kongresi, Erciyes Üniversitesi, Kayseri, Kayseri, Turkey, 4 - 08 September 2006
- XXXIX. **A Study On Mechanical Properties of Water Based Latexes**  
SARAÇ A., BERBER YAMAK H., YILDIRIM H.  
1st European Chemistry Congress, Budapest, Hungary, 27 - 31 August 2006
- XL. **Preparation and Characterization of Cosmetic Creams**  
BERBER YAMAK H., Şenses F., KEKEVİ B., Tıĝcı Y., YILDIRIM H.  
The Seventh International Conference on Chemical Physics VII, Isparta, Turkey, 19 - 20 May 2006
- XLI. **Production of High Performance VAc co BuA Binders Containing High Amounts of Filler For Coating Applications**  
BERBER YAMAK H., SARAÇ A., YILDIRIM H.  
6th International Paint, Varnish, Ink Auxiliary Products Industry Congress Exhibition, İstanbul, Turkey, 17 - 19 May 2006
- XLII. **Amol İle Sentezlenen Vinil Asetat-Bütıl Akrilat Emülsiyon Kopolimerleri Üzerine Anyonik Ve Noniyonik Emülgatörlerin Etkisi**  
BERBER YAMAK H., SARAÇ A., YILDIRIM H.  
XIX. Ulusal Kimya Kongresi, Ege Üniversitesi, Aydın, Turkey, 30 September - 04 October 2005
- XLIII. **Semicontinuous Emulsion Copolymerization of Vinyl Acetate and Butyl Acrylate Using A New Protective Colloid Part 2 Effect of Monomer Ratio and Initiator**  
SARAÇ A., BERBER YAMAK H., YILDIRIM H.  
8th International Symposium Polymers for Advanced Technologies, Budapest, Hungary, 13 - 16 September 2005
- XLIV. **Semicontinuous Emulsion Copolymerization of Vinyl Acetate and Butyl Acrylate with A New Protective Colloid Effect of Different Initiators**  
BERBER YAMAK H., SARAÇ A., YILDIRIM H.  
23 rd Discussion Conference Current and Future Trends in Polymeric Materials, 2005, Prag, Czech Republic, 26 - 30 June 2005
- XLV. **Vinyl Acetate and Butyl Acrylate Emulsion Copolymerization Effect of Protective Colloids on Some Mechanical Properties**  
BERBER YAMAK H., SARAÇ A., YILDIRIM H.  
23 rd Discussion Conference Current and Future Trends in Polymeric Materials, 2005, Prag, Czech Republic, 26 - 30 June 2005
- XLVI. **Semi Batch Emulsion Copolymerization of Vinyl Acetate and Butyl Acrylate Effects of Various Monomer Ratio on Copolymer Latexes**  
BERBER YAMAK H., SARAÇ A., YILDIRIM H.  
2nd International Aegean Physical Chemistry Days, 2004, Balıkesir, Turkey, 7 - 10 October 2004
- XLVII. **Determination of Molecular Weights of Copolymer Latexes by Gel Permeation Chromatography**  
BERBER YAMAK H., CEYLAN Ö., SARAÇ A., YILDIRIM H.  
4th Aegean Analytical Chemistry Days-AACD, Aydın, Turkey, 29 September - 03 October 2004
- XLVIII. **Effect of Protective Colloids on the Some Mechanical Properties of Vinyl Acetate co Butyl Acrylate Latexes**  
SARAÇ A., BERBER YAMAK H., YILDIRIM H.  
International Conference on Functional Acrylates-ICFA, İstanbul, Turkey, 31 August - 04 September 2004
- XLIX. **Oligomerik Yeni Bir Stabilizatör Kullanılarak Vinil Asetat Bütıl Akrilat Emülsiyon Kopolimerlerinin Sentezi Ve Karakterizasyonu**  
BERBER YAMAK H., SARAÇ A., YILDIRIM H.  
XVIII. Ulusal Kimya Kongresi, Kafkas Üniversitesi, Kars, Kars, Turkey, 5 - 09 July 2004
- L. **Boya Endüstrisi İçin Su Bazlı Alternatif Binderlerin Üretimi 3 Monomer Oranının Etkisi**  
BERBER YAMAK H., SARAÇ A., YILDIRIM H.  
V. International Paint, Varnish, Ink Auxiliary Products Industry Conference Exhibition, İstanbul, Turkey, 15 - 17 April 2004
- LI. **Sıcaklık Duyarlı Poli Akriloil L Prolin metil ester Kappa Karragenan kompozit Hidrojellerinin Hazırlanması ve Şişme Davranışlarının İncelenmesi**



