

Prof. LEVENT YILMAZ

Personal Information

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International Researcher IDs

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Education Information

1982 - 1987	Doctorate, University of Illinois at Urbana-Champaign, Kimyasal Bilimler Okulu, Kimya Mühendisliği, United States Of America
1980 - 1982	Postgraduate, Middle East Technical University, Faculty of Engineering, Department of Chemical Engineering, Turkey
1975 - 1980	Undergraduate, Middle East Technical University, Faculty of Engineering, Department of Chemical Engineering, Turkey

Research Areas

Chemical Engineering and Technology, Basic Operations and Thermodynamics, Separation Operations, Mass Transfer, Transport Events, Engineering and Technology

Academic Titles / Tasks

1989 - 1995	Associate Professor, Middle East Technical University, Faculty of Engineering, Department of Chemical Engineering
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Academic and Administrative Experience

2019 - Continues	Department Academic Incentive Evaluation Commission Member, Middle East Technical University, Faculty of Engineering, Department of Chemical Engineering
2017 - 2020	Institute Board Member, Middle East Technical University, Graduate School of Natural and Applied Sciences

Advising Theses

2017	Kalipçılar H., Yılmaz L., Doctorate, B.TÜZÜN(Student), Gas permeation and sorption properties of ZIF-8 filled polymeric membranes prepared by infrared and incandescent light induced liquid and vapor phase inversion
2015	YILMAZ L., KALIPÇILAR H., Postgraduate, E.İREM(Student), Preparation of ZIF-8 loaded PVA and PES mixed matrix membranes for dehydration of ethanol solutions
2015	KALIPÇILAR H., YILMAZ L., Postgraduate, M.KARĞILI(Student), Polymer blend based mixed matrix gas separation membranes

- 2014 YILMAZ L., KALIPÇILAR H., Postgraduate, F.OZANIRK(Student), Synthesis of ethyl citrate by membrane reactors and reactive adsorption
- 2014 KALIPÇILAR H., YILMAZ L., Postgraduate, F.Ozanırk(Student), Synthesis of ethyl citrate by membrane reactors & reactive adsorption
- 2014 YILMAZ L., KALIPÇILAR H., Postgraduate, İ.AYAS(Student), Effect of the particle size of ZIF-8 on the separation performance of ZIF-8/pNA/PES membranes
- 2013 YILMAZ L., KALIPÇILAR H., Postgraduate, M.Başdemir(Student), Development of PBI based membranes for H₂/CO₂ separation
- 2013 KALIPÇILAR H., YILMAZ L., Postgraduate, M.BAŞDEMİR(Student), Development of PBI based membranes for H₂/CO₂ separation
- 2012 YILMAZ L., KALIPÇILAR H., Postgraduate, N.KESER(Student), Production and performance evaluation of ZIF-8 based binary and ternary mixed matrix gas separation membranes
- 2012 YILMAZ L., Doctorate, H.ZERZE(Student), Boron removal from aqueous solutions via polymer enhanced ultrafiltration using novel imino-bis-propane diol functional polymers
- 2012 YILMAZ L., KALIPÇILAR H., Postgraduate, G.SARIALP(Student), Dehydration of aqueous aprotic solvent mixtures by pervaporation
- 2011 ÇALIK P., YILMAZ L., Postgraduate, Ü.BADE(Student), Enzyme enhanced ultrafiltration for the resolution of racemic mandelic acid
- 2011 YILMAZ L., KALIPÇILAR H., Postgraduate, E.EDA(Student), Effect of operating parameters on performance of additive/zeolite/polymer mixed matrix membrane
- 2011 YILMAZ L., KALIPÇILAR H., Postgraduate, E.Eda(Student), Effect of operating parameters on performance of additive/ zeolite/ polymer mixed matrix membranes
- 2010 YILMAZ L., KALIPÇILAR H., Postgraduate, E.BÜKÜŞOĞLU(Student), Dehydration of alcohol solutions obtained from a solvent recovery process by pervaporation
- 2009 YILMAZ L., KALIPÇILAR H., Postgraduate, E.KARATAY(Student), Effect of preparation and operation parameters on performance of polyethersulfone based mixed matrix gas separation membranes
- 2009 YILMAZ L., KALIPÇILAR H., Postgraduate, Ü.ÇAKAL(Student), Natural gas purification by zeolite filled polyethersulfone based mixed matrix membranes
- 2008 YILMAZ L., KALIPÇILAR H., Doctorate, D.ŞEN(Student), Polycarbonate based zeolite 4A filled mixed matrix membranes: Preparation, characterization and gas separation performances
- 2007 YILMAZ L., YETİŞ Ü., Doctorate, N.UZAL(Student), Recovery and reuse of indigo dyeing wastewater using membrane technology
- 2006 ÇALIK P., YILMAZ L., Postgraduate, A.HANDE(Student), Chiral separations by enzyme enhanced ultrafiltration: Fractionation of racemic benzoin
- 2006 YILMAZ L., Doctorate, S.İSLAMOĞLU(Student), Effect of ionic strength on the performance of polymer enhanced ultrafiltration in heavy metal removal from aqueous solutions
- 2006 YILMAZ L., Postgraduate, A.Hande(Student), Chiral separations by enzyme enhanced ultrafiltration : fractionation of racemic benzoin
- 2005 YILMAZ L., YETİŞ Ü., Doctorate, G.ÇAPAR(Student), Development of a membrane based treatment scheme for water recovery from textile effluents
- 2004 KARAKAŞ G., YILMAZ L., Postgraduate, Ö.OĞUZER(Student), Screening and characterization of catalytic composite membranes for ethyl lactate production
- 2003 YILMAZ L., TOPPARE L. K., Postgraduate, G.MERGEN(Student), Gas permeation properties of poly (arylene ether ketone) and its mixed matrix membranes with polypyrrole
- 2003 TOPPARE L. K., YILMAZ L., Postgraduate, G.Mergen(Student), Gas permeation properties of poly(arylene ether ketone) and its mixed matrix membranes with polypyrrole
- 2003 YILMAZ L., ÖZBELGE H. Ö., Postgraduate, A.Yürüm(Student), Development and evaluation of performance of new ligands for removal of boron by polymer enhanced ultrafiltration
- 2003 YILMAZ L., KALIPÇILAR H., Postgraduate, D.ŞEN(Student), Effect of compatibilizers on the gas separation performance of polycarbonate membranes

