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RES. ASST. PHD

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International Researcher IDs

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Publons / Web Of Science ResearcherID: AAR-5444-2020

Yoksis Researcher ID: 47472



Learning Knowledge

Doctorate
2013 - 2019

Kocaeli University, Fen Bilimleri Enstitüsü, Kimya Mühendisliği Anabilim Dalı,
Turkey

Postgraduate
2010 - 2013

Kocaeli University, Fen Bilimleri Enstitüsü, Kimya Mühendisliği Anabilim Dalı,
Turkey

Undergraduate
2002 - 2009

Kocaeli University, Mühendislik Fakültesi, Kimya Mühendisliği Bölümü, Turkey

Foreign Languages

English, B2 Upper Intermediate

Dissertations

Doctorate, FARKLI CHLORELLA TÜRLERİNİN BİYODİZEL VE ATIK SU ARITIMINDA KULLANILMAK ÜZERE ÜRETİMİ,
Kocaeli Üniversitesi, Fen Bilimleri Enstitüsü, Kimya Mühendisliği, 2019

Postgraduate, Bitkisel atık yağlardan tutuklanmış lipaz katalizli biyodizel üretimi, Kocaeli Üniversitesi, Fen Bilimleri
Enstitüsü, Kimya Mühendisliği Anabilim Dalı, 2013

Academic Titles / Tasks

Research Assistant PhD
2012 - Continues

Kocaeli University, Mühendislik Fakültesi, Kimya Mühendisliği

Supported Projects

- AKMAN E., BORA M. Ö., ÇOBAN O., GENÇ ÖZTOPRAK B., KUTLUK T., Ceylan R., Ozun E., Project Supported by Higher Education Institutions, Nano Malzeme Takviyeli Alüminyum Yapıştırma Bağlantılarının Mekanik Özelliklerinin İncelenmesi, 2021 - 2022

2. ÇOBAN O., SINMAZÇELİK T., KUTLUK T., BORA M. Ö., Project Supported by Higher Education Institutions, VOLKANİK PARTİKÜL DOLGUTAKVİYE MAMÜL HAZIRLIĞI (PATENT), 2021 - 2021
3. KUTLUK T., Project Supported by Higher Education Institutions, Besi Ortamındaki Tuzluluk Derişiminin Dunaliella Tertiolecta Türü Mikroalgın Büyümesi Ve Yağ İçeriğine Etkisi, 2019 - 2020
4. Kapucu N., Uyar B., Kutluk T., TÜBİTAK Project, 1001-MAG 217M525Atık Yemeklik Yağların Lipaz Katalizli Biyoyağlama Yağı Üretiminde Hammadde Kaynağı Olarak Kullanılabilirliğinin Araştırılması, 2018 - 2019
5. Kodal M., Özkoç G., Kutluk T., Kapucu N., Project Supported by Higher Education Institutions, Alg yağının poli(laktik asit) için plastikleştirici olarak kullanılma potansiyelinin incelenmesi, 2017 - 2019
6. KODAL M., KUTLUK T., ÖZKOÇ G., KAPUCU N., Project Supported by Higher Education Institutions, ALG YAĞININ POLİ(LAKTİK ASİT) İÇİN PLASTİKLEŞTİRİCİ OLARAK KULLANILMA POTANSİYELİNİN İNCELENMESİ, 2017 - 2018
7. KAPUCU N., UYAR B., KUTLUK T., Project Supported by Higher Education Institutions, BİYODİZEL ÜRETİMİ İÇİN CHLORELLA TÜRÜ MİKROALGIN YAĞ İÇERİĞİNİN ARTTIRILMASI, 2017 - 2017
8. KAPUCU N., PEKCAN Z., KUTLUK T., Project Supported by Higher Education Institutions, ENZİMATİK GLUKONİK ASİT ÜRETİMİ, 2017 - 2017
9. Uyar B., Kapucu N., Özer Uyar G. E., Kutluk T., Project Supported by Higher Education Institutions, Improving the oil production process from microalgae, 2016 - 2017
10. KAPUCU N., KUTLUK T., Project Supported by Higher Education Institutions, Yağ asidi metil esterlerinin evsel atık yağlardan enzim katalizli üretilebilirliğinin araştırılması, 2014 - 2015

