

Curriculum Vitae

Elvan Yılmaz

Faculty Member
Department of Chemistry
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Personal Information

Marital status : Married & mother of two children
Nationality : 1) TRNC (Turkish Republic of Northern Cyprus)
2) TC (Republic of Turkey)
Date of Birth : 16/6/1961
Place of Birth : Nicosia, Cyprus

Education

Ph.D. in Chemistry, 1991, Middle East Technical University, Ankara
Thesis Title: Monomer Reactivity Ratios and Dipole Moments of Styrene-4-Vinylpyridine
(Thesis Supervisor: Prof.Dr. Zühal Küçükyavuz)

M.S. in Chemistry, 1985, Middle East Technical University, Ankara

Thesis Title: Crystal Structure Effect on Polymerization of Allylthiourea
(Thesis Supervisor: Prof.Dr. Ali Usanmaz)

B.S. in Chemistry, 1983, Middle East Technical University, Ankara

Employment

2003 – Professor of Chemistry, Eastern Mediterranean University, TRNC
1996-2003 Assoc.Prof.Dr. - Eastern Mediterranean University, TRNC
1991 – 1996 Asst..Prof.Dr. - Eastern Mediterranean University, TRNC
1987-1991 Research Assistant - Middle East Technical University, Ankara
1986-1987 Chemistry Teacher (Nicosia Turkish High School) - Lefkoşa Türk Lisesi TRNC
1985–1986 Teaching Assistant - University of Arizona, Tucson, Arizona USA
1983-1985 Research Assistant - Middle East Technical University, Ankara

Courses Taught

Chem101 General Chemistry
Chem211 Physical Chemistry I
Chem212 Physical Chemistry II
Sci 222 Science, Technology and Society
Chem339 Biomaterials
Chem471 Fine Chemicals
Chem507 Special Topics in Physical Chemistry
Chem511 Principles of Polymer Science
Chem514 Copolymers and Polymer Blends
Chem532 Polymers in Solution
Chem534 Natural Polymers

Articles in Refereed Journals

SCI/SCIE-Indexed Articles

1. Mamoon Alokour, Elvan Yilmaz, Gizem Şanlıtürk, Mümtaz Güran, "Synthesis, monomer reactivity ratios and antibacterial activity of 2-hydroxy ethyl methacrylate and 2-(Diethylamino) ethyl methacrylate copolymers" Journal of Polymer Research, 29 (2022), 63.
2. Selma Ustürk, Ergül Mutlu Altundag, Elvan Yilmaz, "Pullulan/polyHEMA cryogels: Synthesis, physicochemical properties, and cell viability", Journal of Applied Polymer Science 2021; e51822.
3. Ergül Mutlu Altundag, Cahit Özbilenler, Selma Ustürk, Namık Refik Kerküklü, Masoud Afshani, Elvan Yilmaz, "Metal - based curcumin and quercetin complexes: cell viability", ROS production and antioxidant activity, Journal of Molecular Structure, 1245 (2021) 131107.
4. Mamoon Alokour, Elvan Yilmaz, "A polymer hybrid film based on poly(vinyl cinnamate) and poly(2-hydroxy ethyl methacrylate) for controlled flurbiprofen release", Journal of Polymer Research, 26(2021), 137.
5. Marjan Hezarkhani, Selma Ustürk, Cahit Özbilenler, Elvan Yilmaz, "Pullulan/poly(N-vinylimidazole) cryogel: An efficient adsorbent for methyl orange, Journal of Applied Polymer Science, 2021; e50958.
6. Zirar M Mizwari, Akeem Adeyemi Oladipo & Elvan Yilmaz, "Chitosan/metal oxide nanocomposites: synthesis, characterization, and antibacterial activity", International Journal of Polymeric Materials and Polymeric Biomaterials, Early Access:Feb2020, DOI: 10.1080/00914037.2020.1725753
7. A.Alshhab, E.Yilmaz, "Sodium alginate/poly(4-vinylpyridine) polyelectrolyte multilayer films: Preparation, Characterization and ciprofloxacin HCl release, International Journal of Biological Macromolecules, 147(2020) 809-820.
8. M.Alokour, E.Yilmaz, "Photoinitiated synthesis of poly(poly(ethylene glycol) methacrylate-co-diethyl amino ethyl methacrylate) superabsorbent hydrogels for dye adsorption", Journal of Applied Polymer Science, 136 (2019) 47707.
9. E. Bahramzadeh, E. Yilmaz, T. Adali, "Chitosan-graft-poly(N-hydroxy ethyl acrylamide) copolymers: Synthesis, characterization and preliminary blood compatibility in vitro", International Journal of Biological Macromolecules 123 (2019) 1257-1266.
10. M. Hezarkhani, E. Yilmaz, "Pullulan modification via poly(N-vinylimidazole) grafting", International Journal of Biological Macromolecules 123 (2019) 159-156.
11. E.Yilmaz, Z.Yalinca, K. Yahya, U. Sirotna, "pH Responsive Graft Copolymers of Chitosan", International Journal of Biological Macromolecules, 90 (2016) 68–74.
12. Z.Yalinca, E. Yilmaz, A.D. Mohammed Kader, M.J. Hadi, "Effect of CaCO₃/HCl Pretreatment on the Surface Modification of Chitin Gel Beads via Graft Copolymerization of 2-hydroxy ethyl methacrylate and 4-vinylpyridine" International Journal of Biological Macromolecules 82 (2016) 208-216.
13. A. A. Oladipo, M. Gazi, E. Yilmaz, "Single and binary adsorption of azo and anthraquinone dyes by chitosan-based hydrogel: Selectivity factor and Box-Behnken process design" Chemical Engineering Research and Design, 104 (2015) 264-279.