## Supported Projects

- BERBER H., ÜNLÜTÜRK M., Project Supported by Higher Education Institutions, Grafen Oksit Silika Nanohibrit Katkılı Su Bazlı Polimerik Nanokompozit Kaplamaların Geliştirilmesi, 2022 - Continues
- YILMAZER H., SADIKOĞLU H., METE GÜNAYDIN H., TOKAT P., YILMAZER Y., SÜMER T., TOKER Ö. S., BERBER H., PRZEKORA A., ŞENGÖR M., et al., Project Supported by Higher Education Institutions, Cilt Hastalık Hastalıkları Tedavisinde Kullanılacak Doku İskelelerinin 3B Biyobasım Yolu ile Sentezlenmesi ve Geliştirilmesi, 2022 - Continues
- Yılmaz H., Sadıkoğlu H., Berber H., Yılmaz Y., Research Project of the Presidency of Turkey Health Institutes (TÜSEB), Yanık Tedavisi için Sığla Ağacından Şikimik Asit Ekstraktı ve ZnO Nanopartikül ile Fonksiyonlandırılmış Doku İskelelerinin 3B Yazıcı Teknolojileri ile Geliştirilmesi, 2023 - 2024
- BERBER H., DİNÇ ZOR Ş., TAMER Y., KOŞUCU A., Project Supported by Higher Education Institutions, YÜKSEK PERFORMANSLI VE ÇEVRE DOSTU GO KATKILI NANOKOMPOZİT HİDROJEL ADSORBANLARIN GELİŞTİRİLMESİ VE ADSORPSİYON KAPASİTELERİNİN İNCELENMESİ, 2021 - 2023
- BERBER H., Gültürk C., Project Supported by Higher Education Institutions, Otomotiv Sektöründe Kullanılan Poliamid 6.6/Cam Elyaf Kompozitlerinin Mekaniksel Geri Dönüştürülebilirliğinin Araştırılması ve Geri Dönüştürülmüş Kompozitlerin Özelliklerinin İncelenmesi, 2021 - 2023
- Berber H., Tamer Y., Project Supported by Higher Education Institutions, NANODOLGU İLAVESİ İLE PC/ASA KARIŞIMLARININ ISIL BOZUNMA VE ALEV DAYANIMININ GELİŞTİRİLMESİ, 2021 - 2023
- Abamor E. Ş., Berber H., Allahverdiyev A., Bağırova M., TUBITAK Project, Visseral Leishmaniasise Karşı Polikaprolakton Temelli İmmünokemoterapötik Ajanları İçeren Nanopartiküler Taşıyıcı Sistemlerin Geliştirilmesi, 2017 - 2020
- BERBER H., Özeren M. D., Project Supported by Higher Education Institutions, GrafenPolimer Nanokompozitlerin Emülsiyon Polimerizasyonu Yöntemi ile Üretimi ve Karakterizasyonu, 2017 - 2018
- BERBER H., Project Supported by Higher Education Institutions, Alev Geciktirici Polimer Kompozitlerin Ekstrüzyon Yöntemi ile Hazırlanması ve Karakterizasyonu, 2016 - 2018
- AKSAKAL B., ŞAHİNTÜRK U., SAY Y., BERBER H., Project Supported by Higher Education Institutions, Organik Tuz Destekli Sıvı Faz Eksfolasyon ile Yüksek Kalitede Grafen Üretimi, 2015 - 2018
- BERBER H., Project Supported by Higher Education Institutions, Yerinde Emülsiyon Polimerizasyonu Yöntemi Kullanılarak Grafen Oksit Katkılı Polimer Nanokompozitlerin Hazırlanması ve Karakterizasyonu, 2015 - 2017
- BERBER H., Project Supported by Higher Education Institutions, Emülsiyon Polimerizasyonu Yöntemi Kullanılarak Su Bazlı Anorganik/Polimer Nanokompozitlerinin Üretilmesi, Nanokompozitlerin Koloidal ve Film Özelliklerinin İncelenmesi, 2014 - 2017
- BERBER H., Project Supported by Other Official Institutions, "Endüstride Genel Amaçlı Kullanılan Termoplastiklerin Geri Dönüşümü İçin Yeni Bir Uyumlaştırıcı Sentezi", 2015 - 2016
- Turhan K., Berber H., Saraç A., Premiership, Çok Amaçlı İnisurflerin (Başlatıcı-Yüzey Aktif Maddeler) Sentezi ve Uygulama Alanlarının Geliştirilmesi, 2005 - 2007
- Turhan K., Berber H., Saraç A., Yıldırım H., Premiership, Endüstriyel Uygulamalı Su Bazlı Latekslerin Farklı Yöntemlerle Üretimi ve Kullanım Özelliklerinin Geliştirilmesi, 2004 - 2006