- 2003 YILMAZ L., Postgraduate, A.YÜRÜM(Student), Development and evaluation on performance of new ligands for removal of boron by polymer enhanced ultrafiltration
- 2003 KARAKAŞ G., YILMAZ L., Postgraduate, M.İNAL(Student), Ethyl lactate production by hybrid processes: Determination of phase diagrams and evaluation of performance of organophilic pervaporation membranes
- 2002 YILMAZ L., Postgraduate, S.İSLAMOĞLU(Student), Removal of heavy metals from industrial wastewaters by means of hybrid precipitation and polymer enhanced ultrafiltration
- 2002 YILMAZ L., ŞAHİN S., Postgraduate, S.SONSUZER(Student), Separation and identification of aroma compounds from thyme by using steam distillation and supercritical fluid extraction.
- 2002 YILMAZ L., Postgraduate, S.İslamoğlu(Student), Removal of heavy metals from industrial wastewaters by means of hybrid precipitation and polymer enhanced ultrafiltration process.
- 2001 YILMAZ L., Postgraduate, S.BİRAN(Student), Aqueous two-phase separation of xylanases produced by a bacillus sp.
- 2001 YILMAZ L., Postgraduate, T.ŞENER(Student), The Effect of the support and solvent type on the performance of composite membranes
- 2001 YILMAZ L., Postgraduate, Ç.DİLEK(Student), Removal of boron from aqueous solutions by continuous polymer enhanced ultrafiltration with polyvinyl alcohol
- 2001 YILMAZ L., TOPPARE L. K., Postgraduate, P.HACARLIOĞLU(Student), Effect of preparation parameters on performance of dense homogeneous polycarbonate and polypyrrole-polycarbonate mixed matrix membranes
- 2001 KARAKAŞ G., YILMAZ L., Postgraduate, S.KORKUT(Student), Ethyl lactate production by hybrid processes: Evaluation of performance of hydrophilic pervaporation membranes for ethyl lactate-water-ethanol mixtures
- 2001 GÜRKAN T., YILMAZ L., Postgraduate, T.Şener(Student), The effect of support and solvent type on the performance of composite membranes
- 1999 YILMAZ L., Postgraduate, Y.GÜÇBİLMEZ(Student), Analysis and prediction of filter cake washing
- 1999 YILMAZ L., Postgraduate, D.GÜLŞEN(Student), Effect of preparation parameters on performance of conductive composite gas separation membranes
- 1999 YILMAZ L., Postgraduate, S.MUTLU(Student), Decolorization of wastewater of a bakers yeast plant by membrane processes
- 1999 YILMAZ L., GÜRKAN T., Postgraduate, S.Hümeyra(Student), Decolorization of the wastewater of a Baker's yeast plant by membrane processes
- 1998 GÜRKAN T., YILMAZ L., Doctorate, E.Okumuş(Student), Development of pan based composite membranes for pervaporation
- 1998 YILMAZ L., Postgraduate, K.SELİM(Student), Thermal characterization of GAP and GAP based binders
- 1997 YILMAZ L., Postgraduate, J.MÜSLEHİDDİNOĞLU(Student), Application of polymer enhanced ultrafiltration to multicomponent systems
- 1997 YILMAZ L., HAMAMCI H., Postgraduate, N.Coşkun(Student), Study for the invertase partitioning in polyethylene glycol-potassium phosphate-water aqueous two-phase system
- 1997 YILMAZ L., Postgraduate, N.COŞKUN(Student), Study for the invertase partitioning in polyethylene glycol-potassium phosphate water aqueous two phase system
- 1996 YILMAZ L., Postgraduate, N.AYDOĞAN(Student), Waste minimization by reverse osmosis treatment of bleed stream for continuous alcohol fermentation process
- 1996 YILMAZ L., Postgraduate, S.AÇIKALIN(Student), Effect of temperature on gas permeation properties of polymeric membranes
- 1995 YILMAZ L., Postgraduate, Y.ULUDAĞ(Student), Removal and recovery of heavy metals from waste streams via polymer enhanced ultrafiltration
- 1993 YILMAZ L., YILMAZER Ü., Postgraduate, M.Aghdampour(Student), Tertiary recovery of polyethyleneterephthalate