14. Yalinca, Z., Yilmaz, E., Taneri, B., Bullici, F., Tüzmen, S., "Blood Contact Properties of Ascorbyl Chitosan", *J. Biomaterials Sci.-Polym. Ed.* (2013) 24(17) 1969-1987.
15. Yalinca, Z., Yilmaz, E., Taneri, B., Bullici, F., "A Comparative Study on Antibacterial Activities of Chitosan based Products and their Combinations with Gentamicin Against *S. Epidermidis* and *E. Coli*" *Polymer Bulletin* 70 (12) (2013) 3407-3423.
16. Oylum, H., Yilmaz, E., Yilmaz O., "Preparation of Chitin-g-Poly(4-vinylpyridine) Beads" *J. Macromol. Sci-Pure and Applied Chemistry*, (2013) A50(2) 221-229.
17. Farzad, H., Najafi F, Bengisu M, Yilmaz E., Hadavand, B.S., "Synthesis and Characterization of Aliphatic Tri-functional Oligomeric Urethane Methacrylate used for UV-Curable Aluminum Pigmented Coatings", *J. Macromol. Sci-Pure and Applied Chemistry*, (2013) A50(5) 504-512.
18. S. Saber-Samandari, O. Yilmaz, E. Yilmaz, "Photo-induced Graft Copolymerization Onto Chitosan Under Heterogeneous Conditions" *J. Macromol. Sci-Pure and Applied Chemistry*, A49 (7) (2012).
19. Z. Yalinca, E. Yilmaz, F.T. Bullici, "Evaluation of Chitosan tripolyphosphate Gel Beads as Bioadsorbents for Iron in Aqueous Solution and in Human Blood in vitro", *Journal of Applied Polymer Science*, 125 (2012) 1493-1505.
20. S. Saber-Samandari, M. Gazi, E. Yilmaz, "UV-induced synthesis of chitosan-g-polyacrylamide semi-IPN superabsorbent hydrogels" *Polymer Bulletin*, 68 (2012) 1623-1639.
21. T. Adali and E. Yilmaz, "Synthesis, characterization and biocompatibility studies on chitosan-graft-poly(EGDMA)", *Carbohydrate Polymers* 77 (2009) 136-141.
22. M. Bengisu, E. Yilmaz, H. Farzad, S.T. Reis, "Borate, Lithium Borate, and Borophosphate Powders by Sol-Gel Precipitation", *Journal of Sol-Gel Science and Technology* 45 (2008) 237-243.
23. H. Caner, E. Yilmaz, O. Yilmaz, "Synthesis, characterization and antibacterial activity of poly(N-vinylimidazole) grafted chitosan" *Carbohydrate Polymers* 69 (2007) 318-325.
24. E. Yilmaz, T. Adali, O. Yilmaz, M. Bengisu, "Grafting of poly(triethylene dimethacrylate) onto chitosan by ceric ion initiation", *Reactive and Functional Polymers* 67(1) (2007) 10-18.
25. Bengisu, M., Brow, R.K., Yilmaz, E., Mogus-Milankovich, Reis, S.T, "Aluminoborate and aluminoborosilicate glasses with high chemical durability and the effect of P₂O₅ additions on the properties", *J. Non-Crystalline Solids* 352 (2006) 3668-3676.
26. E. Yilmaz and M. Bengisu, "Drug Entrapment in Silica Microspheres through a Single Step Sol-Gel Process and In-Vitro Release Behavior", *J. Biomed. Mater. Res Part B – Appl. Biomater.*, 77B (2006) 149-155.
27. Yilmaz E., Ozalp D., Yilmaz O., "Miscibility Study of Chitosan/poly (vinylpyrrolidone) Blends in Dilute Solution", *Int. J. Polym. Anal. Charac.*, 10 (2005) 329-339.
28. Hasipoglu H., Caner H, Yilmaz E, Yilmaz O, "Preparation and Characterization of Maleic acid grafted chitosan" *Int. J. Polym. Anal. Charac.* 10 (2005) 313-327.
29. K. Ulubayram, A. Kiziltay, E. Yilmaz, N. Hasirci, "Desferrioxamine Release from gelatin-based systems" *Biotechnol. Appl. Biochem.* (2005) 42(3), 237-245.
30. Yilmaz, E., Erdenizci, N. And Yilmaz, O., "Miscibility of chitosan and PEO in dilute solution", *International Journal of Polymer Analysis and Characterization* (2003) 8(5), 327-338.
31. Yilmaz E. Bengisu, M., "Preparation and Characterization of Physical Gels and Beads from chitin solutions", *Carbohydrate Polym.* (2003) 54(4), 479-488.
32. Burke, A., Yilmaz, E., Hasirci, N., Yilmaz O., "Iron (III) Ion Removal from Solution through Adsorption onto Chitosan", *J. Appl. Polym. Sci.* (2002) 84, 1185-1192.
33. Bengisu, M. and Yilmaz, E., "Gelcasting of Alumina and Zirconia using Chitosan Gels",

Ceramics Int. (2002) 28, 431-438.