## Metrics

Publication: 82

Citation (WoS): 113

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H-Index (Scopus): 8

## Congress and Symposium Activities

31. Ulusal Kimya Kongresi / Fizikokimya Oturumu , Moderator, İstanbul, Turkey, 2019
- 9th International IUPAC Symposium Molecular Mobility and Order in Polymer Systems / The Functionalization of Graphene Nanosheets with HEMA Functional Monomer For Use in Preparation of Polymer Nanocomposites, Working Group, Palana, Russia, 2017
- International Conference on Energy and Thermal Engineering / Preparation and Characterization of Flame Retardant Polymer Composites Through Extrusion Method, Working Group, İstanbul, Turkey, 2017
28. Ulusal Kimya Kongresi / Thermal, Mechanical and Antibacterial Properties of LDPE/Starch Bio-based Polymer Blends for Food Packing Applications, Working Group, Mersin, Turkey, 2016
- Uluslararası Polimerik Kompozitlerin Özel Uygulamaları Çalıştayı / Polimer Kompozitler, Working Group, İstanbul, Turkey, 2016
- Advanced Materials World Congress / Synthesis of Waterborne Graphene/Polymer Nanocomposites by Using in situ Emulsion Polymerization and Investigation of Colloidal and Film Properties of Nanocomposites, Working Group, Stockholm, Sweden, 2015
- The 8th International Conference On Advanced Materials / Electrical and Mechanical Properties of PP/PANI Composites, Working Group, Bucuresti, Romania, 2015
- 5th International Advances in Applied Physics and Materials Science Congress / Electrical Properties of Low Density Polyethylene/Zinc Oxide Nanocomposite Films in Narrow Frequency Range, Working Group, Muğla, Turkey, 2015
- International Conference on Advances in Composite Materials and Structures / Electrical, Thermal and Morphological Properties of Low Density Polyethylene/Zinc Oxide Nanocomposite Films, Working Group, İstanbul, Turkey, 2015
- 1st International Conference on Organic Electronic Material Technologies / Electrical and Mechanical Properties of PANI/LDPE Composites, Working Group, Elazığ, Turkey, 2015
- Grafen Bazlı Nano-Kompozit Malzemeler Hakkında Türk - Alman İşbirliği Oluşturma Çalıştayı / Grafen Esaslı Polimer Nanokompozitler, Working Group, Ankara, Turkey, 2014
- Progress in Organic Coatings / Improvement of Film Properties of Vinyl Acetate Based Emulsion Polymers by Using Different Types of Maleic Acid Diesters, Working Group, Amsterdam, Netherlands, 2012
- Journal of Surfactants and Detergents / Synthesis and Characterization of a New Polymerizable Surfactant for Use in the Emulsion Polymerization, Working Group, Dubrovnik, Croatia, 2012
- Recent Advances in Synthetic and Biological Gels / Sentetik ve Biyolojik Polimer Jeller, Working Group, İstanbul, Turkey, 2011
25. Ulusal Kimya Kongresi / Vinil Asetat-Dioktil Maleat (VAc-DOM) Kopolimer Latekslerinin Kararlılığına Reaktif Bir Koruyucu Koloidin Etkisinin İncelenmesi, Working Group, Erzurum, Turkey, 2011
- Atomik Kuvvet ve Taramalı Tip Mikroskopi Teknikleri ile Yüzey Karakterizasyonu / Polimer Malzeme Karakterizasyonu, Working Group, İstanbul, Turkey, 2011
- European Polymer Congress / Surface and Foam Characteristics of PPG-b-PDMS-b-PPG Tri-Block Copolymer as an Anti-foaming Agent, Working Group, Granada, Spain, 2011
- Kontrollü Salım Sistemleri 7.Sempozyumu / Kontrollü İlaç Salım Sistemleri, Working Group, İstanbul, Turkey, 2011
- Paint İstanbul 2010, Boya Sanayi ve Yardımcı Maddeler Kongre ve Fuarı / The Effects of Emulsion Polymerization Conditions on the Properties of Poly Vinyl Acetate Co-dioctyl Maleate Latexes, Working Group, Hamburg, Germany, 2010
- Paint İstanbul 2010, Boya Sanayi ve Yardımcı Maddeler Kongre ve Fuarı / Synthesis and Characterization of Silicone Based Surfactants as Anti Foaming Agents, Working Group, İstanbul, Turkey, 2010
23. Ulusal Kimya Kongresi / Çapraz Bağlı ve Yüksek Gözenekli PoliHİPE Malzemelerinin Sentezi ve Ağır Metallerin Uzaklaştırılmasında Kullanımı, Working Group, Sivas, Turkey, 2009
23. Ulusal Kimya Kongresi / Köpük Kesici Olarak Kullanılan PPG-b-PDMS-PPG Blok Kopolimerlerin Sentezi ve Karakterizasyonu, Working Group, Sivas, Turkey, 2009
23. Ulusal Kimya Kongresi / Poli(Vinil Asetat-ko-Dioktil Maleat) Latekslerinin Sentezi, Koloidal ve Film Özelliklerinin İncelenmesi, Working Group, Sivas, Turkey, 2009
- Uluslararası Katılımlı Polimerik Kompozitler Sempozyum-Sergi Ve Çalıştayları / Polimer Kompozit Malzemeler, Working Group, İzmir, Turkey, 2008
22. Ulusal Kimya Kongresi / (Poli(İzobütilen) ile Poli(Vinil Asetat) Lateks Blendlerinin ve Kompozitlerinin Hazırlanması,