1993	YILMAZ L., Postgraduate, K.ÇİCİOĞLU(Student), Development of a novel mixed matrix membrane for pervaporation of ethanol-water mixtures
1993	YILMAZ L., Postgraduate, M.AGHDAMPOUR(Student), Tertiary recovery polyethyleneterephthalate
1992	YILMAZ L., Postgraduate, M.H.(Student), Gelation studies in ternary polymer solutions
1991	YILMAZ L., Postgraduate, B.Abdulghani(Student), Liquid-liquid equilibrium studies for hydrocarbon-alcohol-water systems
1991	YILMAZ L., Postgraduate, B.ABDULGHANI(Student), Liquid-liquid equilibrium studies for hydrocarbon-alcohol-water systems
1990	GÜRKAN T., YILMAZ L., Postgraduate, E.Okumuş(Student), Separation of ethanol-water mixtures by pervaporation
1990	YILMAZ L., Postgraduate, E.AKSOY(Student), Modelling of mass transfer aspects of asymmetric membrane formation

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Investigating the State of Skin Layer of Asymmetric Polyethersulfone (PES) - Zeolitic Imidazole Framework-8 (ZIF-8) Mixed Matrix Gas Separation Membranes and Its Effect on Gas Separation Performance**
TÜZÜN ANTEPLİ B., YILMAZ L., KALIPÇILAR H.
ChemistrySelect, vol.7, no.21, 2022 (SCI-Expanded)
- II. **Sulfate removal from drinking water by commercially available nanofiltration membranes: A parametric study**
Karabacak A., Dilek F. B., Yılmaz L., Kitiş M., Yetiş Ü.
Desalination and Water Treatment, vol.205, pp.296-307, 2020 (SCI-Expanded)
- III. **Preparation and characterization of supported PES membranes**
TOPUZ B., YILMAZ L., KALIPÇILAR H.
JOURNAL OF THE FACULTY OF ENGINEERING AND ARCHITECTURE OF GAZI UNIVERSITY, vol.34, no.1, pp.155-164, 2019 (SCI-Expanded)
- IV. **The Gas Permeation Characteristics of Ternary Component Mixed Matrix Membranes Prepared Using ZIF-8 with a Large Range of Average Particle Size**
Ayas I., YILMAZ L., KALIPÇILAR H.
INDUSTRIAL & ENGINEERING CHEMISTRY RESEARCH, vol.57, no.47, pp.16041-16050, 2018 (SCI-Expanded)
- V. **Dehydration of Industrial Byproduct Solutions for Recycling via Pervaporation-Adsorption Hybrid Process**
BÜKÜŞOĞLU E., KALIPÇILAR H., YILMAZ L.
INDUSTRIAL & ENGINEERING CHEMISTRY RESEARCH, vol.57, no.6, pp.2277-2286, 2018 (SCI-Expanded)
- VI. **Brackish water recovery from reactive dyeing wastewater via ultrafiltration**
Erkanlı M., Yılmaz L., Çulfaz Emecen P. Z., Yetiş Ü.
JOURNAL OF CLEANER PRODUCTION, vol.165, pp.1204-1214, 2017 (SCI-Expanded)
- VII. **Removal of hexavalent chromium anions via polymer enhanced ultrafiltration using a fully ionized polyelectrolyte**
HAKTANIR C., Ozbelge H. O., Bıçak N., YILMAZ L.
SEPARATION SCIENCE AND TECHNOLOGY, vol.52, no.15, pp.2487-2497, 2017 (SCI-Expanded)
- VIII. **Evaluation of cotton stalk hydrolysate for xylitol production**
Sapci B., AKPINAR Ö., Bolukbasi U., YILMAZ L.
PREPARATIVE BIOCHEMISTRY & BIOTECHNOLOGY, vol.46, no.5, pp.474-482, 2016 (SCI-Expanded)
- IX. **Triclosan removal by NF from a real drinking water source - Effect of natural organic matter**
OGUTVERİCİ A., YILMAZ L., YETİŞ Ü., DİLEK F. B.
CHEMICAL ENGINEERING JOURNAL, vol.283, pp.330-337, 2016 (SCI-Expanded)
- X. **Employing Imino-Bis-Propane Diol Functional Polymers for Boron Removal from Geothermal Waters**

via Polymer Enhanced Ultrafiltration

Zerze H., Ozbelge H. O., Bicak N., YILMAZ L.