34. Bengisu, M. and Yilmaz, E., "Oxidation and pyrolysis of chitosan as a route for carbon fiber derivation", Carbohydrate Polym., (2002) 50(2), 165-175.
35. Caner, H., Hasipoğlu, H., Yilmaz O., Yilmaz, E., "Graft Copolymerization of 4-vinylpyridine onto Chitosan-I By Ceric Ion Initiation", Eur.Polym.J. (1998) 34(3/4), 493- 497.
36. Yilmaz, E., Yilmaz O., Caner, H., "Miscibility Studies on Polystyrene/ Poly(ethylene oxide) and Polybutadiene-graft- Polystyrene / Poly(ethylene oxide) Blends by Dilute Solution Viscometry", Eur.Polym.J., (1996) 32(8), 927-933.
37. Yilmaz, E., Küçükyavuz, Z., "Dipole Moments of Styrene-4-vinylpyridine Copolymers- II Relation to the Microstructure", Polym. Int. (1994) 33, 353-357.
38. Yilmaz, E., Küçükyavuz, Z., "Dipole Moments of Styrene-4-vinylpyridine Copolymers- I Relation to the Fraction of Polar Component", Polym. Int. (1994) 33, 237-242.
39. Yilmaz, E., Küçükyavuz, Z., "Monomer Reactivity Ratios of Styrene-4-vinylpyridine Copolymers at Low and High Conversions", Polymer (1993) 34(1), 145-149.
40. Usanmaz A., Yilmaz (Özkan) E., "Radiation Induced Solid State Polymerization of Allylthiourea and Crystal Structure Effects", J.Macromol.Sci.-Chem. (1987) A24(5), 479-491.

Articles in Refereed Journals

41. Burke, A., Yilmaz, E., Hasirci, N., "Evaluation of Chitosan as a Potential, Medical Iron(III) Ion Adsorbent", (2000) Turk.J.Med.Sci., 30, 341-348.
42. Yilmaz, E., Küçükyavuz, Z., "Compositional and Viscometric Analyses on Styrene-4-vinylpyridine Copolymers", Doga – Tr.J.Chemistry (1992) 16(3), 181-188.

Articles in Conference Proceedings

1. H. Oylum, E. Yilmaz, M. Bengisu, N. Hasirci, "Preparation and Characterization of Chitin Gels-A Comparative Study" Adv. in Chitin Sci. VIII (Eds. H. Struszyk, A. Domard, M.G. Peter, H. Pospieszny) 426-429 (2005) ESUS, Poznan, Poland.
2. M. Bengisu, E. Yilmaz, H. Oylum, H. Baglama, "In Vitro Degradation of Chitin Beads and Chitosan Films", Adv. in Chitin Sci. VIII (Eds. H. Struszyk, A. Domard, M.G. Peter, H. Pospieszny) 426-429 (2005) ESUS, Poznan, Poland.
3. Bengisu, M. and Yilmaz, E., "Chemical durability of alumina and selected glasses in simulated body fluid: effect of composition and surface abrasion", Adv. Exp. Med. Biol. (2004) 553, 103-112.
4. Yilmaz, E., "Chitosan: A Versatile Biomaterial", Adv. Exp. Med. Biol. (2004) 553, 59-68.
5. E. Yilmaz, A. Burke, N. Hasirci, O. Yilmaz, "Chelating Capacity of Chitosan for Complexed Iron(III)", Chitosan in Pharmacy and Chemistry (Eds. R.A.A. Muzzarelli, C.Muzzarelli), 225-229 (2002), Atec, Italy.
6. M. Bengisu, E. Yilmaz, Badreddine A., "Gelcasting of ceramic parts using chitin and chitosan gels", Chitosan in Pharmacy and Chemistry (Eds. R.A.A. Muzzarelli and C.Muzzarelli), 299 (2002), Atec, Italy.
7. H. Caner, H. Hasipoğlu, E. Yilmaz, O. Yilmaz, "Copolymerization of 4-Vinylpyridine, Maleic acid and Maleic anhydride onto Chitin and Chitosan-I By Ceric Ion Initiation", Adv. Chitin Sci. 4, (Eds. M.G.Peter, A.Domard and R.A.A. Muzzarelli), 405-410 (2000), Universitat Potsdam, Germany.

Other Articles

1. E.Yilmaz, O.Yilmaz and M.Bengisu, "From Biopolymers to Inorganic Gels" Research Spotlight in Research Newsletter, issue:1 year: 2007, 4-5, Eastern Mediterranean University.
2. E.Yilmaz, "Modified Chitins and Chitosans for Biomedical Applications", Research Newsletter, issue: 1 year: 2009 5-7, Eastern Mediterranean University

Professional Conferences (International)