Published journal articles indexed by SCI, SSCI, and AHCI

1. **Effects of Double and Triple Hybrid Nanomaterial Reinforcements on Mechanical Performance of Aluminium Adhesive Joints**
Ozun E., Ceylan R., BORA M. Ö., ÇOBAN O., KUTLUK T.
JOURNAL OF MATERIALS ENGINEERING AND PERFORMANCE, vol.33, no.9, pp.4392-4407, 2024 (SCI-Expanded)
2. **Investigation of Different Light Sources and Cycles on the Growth and Lipid Production Mechanisms for Various Microalgae Species**
KUTLUK T., KAPUCU N.
Iranian Journal of Chemistry and Chemical Engineering, vol.42, no.6, pp.1987-1994, 2023 (SCI-Expanded)
3. **Statistical Analysis of Enzymatic Reaction Parameters for Biolubricant Synthesis via Response Surface Methodology (RSM)**
Kutluk Gürkaya B., KUTLUK T., KAPUCU N.
Iranian Journal of Chemistry and Chemical Engineering, vol.42, no.6, pp.1995-2007, 2023 (SCI-Expanded)
4. **Statistical Analysis of Enzymatic Reaction Parameters for Biolubricant Synthesis via Response Surface Methodology (RSM)**
Gurkaya K. B., KUTLUK T., KAPUCU N.
IRANIAN JOURNAL OF CHEMISTRY & CHEMICAL ENGINEERING-INTERNATIONAL ENGLISH EDITION, no.6, pp.1995-2007, 2023 (SCI-Expanded)
5. **Lipase catalysis: an environmentally friendly production for polyol esters (biolubricant) from microalgae oil**
KUTLUK T., Kutluk B. G.
ENVIRONMENTAL TECHNOLOGY, vol.44, no.27, pp.4099-4112, 2023 (SCI-Expanded)
6. **The effect of hygrothermal aging on the adhesion performance of nanomaterial reinforced aluminium adhesive joints**
Ceylan R., Ozun E., ÇOBAN O., BORA M. Ö., KUTLUK T.
International Journal of Adhesion and Adhesives, vol.121, 2023 (SCI-Expanded)
7. **Combined effect of surface pretreatment and nanomaterial reinforcement on the adhesion strength of aluminium joints**
Ozun E., Ceylan R., Bora M. Ö., ÇOBAN O., KUTLUK T.
INTERNATIONAL JOURNAL OF ADHESION AND ADHESIVES, vol.119, 2022 (SCI-Expanded)