SEPARATION SCIENCE AND TECHNOLOGY, vol.50, no.13, pp.2004-2014, 2015 (SCI-Expanded)

- XI. **Is adsorption an artifact in experimentation with Triclosan?**
Koc A., Orhon K. B., Ogutverici A., YILMAZ L., Furi L., Oggioni M. R., DİLEK F. B., YETİŞ Ü.
DESALINATION AND WATER TREATMENT, vol.52, pp.7101-7107, 2014 (SCI-Expanded)
- XII. **Synthesis of ZIF-8 from recycled mother liquors**
Demir N. K., Topuz B., YILMAZ L., KALIPÇILAR H.
MICROPOROUS AND MESOPOROUS MATERIALS, vol.198, pp.291-300, 2014 (SCI-Expanded)
- XIII. **Effect of Gas Permeation Temperature and Annealing Procedure on the Performance of Binary and Ternary Mixed Matrix Membranes of Polyethersulfone, SAPO-34, and 2-Hydroxy 5-Methyl Aniline**
Oral E. E., YILMAZ L., KALIPÇILAR H.
JOURNAL OF APPLIED POLYMER SCIENCE, vol.131, no.17, 2014 (SCI-Expanded)
- XIV. **Purification and Concentration of Caustic Mercerization Wastewater by Membrane Processes and Evaporation for Reuse**
Tunç M. S., Yılmaz L., Yetiş Ü., Çulfaz Emecen P. Z.
SEPARATION SCIENCE AND TECHNOLOGY, vol.49, pp.1968-1977, 2014 (SCI-Expanded)
- XV. **High performance ligands for the removal of aqueous boron species by continuous polymer enhanced ultrafiltration**
YÜRÜM A., TARALP A., Bicak N., Ozbelge H. O., YILMAZ L.
DESALINATION, vol.320, pp.33-39, 2013 (SCI-Expanded)
- XVI. **Effect of Feed Composition on the Gas Separation Performance of Binary and Ternary Mixed Matrix Membranes**
Sen D., YILMAZ L., KALIPÇILAR H.
SEPARATION SCIENCE AND TECHNOLOGY, vol.48, no.6, pp.859-866, 2013 (SCI-Expanded)
- XVII. **Imino-bis-propane diol functional polymer for efficient boron removal from aqueous solutions via continuous PEUF process**
Zerze H., Karagöz B., Ozbelge H. O., Bicak N., AYDOĞAN N., YILMAZ L.
DESALINATION, vol.310, pp.158-168, 2013 (SCI-Expanded)
- XVIII. **Novel boron specific copolymers with quaternary amine segments for efficient boron removal via PEUF**
Zerze H., Ozbelge H. O., Bicak N., AYDOĞAN N., YILMAZ L.
DESALINATION, vol.310, pp.169-179, 2013 (SCI-Expanded)
- XIX. **Effect of feed gas composition on the separation of CO₂/CH₄ mixtures by PES-SAPO 34-HMA mixed matrix membranes**
Cakal U., YILMAZ L., KALIPÇILAR H.
JOURNAL OF MEMBRANE SCIENCE, vol.417, pp.45-51, 2012 (SCI-Expanded)
- XX. **Development of alumina supported ternary mixed matrix membranes for separation of H₂/light-alkane mixtures**
Topuz B., YILMAZ L., KALIPÇILAR H.
JOURNAL OF MEMBRANE SCIENCE, vol.415, pp.725-733, 2012 (SCI-Expanded)
- XXI. **The Optimization of Dilute Acid Hydrolysis of Cotton Stalk in Xylose Production**
AKPINAR Ö., Levent O., Bostanci S., Bakir U., YILMAZ L.
APPLIED BIOCHEMISTRY AND BIOTECHNOLOGY, vol.163, no.2, pp.313-325, 2011 (SCI-Expanded)
- XXII. **Use of Specifically Tailored Chelating Polymers for Boron Removal from Aqueous Solutions by Polymer Enhanced Ultrafiltration**
Doganay C. O., Ozbelge H. O., Bicak N., AYDOĞAN N., YILMAZ L.
SEPARATION SCIENCE AND TECHNOLOGY, vol.46, no.4, pp.581-591, 2011 (SCI-Expanded)
- XXIII. **Preparation and performance assessment of binary and ternary PES-SAPO 34-HMA based gas separation membranes**
Karatay E., KALIPÇILAR H., YILMAZ L.