1. A.Alshhab, E.Yilmaz, "Preparation and Properties of Sodium Alginate/Poly(4-vinylpyridine) Complex Membrane", Second International Biomedical Engineering Congress, Nicosia, North Cyprus, 24-27 March 2018.
2. E.Bahramzadeh, E.Yilmaz, T.Adali, "Chitosan-graft-poly(n-hydroxy ethyl acrylamide) copolymers: synthesis, characterization, anticoagulant activity", Second International Biomedical Engineering Congress, Nicosia, North Cyprus, 24-27 March 2018.
3. M.Hezarkhani, E.Yilmaz, "Synthesis and characterization of pullulan-graft-poly(n-vinylimidazole)", Second International Biomedical Engineering Congress, Nicosia, North Cyprus, 24-27 March 2018.
4. M. Alokour, E. Yilmaz, "Photoinitiated synthesis of poly(ethylene glycol methacrylate)-copoly(diethyl amino ethyl methacrylate) superabsorbent hydrogels" Second International Biomedical Engineering Congress, Nicosia, North Cyprus, 24-27 March 2018.
5. E.Yilmaz, "pH Responsive Graft Copolymers of Chitosan", International Biomedical Engineering Congress, Nicosia, North Cyprus, 12-14 March 2015. (Keynote Speaker)
6. Z.Yalinca, E. Yilmaz, D.A.K. Mohammed, J.M. Hadi, "The Potential of Chitin As a Grafting Substrate for Vinyl Polymers", International Biomedical Engineering Congress, Nicosia, North Cyprus, 12-14 March 2015.
7. Z.M. Taher, Z. Yalinca, E. Yilmaz, "Graft copolymerization of bis(2-methacryloyl oxyethyl)acid phosphate (BAP) onto chitosan", 44th World Chemistry Congress, Istanbul, Turkey, 11-16 August 2013.
8. Shakir, Z. Yalinca, E. Yilmaz, "UV induced homopolymerization of benzyl methacrylate", 44th World Chemistry congress, Istanbul, Turkey, 11-16 August 2013.
9. H.Farzad, E.Yilmaz, M.Gazi, M.Bengisu, "Modification of Ketac-Cem Radiopaque Glass Ionomer by Biopolymer Chitosan", Hybrid Materials 2011-, Second International Conference on Multifunctional, Hybrid and Nanomaterials, 6-10 March 2011, Strasbourg, France.
10. E.Yilmaz, "Modification of Chitosan via Grafting for Biomedical Applications" (invited) BIOMED 2009-15th International Biomedical Science and Technology Symposium, 16-19 August 2009, Middle East Technical University Northern Cyprus Campus, Güzelyurt, North Cyprus.
11. H. Oylum, Z. Yalinca, E. Yilmaz, O.Yilmaz, "Cholesterol Adsorptions onto Poly (4-Vinylpyridine) Grafted Chitin Beads", BIOMED 2009-15th International Biomedical Science and Technology Symposium, 16-19 August 2009, Middle East Technical University Northern Cyprus Campus, Güzelyurt, North Cyprus.
12. T. Adali, E. Yilmaz, Z. Yalinca, "Iron(III) Ion Adsorption on Polymethacrylate Grafted Chitosan Beads", BIOMED 2009 15th International Biomedical Science and Technology Symposium, 16-19 August 2009, Middle East Technical University Northern Cyprus Campus, Güzelyurt, North Cyprus.
13. T.Adali, E.Yilmaz, "Biodegradability and Dissolution Studies on EGDMA crosslinked PHEMA-graft-CHITOSAN" EPF-2007 European Polymer Conference 2007, Portoroz, Slovenia, 2-6 July 2007.

14. Z. Yalinca, E. Yilmaz, O.Yilmaz, “*Iron adsorption onto chitosan tripolyphosphate beads*” 1st European Chemistry Congress, Budapest, Hungary, August 27-31, 2006.
15. M. Bengisu , R. K. Brow, E. Yilmaz, A. Mogus-Milankovic, and S. T. Reis “*Boroaluminate and boroaluminosilicate glasses with high chemical durability and the effect of P₂O₅ additions on the properties*”, ISNCS 2005, 3rd International Symposium on Non-Crystalline Solids and 7th Brazilian Symposium on Glass and Related Materials, Maringa, Brasil, November 13-16 ,2005.
16. E. Yilmaz, M. Bengisu , H. Farzad, “*Sol-gel synthesis and characterization of borate glasses*”, ISNCS 2005, 3rd International Symposium on Non-Crystalline Solids and 7th Brazilian Symposium on Glass and Related Materials, Maringa, Brasil, November 13-16, 2005.
17. H. Oylum, E. Yilmaz, M. Bengisu, N. Hasirci, “*Preparation and characterization of chitin gels - a comparative study*”, EUCHIS'04, 6th International Conference of the European Chitin Society, Poznan, Poland, August 31- September 3, 2004.
18. M. Bengisu, E. Yilmaz, H. Oylum, H. Bağlama, “*In vitro degradation of chitin beads and chitosan films*”, EUCHIS'04, 6th International Conference of the European Chitin Society, Poznan, Poland, August 31- September 3, 2004.
19. T. Adalı, E. Yilmaz, “*Grafting of Methacrylic Acid Onto Chitosan*”, EUCHIS'04, 6th International Conference of the European Chitin Society, Poznan, Poland, August 31- September 3, 2004
20. H. Oylum, E. Yilmaz, M. Bengisu, “*Drug Release from Chitin Beads*” BIOMED 2004, 11th International Biomedical Science and Technology Days, Ankara, Turkey, September 6-10 2004.
21. B. Uylukçuoğlu, E. Yilmaz, I.D. Gürhan, N. Hasirci, “*Chitosan Micropsheres and Films in Controlled Release Applications*”, BIOMED 2004, 11th International Biomedical Science and Technology Days, Ankara, Turkey, September 6-10 2004.
22. E. Yilmaz, “*Use of Chitosan in Biomedical Applications*”, (invited), , BIOMED 10 – 10th Biomedical Science and Technology Symposium, METU Campus of Northern Cyprus, 10-12 October 2003.
23. M. Bengisu, E. Yilmaz, “*Chemical Durability of Ceramics and Glasses in Simulated Body Fluid and the Effect of Surface Conditioning*”, BIOMED 10 -10th Biomedical Science and Technology Symposium, METU Campus of Northern Cyprus, 10-12 October 2003.
24. B. Uylukcuoglu, E. Yilmaz, N. Hasirci, “*Controlled Release of Deferiprone from Chitosan Microspheres*”, BIOMED 10 -10th Biomedical Science and Technology Symposium, METU Campus of Northern Cyprus, 10-12 October 2003.
25. E. Yilmaz, M. Bengisu, “*Ibuprofen Release from Sol-Gel Formed Silica Microspheres*”, BIOMED 10 -10th Biomedical Science and Technology Symposium, METU Campus of Northern Cyprus, 10-12 October 2003.
26. A. Burke, B. Albayrak, N. Hasirci, E. Yilmaz “*Chitosan Microspheres and Membranes as Drug Delivery Systems*”, , BIOMED 10 -10th Biomedical Science and Technology Symposium, METU Campus of Northern Cyprus, 10-12 October 2003.
27. E.Yilmaz, A. Burke, N. Hasirci and O. Yilmaz, “*Chitosan as a potential, medical iron (III) chelator – ferric ion removal from jectofer solution*”, EUCHIS'2001 – 4th International Conference of the European Chitin Society, Senigallia, Italy, 6-10 May 2001.
28. B. Albayrak, N.Hasirci, A. Burke and E. Yilmaz “*Insulin release from chitosan microspheres*”, , EUCHIS'2001 – 4th International Conference of the European Chitin Society, Senigallia, Italy, 6-10 May 2001.