8. **A commercial lipase Resinase (R) HT (*Aspergillus oryzae*) efficiency on triglycerides transesterification and process optimization**
KUTLUK T., Kutluk B. G.
SUSTAINABLE CHEMISTRY AND PHARMACY, vol.30, 2022 (SCI-Expanded)
9. **Enzymatic Synthesis of Trimethylolpropane-Bases Biolubricants from Waste Edible Oil Biodiesel Using Different Types of Biocatalysis**
Gürkaya Kutluk B., KUTLUK T., KAPUCU N.
Iranian Journal of Chemistry and Chemical Engineering, vol.41, no.9, pp.3234-3243, 2022 (SCI-Expanded)
10. **Investigation of the Characteristics and Growth of *Chlorella variabilis* via Biosorption of a Steel Industry Wastewater**
HASANOĞLU S., KUTLUK T., KAPUCU N.
JOURNAL OF WATER CHEMISTRY AND TECHNOLOGY, vol.43, no.5, pp.423-431, 2021 (SCI-Expanded)
11. **Molecular and Spectroscopic Evaluation of the Effects of Coumarin on Lentil**
YÜKSEL B., AKSOY Ö., KUTLUK T.
Cytology and genetics, vol.55, pp.274-282, 2021 (SCI-Expanded)
12. **Comparison of novel surface treatments of Al 2024 alloy for al/cfrp adhesive bonded joints**
Özgür Bora M. Ö., ÇOBAN O., AKMAN E., Oztoprak B., KUTLUK T.
INTERNATIONAL JOURNAL OF ADHESION AND ADHESIVES, vol.103, 2020 (SCI-Expanded)
13. **Environmentally friendly processes from coffee wastes to trimethylolpropane esters to be considered biolubricants**
Unugul T., KUTLUK T., Gürkaya Kutluk B., KAPUCU N.
JOURNAL OF THE AIR & WASTE MANAGEMENT ASSOCIATION, vol.70, no.11, pp.1198-1215, 2020 (SCI-Expanded)
14. **Non-Isothermal Crystallization Kinetics of Green Microalgae Filled Poly(Lactic Acid)**
KODAL M., KUTLUK T., Yarıci T., KAPUCU N., ÖZKOÇ G.
ACTA PHYSICA POLONICA A, vol.136, no.6, pp.974-982, 2019 (SCI-Expanded)
15. **The use of volcanic particles in HDPE offers alternative filling material against CaCO₃. Part II—scratch properties**
Bora M. Ö., Çoban O., Kutluk T., Akagündüz E.
Polymer Composites, vol.40, pp.2564-2572, 2019 (SCI-Expanded)
16. **Comparative Study of Volcanic Particle and Calcium Carbonate Filler Materials in HDPE for Thermal and Mechanical Properties**
ÇOBAN O., BORA M. Ö., KUTLUK T.
POLYMER COMPOSITES, vol.39, 2018 (SCI-Expanded)
17. **Mechanical and Thermal Properties of Volcanic Particle Filled PLA/PBAT Composites**
ÇOBAN O., BORA M. Ö., KUTLUK T., ÖZKOÇ G.
POLYMER COMPOSITES, vol.39, 2018 (SCI-Expanded)
18. **Heat Treatment Effect on Thermal and Thermomechanical Properties of Polyphenylene Sulfide Composites Reinforced With Silane-Treated Volcanic Ash Particles**
ÇOBAN O., BORA M. Ö., KUTLUK T., FİDAN S., SINMAZÇELİK T.
POLYMER COMPOSITES, vol.39, no.5, pp.1612-1619, 2018 (SCI-Expanded)
19. **Heat Treatment Effect on Solid Particle Erosion Properties of Polyphenylene Sulfide Composites Reinforced With Silane Coupled Volcanic Ash Particles**
ÇOBAN O., BORA M. Ö., FİDAN S., KUTLUK T., SINMAZÇELİK T.
POLYMER COMPOSITES, vol.39, no.5, pp.1638-1646, 2018 (SCI-Expanded)
20. **The Influence of Heat Treatment Process on Mechanical Properties of Surface Treated Volcanic Ash Particles/Polyphenylene Sulfide Composites**
BORA M. Ö., ÇOBAN O., KUTLUK T., FİDAN S., SINMAZÇELİK T.
POLYMER COMPOSITES, vol.39, no.5, pp.1604-1611, 2018 (SCI-Expanded)
21. **Surface Modification Effect of Volcanic Ash Particles Using Silane Coupling Agent on Mechanical Properties of Polyphenylene Sulfide Composites**
BORA M. Ö., ÇOBAN O., FİDAN S., KUTLUK T., SINMAZÇELİK T.

- ACTA PHYSICA POLONICA A, vol.129, no.4, pp.495-497, 2016 (SCI-Expanded)
22. **Effect of Silane as Coupling Agent on Dynamic Mechanical Properties of Volcanic Ash Filled PPS Composites**
ÇOBAN O., BORA M. Ö., KUTLUK T., FİDAN S., SINMAZÇELİK T.
ACTA PHYSICA POLONICA A, vol.129, no.4, pp.492-494, 2016 (SCI-Expanded)
23. **Silane Coupling Efficiency on Thermal Properties of Volcanic Ash Filled PPS Composites**
KUTLUK T., ÇOBAN O., BORA M. Ö., FİDAN S., SINMAZÇELİK T.
ACTA PHYSICA POLONICA A, vol.129, no.4, pp.498-500, 2016 (SCI-Expanded)