- JOURNAL OF MEMBRANE SCIENCE, vol.364, pp.75-81, 2010 (SCI-Expanded)
- XXIV. **The effect of different solvents on the performance of zeolite-filled composite pervaporation membranes**
Sener T., Okumus E., Gurkan T., YILMAZ L.
DESALINATION, vol.261, pp.181-185, 2010 (SCI-Expanded)
- XXV. **Removal of Heavy Metals from Multicomponent Metal Mixtures by Polymer Enhanced Ultrafiltration: Effects of pH, Ionic Strength and Conformational Changes in Polymer Structure**
Kadioglu S. I., YILMAZ L., AYDOĞAN N., Ozbelge H. O.
SEPARATION SCIENCE AND TECHNOLOGY, vol.45, no.10, pp.1363-1373, 2010 (SCI-Expanded)
- XXVI. **Nanofiltration and Reverse Osmosis for Reuse of Indigo Dye Rinsing Waters**
Uzal N., YILMAZ L., YETİŞ Ü.
SEPARATION SCIENCE AND TECHNOLOGY, vol.45, no.3, pp.331-338, 2010 (SCI-Expanded)
- XXVII. **Comparison of acid and enzymatic hydrolysis of tobacco stalk xylan for preparation of xylooligosaccharides**
AKPINAR Ö., Erdogan K., Bakir U., YILMAZ L.
LWT-FOOD SCIENCE AND TECHNOLOGY, vol.43, no.1, pp.119-125, 2010 (SCI-Expanded)
- XXVIII. **Microfiltration/ultrafiltration as pretreatment for reclamation of rinsing waters of indigo dyeing**
Uzal N., YILMAZ L., YETİŞ Ü.
DESALINATION, vol.240, pp.198-208, 2009 (SCI-Expanded)
- XXIX. **Removal of disinfection by-product precursors by UF and NF membranes in low-SUVA waters**
Ates N., YILMAZ L., KİTİŞ M., YETİŞ Ü.
JOURNAL OF MEMBRANE SCIENCE, vol.328, pp.104-112, 2009 (SCI-Expanded)
- XXX. **Estimation of Binding Constants of Cd(II), Ni(II) and Zn(II) with Polyethyleneimine (PEI) by Polymer Enhanced Ultrafiltration (PEUF) Technique**
Kadioglu S. I., YILMAZ L., Ozbelge H. O.
SEPARATION SCIENCE AND TECHNOLOGY, vol.44, no.11, pp.2559-2581, 2009 (SCI-Expanded)
- XXXI. **Development of enhanced ultrafiltration methodologies for the resolution of racemic benzoin**
Olceroglu A. H., ÇALIK P., YILMAZ L.
JOURNAL OF MEMBRANE SCIENCE, vol.322, no.2, pp.446-452, 2008 (SCI-Expanded)
- XXXII. **Selective mercury uptake by polymer supported hydroxyethyl sulfonamides**
Oktar C., YILMAZ L., Ozbelge H. O., Bicak N.
REACTIVE & FUNCTIONAL POLYMERS, vol.68, no.4, pp.842-850, 2008 (SCI-Expanded)
- XXXIII. **A membrane-based co-treatment strategy for the recovery of print- and beck-dyeing textile effluents**
Capar G., YILMAZ L., YETİŞ Ü.
JOURNAL OF HAZARDOUS MATERIALS, vol.152, no.1, pp.316-323, 2008 (SCI-Expanded)
- XXXIV. **Production and characterization of films from cotton stalk xylan**
Goksu E. I., Karamanlioglu M., Bakir U., YILMAZ L., YILMAZER Ü.
JOURNAL OF AGRICULTURAL AND FOOD CHEMISTRY, vol.55, no.26, pp.10685-10691, 2007 (SCI-Expanded)
- XXXV. **Effect of temperature and membrane preparation parameters on gas permeation properties of polymethacrylates**
Guelmues S. A., Yilmaz L.
JOURNAL OF POLYMER SCIENCE PART B-POLYMER PHYSICS, vol.45, no.22, pp.3025-3033, 2007 (SCI-Expanded)
- XXXVI. **Development of polycarbonate based zeolite 4A filled mixed matrix gas separation membranes**
SEN D., Kalipcilar H., Yilmaz L.
JOURNAL OF MEMBRANE SCIENCE, vol.303, pp.194-203, 2007 (SCI-Expanded)
- XXXVII. **Enzymatic production of xylooligosaccharides from cotton stalks**
Akpınar O., Ak O., Kavas A., Bakir U., Yilmaz L.
JOURNAL OF AGRICULTURAL AND FOOD CHEMISTRY, vol.55, no.14, pp.5544-5551, 2007 (SCI-Expanded)
- XXXVIII. **Most effective pre-treatment to nanofiltration for the recovery of print dyeing wastewaters**
Capar G., Yetis U., Yilmaz L.
DESALINATION, vol.212, pp.103-113, 2007 (SCI-Expanded)