29. A. Burke, E. Yılmaz and N. Hasırcı “Desferal release through crosslinked chitosan membranes”, , BIYOMED 8 – 8th Biomedical Science and Technology Symposium, Ankara, Turkey, 5-8 September 2001.
30. H.Caner, H.Hasipoğlu, E.Yılmaz, O.Yılmaz, “Grafting of 4-vinylpyridine, maleic acid and maleic anhydride onto chitin and chitosan”, EUCHIS'99 - 3rd International Conference of the European Chitin Society, Potsdam Germany, 31 August -3 September1999.

Professional Conferences (National)

1. Z. Yalınca, E. Yılmaz, B. Taneri, Preparation and characterization of UV-initiated N-vinylimidazole grafted chitosan in Solvent Free Media, 3rd National Polymer Chemistry Congress, Kocaeli, 12 May-14 May, 2012.
2. Z. Yalınca, H. Uludağ, E.Yılmaz, B. Taneri, O.Yılmaz, “Chitosan, Chitosan Oligosaccharide, Carboxymethyl Chitosan As A Gene Carrier”, XX. Ulusal Biyoloji Kongresi, 21-25 Haziran, 2010, Denizli.
3. Z. Yalınca, H. Uludağ, E.Yılmaz, B. Taneri, O.Yılmaz, “Imidazole Photografted Chitosan As A Non Viral Vector For Gene Delivery”, XX. Ulusal Biyoloji Kongresi, 21-25 Haziran, 2010, Denizli
4. Z. Yalınca, E. Yılmaz, B. Taneri, “Çözücüsüz Ortamda UV Işınlama Yoluyla N-Vinil İmidazol Aşılantı Kitosan Parçaçıkların Sentezi ve Karakterizasyonu”, 3. Ulusal Polimer Kongresi, 12-14 Mayıs 2010, Kocaeli.
5. Z. Yalınca, E. Yılmaz, O. Yılmaz, “Kitosan İtikonat TPP jellerin hazırlanması ve karakterizasyonu”, XXIII. Ulusal Kimya Kongresi, 16-19 Haziran 2009, Sivas.
6. Z. Yalınca, E. Yılmaz, O. Yılmaz, “Kitosan Askorbat Tripolifosfat Jellerinin Hazırlanması ve Bu Jellerin Kolesterol Afiniteleri” Kimya-XXII: XXII Ulusal Kimya Kongresi 6-10 Ekim 2008, Gazimagusa, KKTC.
7. T. Adalı, E.Yılmaz, “Polimetakrilatların Kitosan Üzerine Aşılantı Ve Ürünlerin Biyobozunma Özellikleri” Kimya-XXII: XXII Ulusal Kimya Kongresi 6-10 Ekim 2008, Gazimagusa, KKTC.
8. O. Yılmaz, H. Erarslan, E. Yılmaz, “Kitosan Tripolifosfat Esterlerinin Hazırlanması, Jelleştirilmesi ve Karakterizasyonu” Kimya-XXII: XXII Ulusal Kimya Kongresi 6-10 Ekim 2008, Gazimagusa, KKTC.
9. H. Oylum, E.Yılmaz, O.Yılmaz, “Kitin-g-(poli(4-vinilpiridin)) Boncukların Hazırlanması ve Karakterizasyonu” Kimya-XXII: XXII Ulusal Kimya Kongresi 6-10 Ekim 2008, Gazimagusa, KKTC.
10. M. Semsarılar, Z. Yalınca, E. Yılmaz, M. Bengisu, O. Yılmaz, “Kitosan Boncukların Fiziksel Jel Oluşumu Yoluyla Hazırlanması ve Özelliklerinin Belirlenmesi” Kimya XIX; XIX. Ulusal Kimya Kongresi, 30 Eylül-4 Ekim 2005, Kuşadası, İzmir. (Preparation and Characterization of Physical Gels of Chitosan presented in 19th National Chemistry Congress, Kusadasi, 2005)
11. Z. Yalınca, M.Semsarılar E. Yılmaz, O. Yılmaz, M. Bengisu, “Kitosan Boncuklar Üzerine Fe⁺³ İyonu Yüzerilmesi”, XIX. Ulusal Kimya Kongresi, 30 Eylül-4 Ekim 2005, Kuşadası, İzmir. (Adsorption of Fe⁺³ Ion Onto Chitosan Gel Beads presented in 19th National Chemistry Congress, Kusadasi, 2005)
12. A. Burke, E.Yılmaz, N.Hasırcı, “Kitosanın Kanda Demir Tutuculuğu Üzerine Bir Çalışma”, 5. Ulusal Biyomedikal Bilim ve Teknoloji Sempozyumu, 16-18 Aralık 1998, Ankara. (An in vitro Study on Iron Adsorption Property of Chitosan in Human Blood Plasma presented in 5th National Biomedical Science and Technology Symposium, Ankara, 1998))

