

KİMYA MÜHENDİSLİĞİ BÖLÜMÜ AKADEMİK FAALİYETLER

DÖNEMİ: OCAK – MAYIS 2018

A1. Science Citation Index – Expanded Makaleler

1. Kıpçak, A. S., Senberber, F. T., Derun, E. M., Piskin, S. (2018 March). Reuse of magnesium wastes in hydrothermal synthesis of a magnesium borate mineral: admontite. *Environmental Engineering and Management Journal*. 17(3), 537-544. WOS:000429196000004
2. Özgündüz H.İ., Öztürk A.B., Kandilci H.G., Acarali N., "Characterization study and optimization of swelling behavior for p(HEMA-co-Eudragit L-100) hydrogels by using Taguchi Method", *Bio-Medical Materials and Engineering*, vol.29, pp.191-203, 2018.
3. Kalpaklı, Y.; Cansev, H., 2018, Structural effect of cationic surfactant on heavy metal removal capacity of raw sepiolite, *Indian Journal of Chemical Technology*, 25(1), 61-67.
4. Yılmazoğlu E., Akgün M., "p-Cymene production from orange peel oil using some metal catalyst in supercritical alcohols", *Journal of Supercritical Fluids*, vol.131, pp.37-46, 2018.
5. Aydın E.S., Yücel Ö., Sadıkoğlu H., "Numerical and experimental investigation of hydrogen-rich syngas production via biomass gasification", *INTERNATIONAL JOURNAL OF HYDROGEN ENERGY*, vol.43, pp.1105-1115, 2018
6. Figen H.E., Baykara Z.S., "Effect of ruthenium addition on molybdenum catalysts for syngas production via catalytic partial oxidation of methane in a monolithic reactor", *INTERNATIONAL JOURNAL OF HYDROGEN ENERGY*, vol.43 (2), pp.1129-1138, January 2018.
7. Ersoz A., Durakcetin Y., Sarioglan A., Turan A.Z., Mert M.S., Yuksel F., Figen H.E.Güldal N.O., Karaismailoglu M., Baykara S.Z, "Investigation of a novel & integrated simulation model for hydrogen production from lignocellulosic biomass", *INTERNATIONAL JOURNAL OF HYDROGEN ENERGY*, vol.43 (2), pp.1081-1093, January 2018.
8. Güldal N.O., Figen H.E., Baykara Z.S., "Perovskite catalysts for hydrogen production from hydrogen sulfide", *INTERNATIONAL JOURNAL OF HYDROGEN ENERGY*, vol.43 (2), pp.1038-1046, January 2018.

A2. Diğer Endeks Makaleler

1. Doymaz, İ., Kıpçak, A. S., (2018 January). Effect of Pre-treatment and Air Temperature on Drying Time of Cherry Tomato. *Journal of Thermal Engineering*, 4(1): 1648-1655. DOI: 10.18186/journal-of-thermal-engineering.364489, WOS: 000429265200002 (ESCI, Ulakbim TR Dizin)
2. Tunckal, C., Coşkun, S., Doymaz, İ., Ergun, E. (2018). "Determination of Sliced Pineapple Drying Characteristics in A Closed Loop Heat Pump Assisted Drying System", *International Journal of Renewable Energy Development*, 7(1), 35-41.

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3. Coban, S., Ozkarasu, B., Senberber, F. T., Kipcak, A. S., Doymaz, İ., Derun, E. M. (2018 February). Microwave Dehydration Modelling of Tincalconite. *Journal of Thermal Engineering*, 4(2), 1803-1812. (ESCI, Ulakbim TR Dizin)
4. Doymaz, İ., Kipcak, A. S., (2018 February). Investigation of Infrared Drying of Pomegrante By-Products. *Journal of Thermal Engineering*, 4(2): 1821-1827. (ESCI, Ulakbim TR Dizin)
5. Filiz, B. C., Figen, A. K., & Pişkin, S. (2018). Dual combining transition metal hybrid nanoparticles for ammonia borane hydrolytic dehydrogenation. *Applied Catalysis A: General*, 550, 320-330.
6. Terzi, E., Kartal, S. N., Pişkin, S., Stark, N., Figen, A. K., & White, R. H. (2018). Colemanite: A Fire Retardant Candidate for Wood Plastic Composites. *BioResources*, 13(1), 1491-1509.
7. Figen, A. K., Taşçı, K., & Filiz, B. C. (2018). Synergetic Effect of Sodium Borohydride Addition in Ammonia Borane Hydrolysis Reaction Mechanism and Kinetics. *Kinetics and Catalysis*, 59(2), 128-135.
8. Meşe, E., Figen, A. K., Filiz, B. C., & Pişkin, S. (2018). Cobalt-boron loaded thermal activated Turkish sepiolite composites (Co-B@ tSe) as a catalyst for hydrogen delivery. *Applied Clay Science*, 153, 95-106.