Mekanik ve Morfolojik Özelliklerinin Belirlenmesi, Working Group, Gazimagusa, Cyprus (Kkct), 2008

22. Ulusal Kimya Kongresi / Yüksek Gözenekli PoliHIPE Malzemelerin Sorpsiyon Özelliklerinin İncelenmesi, Working Group, Gazimagusa, Cyprus (Kkct), 2008

48th Microsymposium Polymer Colloids: From Design to Biomedical and Industrial Applications / Synthesis of Highly Porous PolyHIPE Materials and Removing Petroleum Wastes, Working Group, Praha, Czech Republic, 2008

48th Microsymposium: Polymer Colloids: From Design to Biomedical and Industrial Applications / Synthesis of Poly(Vinyl Acetate-Co-Dioctyl Maleate) Latex in the Presence of N-Methylolacrylamide as a New Oligomeric Protective Colloid, Working Group, Praha, Czech Republic, 2008

2. Ulusal Polimer Bilim ve Teknolojisi Kongresi ve Sergisi / Hipe Yöntemi ile Sentezlenen Çapraz Bağlı ve Gözenekli Poliester-Stiren Polimerlerinin Özellikleri Üzerine Polimerizasyon Koşullarının Etkilerinin İncelenmesi, Working Group, Şanlıurfa, Turkey, 2008

21. Ulusal Kimya Kongresi / 2-Aminotiyazol ile Fonksiyonlandırılmış Poli(Glisidil Metakrilat – Divinil Benzen – Metil Metakrilat) Mikrokürelü Karbon Pasta Elektrot ile Bazı Ağır Metallerin Eser Analizleri, Working Group, Malatya, Turkey, 2007

21. Ulusal Kimya Kongresi / Doymamış Poliester Reçinesinden, HIPE Yöntemi Kullanılarak Çapraz Bağlı ve Gözenekli Polimerlerin Sentezi ve Karakterizasyonu, Working Group, Malatya, Turkey, 2007