13. H. Hasipoğlu, E. Yılmaz, O. Yılmaz, H. Caner, "Kitosanın Maleik Anhidrit ve Maleik Asitle Aşılama Yoluyla Modifikasyonu" XII. Ulusal Kimya Kongresi, 7-11 Eylül 1998, Edirne. (Modification of Chitosan via Grafting by maleic anhydride and Maleic acid, presented in 12th National Chemistry Congress, Edirne, 1998)
14. H. Caner, H. Hasipoğlu, O. Yılmaz, E. Yılmaz, "4-Vinilpiridin Kitosan Üzerine Aşılama", , Türkçe Konuşulan Ülkeler 4. Polimer Sempozyumu, 18-20 Eylül 1996, İstanbul. (Grafting of 4-vinylpyridine onto Chitosan presented in Turkish Speaking Countries 4th Polymer Symposium, İstanbul, 1996)
15. E.Yılmaz, O.Yılmaz, H.Caner "Polistiren/Poli(etilenoksit) Karışımları Üzerinde Viskometrik Kompatibilite Çalışmaları", X. Ulusal Kimya Kongresi, 19-21 Eylül 1994, Bursa. (Viscometric Compatibility Studies on PS/PEO Blends, presented in 10th National Chemistry Congress, Bursa, 1994)
16. E.Yılmaz, Z.Küçükyavuz, "Stiren-4-Vinilpiridin Kopolimerlerinin Çözelti Özellikleri", , II. Türkiye-Azerbaycan Polimer Sempozyumu, 1992, Ankara. (Dilute Solution Properties of Styrene-4-vinylpyridine Copolymers, presented in 2nd Turkey-Azerbaijan Polymer Symposium, Ankara, 1992)
17. E.Yılmaz, Z.Küçükyavuz "Yüksek Yüzde Dönüşümlü Stiren-4-Vinilpiridin Kopolimerleşmesinde Monomer Reaktivite Oranlarının Bulunması", , VII. Kimya ve Kimya Mühendisliği Sempozyumu, 2-5 Nisan 1991, Gazimağusa, KKTC (Determination of Reactivity Ratios in Styrene-4-vinylpyridine Copolymerization System, presented in 7th Chemistry and Chemical Engineering Symposium, Famagusta, Northern Cyprus, 1991)
18. E.Yılmaz, Z.Küçükyavuz, "Stiren-4-Vinilpiridin Kopolimerleri Üzerinde Elektrik Dipol Moment Çalışmaları", VII. Kimya ve Kimya Mühendisliği Sempozyumu, 2-5 Nisan 1991, Gazimağusa, KKTC (Electric Dipole Moment Studies on Styrene-4-vinylpyridine Copolymers, presented in 7th Chemistry and Chemical Engineering Symposium, Famagusta, Northern Cyprus, 1991)

Research Grants

1. Elvan Yılmaz (Project Coordinator), Selma Ustürk, "Cryogels of poly(ethylene glycol methacrylate) and N-vinyl imidazole Optimization of Synthesis Conditions and Investigation of Cell Viability" Project Budget: 17 550 TL (Dec 2021-Dec 2022) Eastern Mediterranean University BAP-C Type Project.
2. Elvan Yılmaz (Project Coordinator), Cahit Özbilenler, "Cryogels of 2-hydroxyethyl methacrylate and N-(2-hydroxyethyl) methacrylamide-Optimization of Synthesis Conditions and Investigation of Protein Adsorption and Mechanical Properties" Project Budget: 16 000 TL (Dec 2021-Dec 2022) Eastern Mediterranean University BAP-C Type Project.
3. Elvan Yılmaz (Project Coordinator), Mamoon Alokour, "Synthesis and Characterization of Poly(Vinyl cinnamate)-*graft*-Poly(2-hydroxyethyl methacrylate) Copolymers" Project Budget: 8700 TL (May 2018-May 2019) Eastern Mediterranean University BAP-C Type Project.
4. Elvan Yılmaz (Project Coordinator), Hasan Uludağ, Bahar Taneri, Osman Yılmaz, Zülal Yalınca, "Modified Chitosans for Gene Delivery" Project budget: 12 000 USD (for October 2008- April 2010) project no: BAP-08-08 funded by Eastern Mediterranean University.
5. Osman Yılmaz (Project Coordinator), Mustafa Gazi, Elvan Yılmaz, "New Chitosan- based Superabsorbent Hydrogels", Project budget: 14 000 YTL ≈ 7 000 Euro (for April 2006-April 2007) project no: MEKB-06-20 funded by TRNC Ministry of Education- Support Programme for Scientific Research in Higher Education Institutes and Eastern Mediterranean University.
6. Elvan Yılmaz (Project Coordinator), Murat Bengisu, Osman Yılmaz, "Evaluation of Iron Adsorption and Biodegradation of Molecularly Imprinted Chitosan Gel Beads" Project Budget : 8 500 YTL ≈ 5 000 Euro (for September 2005-September 2006) Project no:MEKB-05-02 funded by TRNC Ministry of Education- Support Programme for Scientific Research in Higher Education Institutes and Eastern Mediterranean University.

7. Nesrin Hasirci (Project Coordinator), Kezban Ulubayram, Kemal Şerbetçi, Vasıf Hasirci, Elvan Yılmaz “Development of Bioactive Substance and Pharmaceutical Carrier Biodegradable Systems and their Application as Controlled Release Systems for the treatment of Thalassemia” Project Budget: 50 billion TL \approx 30 000 Euro (for 2003) Project no: BAP-07-02 DPT 2003K120920-03 funded by DPT (State Planning Organisation of Turkey).
8. Elvan Yılmaz (Project Coordinator), Osman Yılmaz, Hamit Caner, Hatice Hasipoğlu “Grafting Chitosan with Poly(4-Vinylpyridine) and Poly(Maleic Anhydride)” Project Budget: 300 million TL (for September 1998 – September 1999) Project no: TBAG-AY/178 (198T065) – funded by TÜBİTAK (Turkish Scientific and Technical Research Council – Supporting Scientific Infrastructure Programme).