Articles Published in Other Journals

1. **Lipid productivity of marine microalgae *Dunaliella Tertiolecta* in Marmara Seawater and Johnson's media with different salinities and evaluation as a raw material source for biofuel production**
KUTLUK T.
Journal of Advanced Research in Natural and Applied Sciences, vol.7, pp.266-273, 2021 (Peer-Reviewed Journal)
2. **Mikroalg yağının lipaz katalizli hidroliz tepkimesine etki eden proses parametrelerinin istatistiksel yöntemle optimizasyonu**
KUTLUK T.
Gümüşhane Üniversitesi Fen Bilimleri Enstitüsü Dergisi, vol.11, no.1, pp.111-125, 2021 (Peer-Reviewed Journal)
3. **Treatment of fizzy drink factory wastewaters by microalgae and evaluation of algae oil for biofuel production**
KUTLUK T., KAPUCU N.
European Journal of Science and Technology, no.18, pp.879-884, 2020 (Peer-Reviewed Journal)
4. **Effect Of Different Nitrogen Sources On The Growth And Lipid Accumulation Of *Chlorella Variabilis***
Altın N., Kutluk T., Uyar B., Kapucu N.
Journal of Applied Biological Sciences, vol.12, pp.38-40, 2018 (Peer-Reviewed Journal)
5. **Growth and Lipid Production of Two Microalgae Strains in Pilot Scale (35 L) Panel Photobioreactors**
Uyar B., Kutluk T., Özer Uyar G. E., Kapucu N.
Journal of Advanced Physics, vol.7, pp.1-3, 2018 (Peer-Reviewed Journal)
6. **EFFECT OF LIGHT INTENSITY ON THE GROWTH OF *CHLORELLA VARIABILIS***
UYAR B., KUTLUK T., KAPUCU N.
Deu Muhendislik Fakültesi Fen ve Muhendislik, vol.18, pp.49, 2016 (Peer-Reviewed Journal)
7. **Effects of catalyst loading and reusability on transesterification of waste sunflower oil using immobilized lipase *Thermomyces Lanuginosa***
KUTLUK T., GÜRKAYA KUTLUK B., KAPUCU N.
Journal of Selçuk University Natural and Applied Science, pp.931-935, 2014 (Peer-Reviewed Journal)
8. **Survey of Buffer Solution and pH Effect on Immobilization of Lipozyme TL 100L on Celite**
GÜRKAYA KUTLUK B., AKBİN H. M., KUTLUK T., KAPUCU N.
Journal of Selçuk University Natural and Applied Science, pp.927-930, 2014 (Peer-Reviewed Journal)
9. **The Effect of pH on Cross Binding of Lipases with Glutaraldehyde**
BORAN K., AŞICI M., KUTLUK T., KAPUCU N.
Journal of the Turkish Chemical Society, Section A: Chemistry, 2014 (Scopus)

Refereed Congress / Symposium Publications in Proceedings

1. **Etilen Glikol-Alg Yağı Esterleri ile Plastikleştirilmiş PLA'nın Mekanik, Isıl, Termo-Mekanik ve Morfolojik Özelliklerinin İncelenmesi**
Aydoğdu H., Yazıcı N., Yıldırım R., Kutluk T., Kapucu N., Özkoç G., Kodal M.