B. Uluslararası Tebliğler

1. Karbuz, P., Yildirim, M., Kipcak, A. S., Derun, E. M. & Tugrul, N. (2018, April). Microwave- and Ultrasound-Assisted Extraction of Pectin from Mandarin Peel. *International Eurasian Conference on Biological and Chemical Sciences*. 26-27 April, Ankara, Turkey, pp. 166-171.
2. Kipcak, A. S., Tugrul, N., Tor, T., Piskin, M. B. & Derun, E. M. (2018, April). The Effect of Different Boron Sources on the Solid-State Synthesis of Dehydrated Potassium Borates at 700 °C. *International Eurasian Conference on Biological and Chemical Sciences*. 26-27 April, Ankara, Turkey, pp. 1242.
3. Kiziltas Demir, S., Kipcak, A. S., Derun, E. M., Piskin, M. B. & Tugrul, N. (2018, April). Adsorption Study of Zinc Metal in Synthetic Waste Waters using Hydroxyapatite Produced from Çayırhan Coal Plant Waste. *International Eurasian Conference on Biological and Chemical Sciences*. 26-27 April, Ankara, Turkey, pp. 1292.
4. Çelik M., Dalak E., Ülger Z., Özbek B., "A Study on the Laundry Powder Detergent Saving by Repetitive Use of Active Detergent Components", *Proceedings of Academic Conference Network (ACN) International Conference, International Conference on Environment, Agriculture and Biotechnology (ICEABT), İSTANBUL, TÜRKİYE, 20-20 Şubat 2018*, pp.3-3
5. Pehlivan M. , Şimşek Kekevi S., Özbek S., Özbek B., "Effects of Synthesis Method on Al₂O₃ Nanoparticle Generation", *Proceedings of Academic Conference Network (ACN)*

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- International Conference, International Conference on Environment, Agriculture and Biotechnology (ICEABT), İSTANBUL, TÜRKİYE, 20-20 Şubat 2018, pp.2-2
6. Pehlivan M., Şimşek Kekevi S., Özbek S., Özbek B., "Characterization Study on Alumina Nanoparticles Synthesised by Solution Combustion Method", Proceedings of Academic Conference Network (ACN) International Conference, International Conference on Environment, Agriculture and Biotechnology (ICEABT), İSTANBUL, TÜRKİYE, 20-20 Şubat 2018, pp.1-1
 7. Şenol Ş., **Akyol E.**, "Controlled Release of Donepezil Hydrochloride from PEG-DA Hydrogels under Uv Irradition", International Conference on New Trends in Chemistry, St. Petersburg, Rusya, 11-13 Mayıs 2018.
 8. Çakar P., **Akyol E.**, "Degradation Rate of Paper Dyed with Rheum Ribes L.", 4th International Conference on New Trends in Chemistry, St. Petersburg, Rusya, 11-13 Mayıs 2018.
 9. Bodur, B., **Doğan, Ö.**, "Applications of Core-Shell Composite Hydrogels in Drug Delivery Systems", 4th International Conference on New Trends in Chemistry, pp.62, St. Petersburg, Rusya, 11-13 Mayıs, 2017 (Özeti Basıldı, Sözel).
 10. Ekingen, İ., **Doğan, Ö.**, "Adsorption of Bovine Serum Albumin onto Hydroxyapatite", 4th International Conference on New Trends in Chemistry, pp.125, St. Petersburg, Rusya, 11-13 Mayıs, 2017 (Özeti Basıldı, Poster).
 11. İlknur Küçük and İbrahim Doymaz, "Experimental and Modeling Investigation of Mass Transfer for Kumquat Slices during Infrared Drying", 1st International Eurasian Conference on Biological and Chemical Sciences (EurasianBioChem 2018) 26-27 April 2018, Ankara Turkey (ORAL)
 12. İlknur Küçük and İbrahim Doymaz, "Hot-air Drying of Kumquat Slices in Convective Cabinet Dryer", International Conference on New Trends in Chemistry (4th ICNTC 2018), 11 – 13 May 2018 , St. Petersburg, Russia (ORAL)
 13. Fatmagül Şahin, N. Gayenur Hut, G. Helin Özçelik, İlknur Küçük and İbrahim Doymaz, "Edible films based on chitosan: Preparation and physicochemical evaluation", International Conference on New Trends in Chemistry (4th ICNTC 2018), 11 – 13 May 2018 , St. Petersburg, Russia (POSTER)
 14. S. Rogenbuke, **A. Hasanoğlu** CONCENTRATION OF FRUIT JUICES IN A HYBRID PROCESS OF OSMOTIC DISTILLATION and MEMBRANE DISTILLATION, MELPRO 2018, May 13 - 16, 2018 in Prague, Czech Republic
 15. A. Çalhan, S. Deniz, **A. Hasanoğlu**, METAL ORGANIC FRAMEWORK PARTICLE FILLED PI/PDMS COMPOSITE MEMBRANES FOR PERVAPORATION SEPARATION OF BIOBUTANOL, MELPRO 2018, May 13 - 16, 2018 in Prague, Czech Republic