- XXXIX. **Removal and recovery of metal anions via functional polymer based PEUF**
 Doganay C. O., Ozbelge H. O., Yilmaz L., Bicak N.
 DESALINATION, vol.200, pp.286-287, 2006 (SCI-Expanded)
- XL. **Effect of ionic strength on the complexation of polyethyleneimine (PEI) with Cd²⁺ and Ni²⁺ in polymer enhanced ultrafiltration (PEUF)**
 Islamoglu S., Yilmaz L.
 DESALINATION, vol.200, pp.288-289, 2006 (SCI-Expanded)
- XLI. **Development of zeolite filled polycarbonate mixed matrix gas separation membranes**
 Sen D., Kalipcilar H., Yilmaz L.
 DESALINATION, vol.200, pp.222-224, 2006 (SCI-Expanded)
- XLII. **Chiral separation of racemic benzoin via enzyme enhanced ultrafiltration**
 Olceroglu A. H., Calik P., Yilmaz L.
 DESALINATION, vol.200, pp.464-465, 2006 (SCI-Expanded)
- XLIII. **Micro filtration: a pretreatment alternative for indigo dyeing textile wastewater**
 Uzal N., Yilmaz L., Yetis U.
 DESALINATION, vol.199, pp.515-517, 2006 (SCI-Expanded)
- XLIV. **Reclamation of acid dye bath wastewater: Effect of pH on nanofiltration performance**
 Capar G., Yilmaz L., Yetis U.
 JOURNAL OF MEMBRANE SCIENCE, vol.281, pp.560-569, 2006 (SCI-Expanded)
- XLV. **Membrane based strategies for the pre-treatment of acid dye bath wastewaters**
 Capar G., Yetis U., Yilmaz L.
 JOURNAL OF HAZARDOUS MATERIALS, vol.135, pp.423-430, 2006 (SCI-Expanded)
- XLVI. **Reclamation of printing effluents of a carpet manufacturing industry by membrane processes**
 Capar G., Yetis U., Yilmaz L.
 JOURNAL OF MEMBRANE SCIENCE, vol.277, pp.120-128, 2006 (SCI-Expanded)
- XLVII. **Development of a precipitation based separation scheme for selective removal and recovery of heavy metals from cadmium rich electroplating industry effluents**
 Islamoglu S., Yilmaz L., Ozbelge H. O.
 SEPARATION SCIENCE AND TECHNOLOGY, vol.41, no.15, pp.3367-3385, 2006 (SCI-Expanded)
- XLVIII. **Gas separation performance of polycarbonate membranes modified with multifunctional low molecular-weight additives**
 Sen D., Kalipcilar H., Yilmaz L.
 SEPARATION SCIENCE AND TECHNOLOGY, vol.41, no.9, pp.1813-1828, 2006 (SCI-Expanded)
- XLIX. **Optimization of supercritical CO₂ extraction of *Thymbra spicata* oil**
 Sonsuzer S., Sahin S., Yilmaz L.
 JOURNAL OF SUPERCRITICAL FLUIDS, vol.30, no.2, pp.189-199, 2004 (SCI-Expanded)
- L. **Treatment by nanofiltration of the bleed stream of a continuous alcohol fermentor**
 Aydogan N., Gurkan T., Yilmaz L.
 SEPARATION SCIENCE AND TECHNOLOGY, vol.39, no.5, pp.1059-1072, 2004 (SCI-Expanded)
- LI. **Polycarbonate-polypyrrole mixed matrix gas separation membranes**
 Hacarlioglu P., Toppare L., Yilmaz L.
 JOURNAL OF MEMBRANE SCIENCE, vol.225, pp.51-62, 2003 (SCI-Expanded)
- LII. **Effect of preparation parameters on performance of dense homogeneous polycarbonate gas separation membranes**
 Hacarlioglu P., Toppare L., Yilmaz L.
 JOURNAL OF APPLIED POLYMER SCIENCE, vol.90, no.3, pp.776-785, 2003 (SCI-Expanded)
- LIII. **Effect of fabrication and process parameters on the morphology and performance of a PAN-based zeolite-filled pervaporation membrane**
 Okumus E., Gurkan T., Yilmaz L.
 JOURNAL OF MEMBRANE SCIENCE, vol.223, pp.23-38, 2003 (SCI-Expanded)
- LIV. **Isolation of volatile oil from thyme (*Thymbra spicata*) by steam distillation**

- Hanci S., Sahin S., Yilmaz L.
NAHRUNG-FOOD, vol.47, no.4, pp.252-255, 2003 (SCI-Expanded)
- LIV. **Use of xylan, an agricultural by-product, in wheat gluten based biodegradable films: mechanical, solubility and water vapor transfer rate properties**
Kayserilioglu B., Bakir U., Yilmaz L., Akkas N.
BIORESOURCE TECHNOLOGY, vol.87, no.3, pp.239-246, 2003 (SCI-Expanded)
- LVI. **Drying temperature and relative humidity effects on wheat gluten film properties**
Kayserilioglu B., Bakir U., Yilmaz L., Akkas N.
JOURNAL OF AGRICULTURAL AND FOOD CHEMISTRY, vol.51, no.4, pp.964-968, 2003 (SCI-Expanded)
- LVII. **Decolorization of wastewater of a baker's yeast plant by membrane processes**
Mutlu S., Yetis U., Gurkan T., Yilmaz L.
WATER RESEARCH, vol.36, no.3, pp.609-616, 2002 (SCI-Expanded)
- LVIII. **Removal of boron from aqueous solutions by continuous polymer-enhanced ultrafiltration with polyvinyl alcohol**
Dilek C., Ozbelge H., Bicak N., Yilmaz L.
SEPARATION SCIENCE AND TECHNOLOGY, vol.37, no.6, pp.1257-1271, 2002 (SCI-Expanded)
- LIX. **Removal of Boron from Aqueous Solutions by Continuous Polymer Enhanced Ultrafiltration with Polyvinyl Alcohol**
Dilek Ç., Hilmi Önder Ö., Bıçak N., Yilmaz L.
Separation Science And Technology, vol.37, pp.1257-1271, 2002 (SCI-Expanded)
- LX. **Effect of preparation parameters on the performance of conductive composite gas separation membranes**
Gulsen D., Hacaroglu P., Toppare L., Yilmaz L.
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- LXI. **Thermal characterization of glycidyl azide polymer (GAP) and GAP-based binders for composite propellants**
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- I. **Fouling Analysis for Different UF Membranes in Reactive Dyeing Wastewater Treatment**
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- II. **Recovery of brackish water from reactive dyeing wastewater by ultrafiltration**
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- IV. **Asimetrik Poliimid Gaz Ayırım Membranlarının Hazırlanması ve Karakterizasyonu**
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- XII. **Preparation And Characterization of Polymer Blend Based Mixed Matrix Membranes**
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EuroMembrane2015, Aachen, Germany, 6 - 10 September 2015
- XIII. **Purification and concentration of caustic mercerization wastewater by membrane processes and evaporation**
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International Conference on Applications of Nanotechnology in Membranes for Water Treatment, İzmir, Turkey, 8 - 10 October 2013
- XIV. **Tekstil endüstrisi alkali atıksularından basınç sürücülü membran prosesleriyle kostik geri kazanımı**
TUNÇ M. S., ÇULFAZ EMECEN P. Z., YILMAZ L., YETİŞ Ü.
3. Ulusal Membran Teknolojileri ve Uygulamaları Sempozyumu, Elazığ, Turkey, 26 - 27 September 2013
- XV. **Membran prosesleri ve buharlaştırma ile kot kumaşı üretim tekstil endüstrisi mercerizasyon prosesi atıksularından kostik geri kazanımı**