VIII. Uluslararası Katılımlı Polimer Bilim ve Teknoloji Kongresi, Malatya, Turkey, 20 - 23 June 2022

2. **Investigation of adhesive shear strength for various nanomaterial reinforced AA7075-T6 adhesive joints**
Ceylan R., Ozun E., BORA M. Ö., ÇOBAN O., KUTLUK T.
3rd International Eurasian Conference on Science, Engineering and Technology (EurasianSciEnTech 2021), Ankara, Turkey, 15 December 2021, pp.598-605
3. **Effect of mechanical and chemical surface pretreatments on the shear strength of MWCNT-COOH reinforced aluminium adhesive joints**
Ozun E., Ceylan R., Bora M. Ö., Çoban O., Kutluk T.
3rd International Eurasian Conference on Science, Engineering and Technology (EurasianSciEnTech 2021), Ankara, Turkey, 15 December 2021, pp.606-613
4. **Gliserin ve Dimetil Karbonattan (DMC) Biyoteknolojik olarak Gliserin Karbonat üretimi**
AYDOĞDU S., KUTLUK T., KAPUCU N.
ULUSLARARASI MARMARA FEN BİLİMLERİ KONGRESİ, IMASCON, 1 - 03 November 2019
5. **Biotechnological production of glycerol carbonate from glycerin and dimethyl carbonate (DMC)**
Aydoğdu S., Kutluk T., Kapucu N.
International Marmara Sciences Congress (Autumn), Proceedings Book (Natural and Applied Sciences), (IMASCON, Kocaeli, Turkey, 1 - 03 November 2019
6. **Evaluation of Different Surface Treatment Methods Applied to Improve the Chemical Adhesion Mechanism of Al/CFRP Adhesive Bonding**
GENÇ ÖZTOPRAK B., ÇOBAN O., AKMAN E., BORA M. Ö., KUTLUK T.
International Conference on Engineering Technologies (ICENTE'xx19), Konya, Turkey, 25 - 27 October 2019, pp.274-279
7. **Shear Strength Performance Evaluation of Al/CFRP Adhesive Bonded Joints with Various Silane Treatments at Aluminum Surfaces**
BORA M. Ö., ÇOBAN O., KUTLUK T., AKMAN E., GENÇ ÖZTOPRAK B.
International Conference on Engineering Technologies (ICENTE'xx19), Konya, Turkey, 25 - 27 October 2019, pp.270-273
8. **FPL Etching Parameter Optimization for Adhesion Performance of Al/CFRP Adhesive Joints**
ÇOBAN O., BORA M. Ö., GENÇ ÖZTOPRAK B., AKMAN E., KUTLUK T.
International Conference on Engineering Technologies (ICENTE'xx19), Konya, Turkey, 25 - 27 October 2019, pp.280-284
9. **Biotechnological production of glycerol carbonate from glycerin and dimethyl carbonate (DMC)**
SELDA A., KUTLUK T., KAPUCU N.
INTERNATIONAL MARMARASCIENCES CONGRESS, 1 - 03 November 2019
10. **Spectroscopic (FTIR) and Chromatographic (Gas) Methods for Identifying Biolubricant End Products After Transesterification Reactions**
KUTLUK T., Gürkaya Kutluk B., UYAR B., KAPUCU N.
3rd International academic Studies Conference, UBCAK, 14 - 16 October 2019
11. **Chlorella ESP-6 Microalgae Growth Behavior in Heterotrophic and Mixotrophic Circumstances**
KUTLUK T., KAPUCU N.
3rd International academic Studies Conference, UBCAK, 14 - 16 October 2019
12. **Effect of Different Nitrogen Limitation on Growth Rate and Lipid Content Of Chlorella protothecoides Microalgae**
KUTLUK T., KAPUCU N.
International Ankara Conference on Scientific Researches, 4 - 06 October 2019
13. **Improvement of Novozym 51032 Lipase Catalyzed Transesterification Reaction Parameters For Biofuel Production By Response Surface Methodology**
Gürkaya Kutluk B., KUTLUK T., UYAR B., KAPUCU N.
International Ankara Conference on Scientific Researches, 4 - 10 October 2019
14. **Besin ortamındaki tuz miktarının Dunaliella tertiolecta türü mikroalgın büyümesine ve yağ içeriğine**

etkisi

ALTIN N., KUTLUK T., UYAR B., KAPUCU N.