Theses Supervised

Ph.D. Theses Supervised:

1. Selma Ustürk, “Poly(ethylene glycol methacrylate) and N-vinyl imidazole based Hydrogels for Biomedical Applications” (Ph.D. Thesis, Eastern Mediterranean University, in progress) (Co-supervisor: Asst.Prof.Dr. Ergül Mutlu Altundağ)
2. Cahit Özbilenler, “Hydrogels of 2-hydroxyethyl methacrylate and N-(2-hydroxyethyl) methacrylamide for Biomedical Applications” (Ph.D. Thesis, Eastern Mediterranean University, in progress) (Co-supervisor: Asst.Prof.Dr. Ergül Mutlu Altundağ)
3. Zırar M.T.M. Mizwari, “Synthesis and Characterization of Chitosan/Metal oxide Composites for Biomedical Applications” (Ph.D. Thesis, Eastern Mediterranean University, 2020) (Co-supervisor: Assoc.Prof.Dr. Akeem Oladipo)
4. Abdallah Alshhab "Synthesis and Characterization of Alginate/Poly(4-vinylpyridine) Hybrid System" (Ph.D. Thesis, Eastern Mediterranean University, 2020)
5. Mamoon Mohammad Alokour "Synthesis and Characterization of Methacrylate Based Copolymers" (Ph.D. Thesis, Eastern Mediterranean University, 2019)
6. Marjan Hezarkhani "Preparation and Characterization of Pullulan/Poly(N-vinylimidazole) Gels (Ph.D. Thesis, Eastern Mediterranean University, 2019)
7. Ehsan Bahramzadeh "Poly(N-hydroxy ethyl acrylamide)/Chitosan Based Hydrogels" (Ph.D. Thesis, Eastern Mediterranean University, 2019)
8. Zülal Yalınca, “Modified Chitosans for Biomedical Applications”, (Ph.D. Thesis, Eastern Mediterranean University, 2013) (Co-supervisor: Assoc. Prof.Dr. Bahar Taneri).
9. Hasan Oylum, “Chitin Gels: Preparation, Modification and Characterization”, (Ph.D. Thesis, Eastern Mediterranean University, 2013).
10. Terin Adalı, “Grafting of Polymethacrylates onto Chitosan and Characterization of the Products”, (Ph.D. Thesis, Eastern Mediterranean University, 2007).
11. Hamit Caner, “Synthesis, Characterization and Potential Applications of Poly(4-vinylpyridine) and Poly(N-vinylimidazole) Grafted Chitosans, (Ph.D. Thesis, Eastern Mediterranean University, 2002).
12. Ayer Burke, “Chitosan: An Iron-Chelating Agent and a Controlled Release System for Iron-Chelating Drugs, Desferal and Deferiprone,” (Ph.D. Thesis, Eastern Mediterranean University, 2002) (co-supervisor: Prof. Dr. Nesrin Hasirci).

Ph.D. Theses Co-supervised

1. Houman Farzad, "Sol-Gel Coatings with Metallic Effect", (Ph.D. Thesis, Eastern Mediterranean University, 2013) (Supervisor: Prof. Dr. Murat Bengisu, İzmir Ekonomi University, co-supervisor: Prof. Dr. Elvan Yılmaz.)

M.S. Theses Supervised:

1. Selma Ustürk "Pullulan/Poly(Hydroxyl Ethyl Methacrylate) Cryogels (master's thesis, Eastern Mediterranean University, 2020).
2. Uliana Sirotina, "Hydrogels of Chitosan-graft-Poly[(2-Diethylamino)ethyl methacrylate]" (master's thesis, Eastern Mediterranean University, 2015, co supervisor: Zülal Yalınca).
3. Nwaka Esther Alizor, "Synthesis of Chitosan/Poly[(2-Diethylamino)ethyl methacrylate] Interpenetrating Polymer Network Gels (master's thesis, Eastern Mediterranean University, 2015).
4. Akinbiyi Lanre Bibilari, "Synthesis and Characterization of Poly[(2-Diethylamino)ethyl methacrylate] Hydrogels" (master's thesis, Eastern Mediterranean University, 2015).
5. Marjan Hezarkhani, "Cationic Pullulan via Poly(N-Vinylimidazole) Grafting" (master's thesis, Eastern Mediterranean University, 2015).
6. Ayodeji Olugbenga Ifebajo, "Synthesis and Characterization of Chemically Crosslinked Chitosan Citrate Gels" (master's thesis, Eastern Mediterranean University, 2014).
7. Jihad Mohammed Hadi, "Grafting of Poly(4-vinylpyridine onto Chitin under Heterogeneous Conditions" (master's thesis, Eastern Mediterranean University, 2014).
8. Ekwuagu Ifewinya Nkechinyere, "Preparation and Characterization of Porous Chitosan Tripolyphosphate Gel Bead", (master's thesis, Eastern Mediterranean University, 2014).
9. Dana Ali Kader Mohammed, "Grafting of Poly(2-hydroxyethyl methacrylate) onto Chitin Beads" (master's thesis, Eastern Mediterranean University, 2014).
10. Kovan Ibrahim Ali, "Grafting of Poly[(2-Diethylamino)ethyl methacrylate] onto Chitosan", (master's thesis, Eastern Mediterranean University, 2014).
11. Zirar Mohammed Taher Mizwari, "Preparation and Characterization of Phosphorylated Chitosan Films via Graft Copolymerization", (master's thesis, Eastern Mediterranean University, 2013).
12. Seyed Emad Talasaz, "Synthesis and Characterization of Pullulan/Polyacrylamide" Based IPN Hydrogels, ((master's thesis, Eastern Mediterranean University, 2013 cosupervisor: Mustafa Gazi).
13. Mustafa Basim Al Tameemi, "Chitosan Citrate Membranes for Naproxen Delivery" ((master's thesis, Eastern Mediterranean University, 2013).
14. Chidozie Kingsley Nwokeji, "Chitin/Chitosan and Alginates Based Two Component Systems for Fe³⁺ Adsorption" (master's thesis, Eastern Mediterranean University, 2013).
15. Sheema Abdul Sattar Soud, "Physical and Antibacterial Properties of Iodine Containing Pullulan/Poly(vinylpyrrolidone)/Poly(vinyl alcohol) Polymer Films, ((master's thesis, Eastern Mediterranean University, 2013 co supervisor: Bahar Taneri).
16. Ameer Piro Shakir, "Graft Copolymerization of Benzyl Methacrylate onto Alginates", (master's thesis, Eastern Mediterranean University, 2013).
17. Elahe Malaki Birjandi, "A Miscibility Study on Pullulan/Poly(ethylene glycol) Blends, (master's thesis, Eastern Mediterranean University, 2013).
18. Zülal Yalınca, "Iron Adsorption onto Chitosan Gel Beads", ((master's thesis, Eastern Mediterranean University, 2006) (co-supervisor: Assoc. Prof. Dr. Osman Yılmaz)