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3. Ulusal Membran Teknolojileri ve Uygulamaları Sempozyumu, Elazığ, Turkey, 26 - 27 September 2013

XVI. **Production of xylooligosaccharides from cotton and tobacco stalk**

Akpınar O., Erdogan K., Ak O., Bakir U., Yilmaz L.

13th European Congress on Biotechnology (ECB 13), Barcelona, Spain, 16 - 19 September 2007, vol.131

XVII. **Removal and recovery of heavy metals from industrial waste streams by means of a hybrid-precipitation and polymer enhanced ultrafiltration**

Islamoglu S., YILMAZ L., Özbelge H. Ö.

2006 AIChE Spring National Meeting, Orlando, FL, United States Of America, 23 - 27 April 2006

XVIII. **MODELLING OF ASYMMETRIC MEMBRANE FORMATION.**

McHugh A., Yilmaz L.

Polymer Preprints. Papers Presented at the Anaheim, California Meeting,, Anaheim, CA, USA, vol.27, pp.378-379

Supported Projects

2020 - 2021	Misel Destekli Ultrafiltrasyon ile Aseton-Bütanol-Etanol-Su Karışımlarından Bütanol Eldesi, Project Supported by Higher Education Institutions
2018 - 2019	ZİF Katkılı PEBAX ve PES Karışık Matrisli Membranlar ile Gaz Ayırımı, Project Supported by Higher Education Institutions
2014 - 2017	Reaktif Boyama Atıksularının Temiz/Tuzlu Su Olarak Geri Kazanımı: Membran Temelli Süreç Tasarımı Ve Membran Kirlenme Analizi, TUBİTAK Project
2014 - 2017	Çözücü Olmayan Faz Değişimi Yöntemi ile Üretilecek Polimer-MOF-Uyumlaştırıcı Kovuklu Elyaf Membranlarla Biyogazın Artırılması, TUBİTAK Project
2014 - 2015	POLİMER HARMANLAMA YÖNTEMİYLE GAZ AYIRMA MEMBRANI GELİŞTİRİLMESİ VE KARAKTERİZASYONU, Project Supported by Higher Education Institutions
2014 - 2014	FEN BİLİMLERİ ENSTİTÜSÜ/LİSANSÜSTÜ TEZ PROJESİ, Project Supported by Higher Education Institutions
2011 - 2011	Organik - İnorganik Karışık Matrisli Membranların Üretimi Ve Karakterizasyonu, Project Supported by Higher Education Institutions
2010 - 2010	Polimer/zeolit Kompozit Membranlarının Gaz Ayırım Performanslarına Süreç Değişkenlerinin Etkisinin Araştırılması, Project Supported by Higher Education Institutions
2009 - 2009	Baskı Ve Ambalaj Sanayii Orijinli Çözücü Karışımlarının Pervaporasyon Yöntemi İle Susuzlaştırılması Ve Geri Kazanımı, Project Supported by Higher Education Institutions
2006 - 2009	Zeolit Katkılı Polimerik Kompozit Membranlarla Doğal Gazın Saflaştırılması, TUBİTAK Project

Activities in Scientific Journals

2009 - Continues	Separation Science And Technology, Committee Member
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Memberships / Tasks in Scientific Organizations

2017 - 2018	Çağrılı Projeler Danışma Kurulu, Member
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Scientific Refereeing

December 2021	JOURNAL OF MEMBRANES SCIENCE, SCI Journal
December 2021	JOURNAL OF MATERIALS RESEARCH AND TECHNOLOGY, SCI Journal
November 2021	AICHE JOURNAL, SCI Journal