Uluslararası Katılımlı 20. Biyoteknoloji Kongresi, 10 - 12 October 2019

15. **Aspergillus Oryzae Lipaz Katalizörü Varlığında Gerçekleşen Transssterleşme Tepkime Değişkenlerinin Yanıt Yüzey Yöntemi ile İyileştirilmesi**
Gürkaya Kutluk B., KUTLUK T., UYAR B., KAPUCU N.
Uluslararası Katılımlı 20. Biyoteknoloji Kongresi, 10 - 12 October 2019
16. **The effect of heterotroph and mixotroph conditions on the accumulation of Chlorella variabilis microalge oil**
KUTLUK T., KAPUCU N.
2nd International Eurasian Conference on Biological and Chemical Sciences (EurasianBioChem 2019), 28 - 29 June 2019
17. **Statistical approach to experimental design in the Synthesis of Polyol Ester from Fatty Acid Methyl Esters by using Lipozyme TL IM catalyst**
Gürkaya Kutluk B., KUTLUK T., UYAR B., KAPUCU N.
2nd International Eurasian Conference on Biological and Chemical Sciences (EurasianBioChem 2019), 28 - 29 June 2019
18. **Heterotrof ve miksotrof koşulların Chlorella variabilis türü mikroalgin yağ birikimine etkisi,**
KUTLUK T., KAPUCU N.
2nd International Eurasian Conference on Biological and Chemical Sciences (EurasianBioChem 2019), 28 - 29 June 2019
19. **Effects of Photobioreactor Height / Diameter Ratio on Chlorella variabilis Type Microalgae Growth and Oil Efficiency**
ALTIN N., KUTLUK T., UYAR B., KAPUCU N.
Uluslararası 19 Mayıs Multidisipliner Çalışmalar Kongresi, 17 - 19 May 2019
20. **Analyze The Reaction Parameters for Free Fatty Acid Esters Synthesis by Response Surface Methodology (RSM),**
Gürkaya Kutluk B., KUTLUK T., UYAR B., KAPUCU N.
Uluslararası 19 Mayıs Multidisipliner Çalışmalar Kongresi, 17 - 19 May 2019
21. **Mechanical, thermal, rheological and morphological properties of poly(lactic acid)/butanol-algae oil esters**
KODAL M., KUTLUK T., AYDOĞDU H., KAPUCU N., ÖZKOÇ G.
35th International Conference of the Polymer Processing Society (PPS-35), Çeşme, Turkey, 26 - 30 May 2019
22. **MICROALGES IN RENEWABLE ENERGY AND INDUSTRIAL APPLICATIONS**
ALTIN N., KUTLUK T., UYAR B., KAPUCU N.
INTERNATIONAL MARMARA SCIENCES CONGRESS (SPRING), 26 - 28 April 2019
23. **Yenilenebilir Enerji ve Endüstriyel Uygulamalarda Mikroalgler**
ALTIN N., KUTLUK T., UYAR B., KAPUCU N.
International Marmara Science and Social Sciences Congress, (IMASCON), 26 - 28 April 2019
24. **Esterification of Waste Edible Oil Fatty Acids With Oleyl Alcohol,**
Gürkaya Kutluk B., KUTLUK T., UYAR B., KAPUCU N.
International Marmara Science and Social Sciences Congress, (IMASCON), 26 - 28 April 2019
25. **Environment Friendly Process for the Evaluation of Waste Coffee Oils: Biolubricant**
ÜNÜGÜL T., KUTLUK T., KAPUCU N.
International Marmara Science and Social Sciences Congress, (IMASCON-18), 23 - 25 November 2018
26. **Atık Kahve Yağlarının Değerlendirilmesi için Çevre Dostu Proses: Biyoyağlayıcı**
ÜNÜGÜL T., KUTLUK T., KAPUCU N.
International Marmara Science And Social Sciences Congress, Kocaeli, Turkey, 23 - 25 November 2018
27. **Waste Frying Oils Management: Production Of Biolubricants By Environmentally Friendly Processes**
GÜRKAYA KUTLUK B., KUTLUK T., UYAR B., KAPUCU N.
International Marmara Science And Social Sciences Congress, Kocaeli, Turkey, 23 - 25 November 2018