21. Ulusal Kimya Kongresi / GMA-DVB-MMA Mikrokürelü Üzerine Değişen Süspansiyon Polimerizasyonu Koşullarının Etkilerinin İncelenmesi, Working Group, Malatya, Turkey, 2007

3rd China-Europe Symposium on Processing and Properties of Reinforced Polymers / Effect of Different Colloidal Stabilizers on the Some Properties of Vinyl Acetate-co-Butyl Acrylate Latexes, Working Group, Budapest, Hungary, 2007

XX. Ulusal Kimya Kongresi / Su Bazlı Latekslerin Mekanik Özellikleri Üzerine Bir Çalışma, Working Group, Kayseri, Turkey, 2006

1st European Chemistry Congress / A Study on Mechanical Properties of Water-based Latexes, Working Group, Budapest, Hungary, 2006

6th International Paint, Varnish, Ink Auxiliary Products Industry Congress Exhibition / Production of High Performance VAc-co-BuA Binders Containing High Amounts of Filler For Coating Applications, Working Group, İstanbul, Turkey, 2006

The Seventh International Conference on Chemical Physics / Preparation and Characterization of Cosmetic Creams, Working Group, Isparta, Turkey, 2006

8th International Symposium Polymers for Advanced Technologies / Semicontinuous Emulsion Copolymerization of Vinyl Acetate and Butyl Acrylate Using a New Protective Colloid Part 2 Effect of Monomer Ratio and Initiator, Working Group, Budapest, Hungary, 2005

XIX. Ulusal Kimya Kongresi / Amol ile Sentezlenen Vinil Asetat-bütül Akrilat Emülsiyon Kopolimerleri Üzerine Anyonik ve Noniyonik Emülgatörlerin Etkisi, Working Group, İzmir, Turkey, 2005

8th International Symposium Polymers For Advanced Technologies / Semicontinuous Emulsion Copolymerization of Vinyl Acetate and Butyl Acrylate Using A New Protective Colloid Part 2. Effect of Monomer Ratio and Initiator, Working Group, Budapest, Hungary, 2005

23rd Discussion Conference Current and Future Trends in Polymeric Materials / Semicontinuous Emulsion Copolymerization of Vinyl Acetate and Butyl Acrylate with a New Protective Colloid. Effect of Different Initiators, Working Group, Praha, Czech Republic, 2005

23rd Discussion Conference Current and Future Trends in Polymeric Materials / Vinyl Acetate and Butyl Acrylate Emulsion Copolymerization: Effect of Protective Colloids on Some Mechanical Properties, Working Group, Praha, Czech Republic, 2005

2nd International Aegean Physical Chemistry Days / Semi-Batch Emulsion Copolymerization of Vinyl Acetate and Butyl Acrylate: Effects of Various Monomer Ratio on Copolymer Latexes, Working Group, Balıkesir, Turkey, 2004

International Conference on Functional Acrylates-ICFA / Effect of Protective Colloids on the Some Mechanical Properties of Vinyl Acetate-co-Butyl Acrylate Latexes, Working Group, İstanbul, Turkey, 2004

4th Aegean Analytical Chemistry Days-AACD / Determination of Molecular Weights of Copolymer Latexes by Gel Permeation Chromatography, Working Group, Aydın, Turkey, 2004

XVIII. Ulusal Kimya Kongresi / Oligomerik Yeni Bir Stabilizatör Kullanılarak Vinil Asetat-Bütül Akrilat Emülsiyon Kopolimerlerinin Sentezi ve Karakterizasyonu, Working Group, Kars, Turkey, 2004

V. International Paint, Varnish, Ink Auxiliary Products Industry Conference Exhibition / Boya Endüstrisi İçin Su Bazlı Alternatif Binderlerin Üretimi 3: Monomer Oranının Etkisi, Working Group, İstanbul, Turkey, 2004  
XV. Ulusal Kimya Kongresi / Sıcaklık Duyarlı Poli(Akriloil-L-Prolin Metil Ester/Kappa Karragenan) Kompozit Hidrojellerinin Hazırlanması ve Şişme Davranışlarının İncelenmesi, Working Group, İstanbul, Turkey, 2001