October 2021	JOURNAL OF MEMBRANES SCIENCE, SCI Journal
September 2021	JOURNAL OF MEMBRANES SCIENCE, SCI Journal
August 2021	JOURNAL OF MEMBRANES SCIENCE, SCI Journal
July 2021	JOURNAL OF MEMBRANES SCIENCE, SCI Journal
May 2021	SEPARATION AND PURIFICATION TECHNOLOGY, SCI Journal
April 2021	JOURNAL OF MEMBRANES SCIENCE, SCI Journal
April 2021	TUBITAK Project, 1507 - TÜBİTAK SME R&D Start Support Program, Middle East Technical University, Turkey
April 2021	TUBITAK Project, 1501 - Industry R & D Projects Support Program, Middle East Technical University, Turkey
March 2021	INDUSTRIAL AND ENGINEERING CHEMISTRY RESEARCH, SCI Journal
March 2021	WATER RESEARCH, SCI Journal
March 2021	WATER RESEARCH, SCI Journal
November 2020	SEPARATION AND PURIFICATION TECHNOLOGY, SCI Journal
October 2020	SEPARATION AND PURIFICATION TECHNOLOGY, SCI Journal
October 2020	TUBITAK Project, 1501 - Industry R & D Projects Support Program, Middle East Technical University, Turkey
September 2020	JOURNAL OF MEMBRANE SCIENCE, SCI Journal
September 2020	JOURNAL OF THE SCIENCE OF FOOD AND AGRICULTURE, SCI Journal
April 2020	TUBITAK Project, 1501 - Industry R & D Projects Support Program, Middle East Technical University, Turkey
March 2020	SEPARATION AND PURIFICATION TECHNOLOGY, SCI Journal
February 2020	TUBITAK Project, 1501 - Industry R & D Projects Support Program, Middle East Technical University, Turkey
November 2019	SEPARATION AND PURIFICATION TECHNOLOGY, SCI Journal
October 2019	JOURNAL OF MEMBRANE SCIENCE, SCI Journal
October 2019	JOURNAL OF MEMBRANE SCIENCE, SCI Journal
October 2019	TUBITAK Project, 1501 - Industry R & D Projects Support Program, Middle East Technical University, Turkey
October 2019	TUBITAK Project, 1501 - Industry R & D Projects Support Program, Middle East Technical University, Turkey
October 2019	TUBITAK Project, 1501 - Industry R & D Projects Support Program, Middle East Technical University, Turkey
August 2019	JOURNAL OF MEMBRANE SCIENCE, SCI Journal
August 2019	TUBITAK Project, 1501 - Industry R & D Projects Support Program, Middle East Technical University, Turkey
July 2019	TUBITAK Project, 1507 - TÜBİTAK SME R&D Start Support Program, Middle East Technical University, Turkey
June 2019	JOURNAL OF MEMBRANE SCIENCE, SCI Journal
May 2019	JOURNAL OF MEMBRANE SCIENCE, SCI Journal
April 2019	SEPARATION AND PURIFICATION TECHNOLOGY, SCI Journal
April 2019	TUBITAK Project, 1507 - TÜBİTAK SME R&D Start Support Program, Middle East Technical University, Turkey
April 2019	TUBITAK Project, 1501 - Industry R & D Projects Support Program, Middle East Technical University, Turkey
March 2019	JOURNAL OF MEMBRANE SCIENCE, SCI Journal
February 2019	JOURNAL OF THE TAIWAN INSTITUTE OF CHEMICAL ENGINEERS, SCI Journal
February 2019	TUBITAK Project, 1501 - Industry R & D Projects Support Program, Middle East Technical University, Turkey
January 2019	INTERNATIONAL JOURNAL OF INDUSTRIAL CHEMISTRY, Journal Indexed in SCIE

January 2019	TUBITAK Project, 1501 - Industry R & D Projects Support Program, Middle East Technical University, Turkey
December 2018	TUBITAK Project, 1001 - Program for Supporting Scientific and Technological Research Projects, Middle East Technical University, Turkey
November 2018	JOURNAL OF THE TAWAN INSTITUTE OF CHEMICAL ENGINEERS, SCI Journal
November 2018	CHEMICAL ENGINEERING & TECHNOLOGY, SCI Journal
November 2018	TUBITAK Project, 1001 - Program for Supporting Scientific and Technological Research Projects, Middle East Technical University, Turkey
November 2018	TUBITAK Project, 1001 - Program for Supporting Scientific and Technological Research Projects, Middle East Technical University, Turkey
September 2018	SEPARATION AND PURIFICATION TECHNOLOGY, SCI Journal
September 2018	JOURNAL OF THE TAWAN INSTITUTE OF CHEMICAL ENGINEERS, SCI Journal
August 2018	TUBITAK Project, 1001 - Program for Supporting Scientific and Technological Research Projects, Middle East Technical University, Turkey
July 2018	JOURNAL OF MEMBRANE SCIENCE, SCI Journal
July 2018	JOURNAL OF MEMBRANE SCIENCE, SCI Journal
July 2018	JOURNAL OF MEMBRANE SCIENCE, SCI Journal
May 2018	JOURNAL OF MEMBRANE SCIENCE, SCI Journal
May 2018	SEPARATION AND PURIFICATION TECHNOLOGY, SCI Journal
May 2018	SEPARATION AND PURIFICATION TECHNOLOGY, SCI Journal
January 2018	JOURNAL OF THE TAWAN INSTITUTE OF CHEMICAL ENGINEERS, SCI Journal

Metrics

Publication: 101

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H-Index (WoS): 34

H-Index (Scopus): 36

Awards

May 1995	TÜBİTAK Teşvik Ödülü, Tübitak
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Non Academic Experience

1995 - Continues	METU Chemical Engineering
1989 - 1995	METU Chemical Engineering
1992 - 1992	University of Illinois at C-U Chemical Engineering
1987 - 1989	METU Chemical Engineering
1987 - 1987	University of Illinois at C-U Chemical Engineering
1984 - 1986	University of Illinois at C-U Chemical Engineering
1982 - 1984	University of Illinois at C-U Chemical Engineering
1980 - 1982	METU Chemical Engineering
1979 - 1980	METU Chemistry