28. **Butyl esters synthesis from waste cooking oil fatty acids as a green product for lubrication**
GÜRKAYA KUTLUK B., KUTLUK T., UYAR B., KAPUCU N.
International Eurasian Conference On Science, Engineering And Technology, Ankara, Turkey, 22 - 23 November 2018
29. **Lipid productivity of microalgae *Chlorella variabilis* under the different light cycles**
KUTLUK T., UYAR B., KAPUCU N.
International Eurasian Conference On Science, Engineering And Technology, Ankara, Turkey, 22 - 23 November 2018
30. **Microalgae Growth And Lipid Production In Fizzy Drink Wastewater Media**
ÖZER İ., KUTLUK T., UYAR B., KAPUCU N.
1. Euroasian Biochemical Approaches Technologies Congress, Antalya, Turkey, 27 - 30 October 2018
31. **Optimization Of Enzymatic Reaction Parameters Of Trimethylolpropane Esters From Biodiesel Via Response Surface Methodology (RSM)**
GÜRKAYA KUTLUK B., KUTLUK T., UYAR B., KAPUCU N.
1. Euroasian Biochemical Approaches Technologies Congress, Antalya, Turkey, 27 - 30 October 2018
32. **Simultaneous White Goods Wastewater Treatment and Lipid Production Using Microalgae *Chlorella* ESP-6**
ÇÖMEK S., ERGENE F., KUTLUK T., OKTOR K., UYAR B., KAPUCU N.
International Symposium Urban Water and Wastewater Management, Denizli, Turkey, 25 - 27 October 2018, pp.1085-1088
33. **Investigation of Leachate Treatment Ability of Different Green Microalgae Species**
ERDOĞDU D., BUDAK E., KUTLUK T., OKTOR K., KAPUCU N.
International Symposium on Urban Water and Wastewater Management, Denizli, Turkey, 25 - 27 October 2018, pp.976-979
34. **Simultaneous White Goods Wastewater Treatment And Lipid Production Using Microalgae *Chlorella* ESP-6**
ÇÖMEK S., ERGENE F., KUTLUK T., OKTOR K., UYAR B., KAPUCU N.
International Symposium on Urban Water and Wastewater Management, Denizli, Turkey, 25 - 27 October 2018
35. **Enzimatik Deproteinizasyonu Ve Kitosan Üretimi**
KUTLUK T., KÜÇÜKGACAL N., KAPUCU N.
VII. Polymer Science and Technology Congress with International Participation, Eskişehir, Turkey, 9 - 12 September 2018
36. **Alg yağı ile plastikleştirilmiş PLA'nın mekanik, ısıl ve morfolojik özelliklerinin incelenmesi**
AYDOĞDU H., KODAL M., KUTLUK T., KAPUCU N., ÖZKOÇ G.
Uluslararası Katılımlı VII. Polimer Bilim ve Teknoloji Kongresi, Eskişehir, Turkey, 9 - 12 September 2018, pp.233
37. **Enzymatic Synthesis Of Microalgal Fatty Acid Esters As A Potential Plasticizing Agent For Poly (Lactic Acid) (PLA) Applications**
KUTLUK T., KODAL M., KAPUCU N., ÖZKOÇ G.
VII. Polymer Science and Technology Congress with International Participation, Eskişehir, Turkey, 9 - 12 September 2018
38. **Karides Atıklarının Enzimatik Deproteinizasyonu ve Kitosan Üretimi**
KUTLUK T., KÜÇÜKGACAL N., KAPUCU N.
VII. Polymer Science and Technology Congress with International Participation, 9 - 12 September 2018
39. **Alg Yağı İle Plastikleştirilmiş PLA'nın Mekanik, Isıl Ve Morfolojik Özelliklerinin İncelenmesi**
AYDOĞDU H., KODAL M., KUTLUK T., KAPUCU N., ÖZKOÇ G.
VII. Polymer Science and Technology Congress with International Participation, Eskişehir, Turkey, 9 - 12 September 2018
40. **Trioleinin Lipaz Katalizli Transesterleşme İle Biyodizel Üretim Prosesinin Aspen 7.2 Versiyon Program İle Simulasyonu**
KUTLUK T., KAPUCU N.
13.Ulusal Kimya Mühendisliği Kongresi, Van, Turkey, 3 - 06 September 2018