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16. Oktay R., Acarali N., Gülen F.J., "Optimization Study of Water-Based Acrylic Coatings for Glass Materials", Paint Istanbul 2018, İstanbul, Türkiye, 20-21 Mart 2018.
17. Demir S., Acarali N., "Characterization of Construction Dyes Containing Bamboo/Shellac/Surfactant Ternary System", Paintistanbul 2018, İstanbul, Türkiye, 20-21 Mart 2018.
18. Yilmaz V., Tonta G., Özgündüz H.İ., Acarali N., "Evaluation of Industrial/Organic Waste in Dye Industry", Paintistanbul 2018, İstanbul, Türkiye, 20-21 Mart 2018
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20. Eren, E., Derun, E. M., Piskin, S. (2018, February). Investigation of the effects of boric acid and boric acid wastes on alkali activated fly ashes. II. International Conference on Ecology, Ecosystems and Climate Change (ECOLOGY '18), Istanbul, Turkey
21. Derun, E., Yildirim, M., Karamahmut Mermer, N., & Şenberber, F. T. (2018, April). Comparison of different treatment methods for Cr (III) adsorption onto borax sludge, International Eurasian Conference on Biological and Chemical Sciences (EurasianBioChem 2018), April 26-27, 2018 Ankara, Turkey
22. Şenberber, F. T. & Derun, E. (2018, April). Evaluation of Mg wastes in hydrothermal synthesis of magnesium phosphate, International Eurasian Conference on Biological and Chemical Sciences (EurasianBioChem 2018), Ankara, Turkey.
23. Rona E.B., Yildirim, M. & Derun, E. (2018, May). Removal of Cu (II) from wastewater of metal coating process by borax sludge, EurAsia Waste Management Symposium, Istanbul, Turkey.
24. Erdoğdular A.O., Apar D.K, 2018, Biosorption of reactive dyes by kefir grains, 4th International Conference on New Trends in Chemistry, St. Petersburg, Rusya.

C. Kitap / Kitap Bölümü

1. Gezerman A.O, Corbacioglu, B.D., Gurjar, B.R. "Effective Solutions to Pollution Mitigation for Public Welfare", Environment & Agriculture Books, IGI Global, DOI: 10.4018/978-1-5225-3379-5, April 2018.

D. Ulusal Endeks Makaleler

1. Doymaz, İ. (2018). "Impact of Pre-Treatments on Drying of Black Carrot". Dokuz Eylül University-Faculty of Engineering, Journal of Science and Engineering, 20, 322-335.
2. Öz, Ç., Filiz, B. C., & Figen, A. K. (2018). Talaş Magnezyum Atığından Hidrojen Gazı Üretimi ve Hız Profillerinin İncelenmesi, Politeknik Dergisi.

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E. Ulusal Tebliğler

1. Doğrusoy, Ş., Doğan, Ö., “Biyoyumlu Hidrojel ile Timolol Maleatin Kontrollü Salınımı”, III. Yaşam Bilimleri Kongresi, sayfa sayısı. 27, Abdullah Gül Üniversitesi, Kayseri, Türkiye, 23-24 Şubat 2018 (Özeti Basıldı, Poster).
2. Bodur, B., Doğan, Ö., “Polisakkarit Bazlı Çekirdek-Kabuk (Core-Shell) Kompozit Hidrojeller”, International Eurasian Conference on Biological and Chemical Sciences (EurasianBioChem 2018), pp.417, Ankara, Turkey, 26-27April 2018 (Özeti Basıldı, Sözel).
3. Baka,B., Çorbacıoğlu, B.D., Basit, S.,” Elektronik Atıklardan Değerli Metallerin Geri Kazanımı “ 9. Ulusal Atık Yönetimi Kongresi-UKAY 2018, 9-12 Mayıs 2018, Konya.