

MEMBRAN LABORATUVARI 2016 AR-GE FAALİYET RAPORU

SCI MAKALELER

A1. Derya Unlu, Nilufer Durmaz Hilmioglu, "Pervaporation catalytic membrane reactor study for the production of ethyl acetate using $Zr(SO_4)_2 \cdot 4H_2O$ coated chitosan membrane", Journal of Chemical Technology & Biotechnology, DOI: 10.1002/jctb.4546, 91: 122-130, **2016**.

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A3. Filiz Ugur Nigiz, Nilufer Durmaz Hilmioglu , "Simultaneous Separation Performance of Catalytic Membrane Reactor for Ethyl Lactate Production by Using Boric Acid Coated Carboxymethyl Cellulose Membrane", Reaction Kinetics, Mechanisms and Catalysis, , DOI: 10.1007/s11144-016-0988-7, 118, 2, 557-575, **2016**

A4. Derya Unlu, Nilufer Durmaz Hilmioglu, "Removal of acetic Acid From Wastewater By Esterification In The Membrane Reactor", Membrane Water Treatment, DOI: DOI: 10.12989/mwt.2016.7.2.143, Vol. 7, No. 2, March 2016, 143-154, **2016**.

A5. Derya Unlu, Nilufer Durmaz Hilmioglu "Fuel Bioadditive production by Chitosan /SSA catalytic membrane", Energy Sources, Part A: Recovery, Utilization, and Environmental Effect, kabul edildi., DOI: 10.1080/15567036.2016.1166166, 38, 24, 3606-3611, **2016**.

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A9. Filiz Ugur Nigiz, Nilufer Durmaz Hilmioglu, "Pervaporative desalination of seawater by using composite and blended poly(vinyl alcohol) membranes", Desalination and Water Treatment, DOI: 10.1080/19443994.2014.996770, 57: 4749-4755, **2016**.

A10. Filiz Ugur Nigiz, Nilufer Durmaz Hilmioglu, "A study on composite catalytic membrane manufacturing based on sodium alginate and lipase to be used in a pervaporation reactor", Research on Chemical Intermediates, DOI 10.1007/s11164-016-2689-2, **2016**.

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A12. Filiz Ugur Nigiz, Nilufer Durmaz Hilmioglu, “Rhizomucor miehei Lipase Immobilized Sodium Alginate Membrane Preparation And Usage in a Pervaporation Biocatalytic Membrane Reactor”, Chemical And Biochemical Engineering Q. Journal, doi: 10.15255/CABEQ.2016.2345, 30 (3) 381–391, **2016**.

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2. Derya Unlu, Nilufer Hilmioglu, "POTENTIAL FUEL BIOADDITIVE ETHYL LEVULINATE PRODUCTION FOR THE AVIATION FUEL", International Journal of Sustainable Aviation, Kabul edildi, **2016**.

1. ULAKBİM tarafından taranan Dergiler

1. Filiz UĞUR NİGİZ , Nilüfer DURMAZ HİLMİOĞLU, “Çevre Dostu Biyokatalitik Membran Reaktörde Etil Laktat Sentezi”, Anadolu Üniversitesi Bilim Ve Teknoloji Dergisi A-Uygulamalı Bilimler ve Mühendislik (Anadolu University Journal of Science and Technology A- Applied Sciences and Engineering) Cilt: 17, Sayı: 2, **2016**, Sayfa: 287 – 297, DOI: 10.18038/btda.96406

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16. 1.Filiz Uğur Nigiz, Nilüfer Hilmioğlu ,PHOSPHOTUNGSTIC ACID LOADED CELLULOSE MEMBRANE PREPARATION FOR CATALYTIC MEMBRANE REACTOR", , The 6th Catalysis Conference, poster, özet, **2016**
17. Derya Ünlü, Aynur Hacıoğlu, Nilüfer Hilmioğlu "PREPARATION AND APPLICATION OF AIK(SO4)2.12H2O LOADED CHITOSAN/ POLYVINYLPYRROLIDONE CATALYTIC MEMBRAN"", , NCC6-The 6th Catalysis Conference, poster, özet, **2016**

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