41. **Trioleinin Lipaz Katalizli Transesterleşme ile Biyodizel Üretim Prosesinin Aspen 7.2 Versiyon Program ile Simulasyonu**
KUTLUK T., KAPUCU N.
13.Ulusal Kimya Mühendisliği Kongresi, Turkey, 3 - 06 September 2018
42. **Synthesis Of Bioesters From Waste Sunflower Oil Biodiesel Using A Biocatalytic Route**
GÜRKAYA KUTLUK B., KUTLUK T., KAPUCU N.
1. INTERNATIONAL TECHNOLOGICAL SCIENCES AND DESIGN SYMPOSIUM, Giresun, Turkey, 28 - 30 June 2018
43. **Of Ferric Citrate Concentration On Growth And Lipid Production Of Microalgae Chlorella Variabilis**
ALTIN N., KUTLUK T., UYAR B., KAPUCU N.
1st International Technology Sciences and Design Symposium, Giresun, Turkey, 28 - 30 June 2018
44. **Effect Of Ferric Citrate Concentration On Growth And Lipid Production of Microalgae Chlorella Variabilis**
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68. **A GENERAL OVERVIEW ON ENZYMATIC SYNTHESIS OF GLUCONIC ACID**
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85. **Organic solvent and temperature tolerance of lipase for FAME synthesis**
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86. **Organik çözücülerin mikroalg yağından lipaz katalizli transesterleşme reaksiyonuna etkilerinin incelenmesi**
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89. **Effect of NaCl and KCl on the growth morphology and lactic acid production of Rhizopus oryzae**
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91. **Which catalyst is better for biodiesel production process from waste edible oil enzyme or chemical a crosscheck**
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93. **BİYODİZEL NE KADAR YEŞİL**
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105. **Lipaz katalizörlü biyodizel üretimi için farklı nesil yağların karşılaştırılması**
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110. **Effects of different solvent types on the production of fatty acid methyl esters from waste edible oil via enzymatic process**
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5. Ulusal Kataliz Kongresi(NCC-5), Turkey, 23 - 26 April 2014
118. **Lipase catalyzed production of green products from renewable resources**
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120. **Biyoterörizm**
KUTLUK T., Gürkaya Kutluk B., KAPUCU N.
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121. **Bioterörizm**
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KUTLUK T., GÜRKAYA KUTLUK B., KAPUCU N.
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123. **Enzymatic transesterification of algae oil from *Chlorella protothecoides***
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124. **Immobilization of *Thermomyces laniginosa* and *Candida artartica* lipases onto calcinated eggshell**
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The international Conference on Environmental Science and Technology, 18 - 21 June 2013
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KUTLUK T., GÜRKAYA KUTLUK B., UYAR B., KAPUCU N.
1. Uluslararası Plastik & Kauçuk Teknolojileri Sempozyumu ve Ürün Sergisi, Ankara, Turkey, 29 - 31 May 2013
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KUTLUK T., GÜRKAYA KUTLUK B., UYAR B., KAPUCU N.
1. Uluslararası Plastik & Kauçuk Teknolojileri Sempozyumu ve Ürün Sergisi, Gazi Üniversitesi, Ankara, Turkey, 29 - 31 May 2013
129. **Oleyik Asit Polyol Esterlerin Biyokatalitik Üretimi**
GÜRKAYA KUTLUK B., KUTLUK T., UYAR B., KAPUCU N.

10. Ulusal Kimya Mühendisliği Kongresi, İstanbul, Turkey, 3 - 06 September 2012

Courses

İşyeri Mühendislik Eğitimi, Undergraduate, 2022 - 2023
İşyeri Mühendislik Uygulaması, Undergraduate, 2022 - 2023
İSG ve Süreç Güvenliği Yönetimi, Undergraduate, 2022 - 2023
Enzim Mühendisliğinin Temelleri , Undergraduate, 2022 - 2023
Bitirme Çalışması, Undergraduate, 2022 - 2023
Kaynak Araştırma ve Sunumu, Undergraduate, 2022 - 2023
İş Sağlığı ve Güvenliğine Giriş, Undergraduate, 2021 - 2022

Patent

Çoban O., Bora M. Ö., Kutluk T., Sımmazçelik T., VOLKANİK PARTİKÜL DOLGU/TAKVİYE MAMÜL HAZIRLIĞI, Patent, CHAPTER F Mechanical engineering; Lighting; Heating; Weaponry; Destroyed Materials, The Invention Recourse Number: 2016/15713 , Standard Registration, 2020

Scientific Refereeing

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Gümüşhane Üniversitesi Fen Bilimleri Dergisi, National Scientific Refreed Journal, April 2023
IRANIAN JOURNAL OF CHEMISTRY AND CHEMICAL ENGINEERING, SCI Journal, February 2023
JOURNAL OF COMPOSITE MATERIALS, National Scientific Refreed Journal, February 2023
IRANIAN JOURNAL OF CHEMISTRY AND CHEMICAL ENGINEERING, SCI Journal, July 2022
PROCESS SAFETY PROGRESS, SCI Journal, June 2022
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Kocaeli Üniversitesi Fen Bilimleri Dergisi, National Scientific Refreed Journal, November 2020

Metrics

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H-Index (Scopus): 7

Research Areas

Biotechnology, Chemical Technologies, Process and Reactor Design

Non Academic Experience

PRİSTA MADENİ YAĞLAR