19. Mona Semsarilar, "Preparation and Characterization of Chitosan Gel Beads (master's thesis, Eastern Mediterranean University, 2006) (co-supervisor: Assoc. Prof.Dr. Murat Bengisu).
20. Deniz Özalp, "A Miscibility Study on Chitosan/Poly(vinylpyrrolidone) Blends by Dilute Solution Viscometry", (master's thesis, Eastern Mediterranean University, 2006).
21. Noyan Erdenizci, "Viscometric Study of Miscibility of Chitosan with Poly(ethylene oxide) in Aqueous Solution", (master's thesis, Eastern Mediterranean University, 2000).
22. Hamit Caner, "Miscibility Studies on Polystyrene/ Poly(ethylene oxide) and Polybutadiene-graft-Polystyrene/Poly(ethylene oxide) Blends by Dilute Solution Viscometry", (master's thesis, Eastern Mediterranean University, 1994) (co-supervisor: Assoc.Prof.Dr. Osman Yılmaz).

M.S. Theses Co-Supervised:

23. Akeem Adeyemi Oladipo, "Synthesis and Characterization of Modified Chitosan-based Novel Superabsorbent hydrogel: Swelling and Dye Adsorption behaviour", (master's thesis, Eastern Mediterranean University, 2011) (Supervisor: Asst.Prof.Dr. Mustafa Gazi co-supervisor: Prof.Dr. Elvan Yılmaz).
24. Hande Erarslan, "Covalent Chitosan Gels for Efficient Metal Adsorption", (master's thesis, Eastern Mediterranean University, 2009) (Supervisor: Prof.Dr. Osman Yılmaz co-supervisor: Prof. Dr. Elvan Yılmaz).
25. Beyza Uylukçuoğlu, "Chitosan Microspheres and Films Used in Controlled Release", (master's thesis, Middle East Technical University, 2003) (Supervisor: Prof.Dr. N.Hasirci, co supervisor: Prof. Dr. Elvan Yılmaz).

Other Duties

Member (Faculty of Arts and Sciences Representative), Health Sciences Ethical Committee of EMU, 2015

Director of the Institute of Graduate Studies and Research, March 2011- January 2015

Chair, Research Advisory Board, January 2010-January 2015

Acting Director of the Institute of Graduate Studies and Research, July 2007- March 2011

Member of the EMU Senate, July 2007-January 2015

Member of the University Executive Council, July 2007-January 2015

EMU representative in the Republic of Turkey/TRNC Scientific Research Projects Evaluation Commission under the Support Programme for Research in Higher Education (TC/KKTC Yükseköğretimde Bilimsel Faaliyetleri Destekleme Projesi)-February 2007 to 2009

Research Projects Coordinator for EMU Research Advisory Board, 2006 – 2011

EMU Research Advisory Board Member, 2005-January 2015

EMU Energy Research Centre, Executive Board Member, 2005 – 2006

Faculty of Arts and Sciences Faculty Board- Elected Member Professor Representative 2012-2014

Faculty of Arts and Sciences Faculty Board- Elected Member Professor Representative 2004-2005

Faculty of Arts and Sciences Faculty Board- Elected Member Professor Representative 2004-2005

Faculty of Arts and Sciences Faculty Board- Elected Member Professor Representative 2003-2004

Faculty of Arts and Sciences Faculty Board- Elected Member Associate Prof. Representative
2002-2003

EMU Center for Womens' Studies Advisory Board Membership 2001-2003

EMU Joint Faculties Graduate Studies Committee

Faculty of Arts and Sciences Graduate Studies Committee

EMU Nursery Executive Board membership 1993 – 1996

Professional Memberships

Türkiye Kimya Derneği	1996-to date	Üye
European Chitin Society	1996-to date	Associate Member

Languages

Turkish (Native)

English (Fluent)

French (Elementary)