

TOGAYHAN KUTLUK

RES. ASST. PHD

Email : togayhan.kutluk@kocaeli.edu.tr

Office Phone : [+90 262 303 3526](tel:+902623033526) Extension: 3526

Address : Kocaeli Üni., Mühendislik Fakültesi B Binası Kimya
Müh. Bölümü, Umuttepe Yerleşkesi 41380, İzmit / KOCAELI



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

- KUTLUK T., Project Supported by Higher Education Institutions, Besi Ortamındaki Tuzluluk Derişiminin Dunaliella Tertiolecta Türü Mikroalgin Büyümesi Ve Yağ İçeriğine Etkisi, 2019 - Continues
- 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
- 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

Published journal articles indexed by SCI, SSCI, and AHCI

- 1. Lipase catalysis: an environmentally friendly production for polyol esters (biolubricant) from microalgae oil**
KUTLUK T., Kutluk B. G.
ENVIRONMENTAL TECHNOLOGY, 2022 (Journal Indexed in SCI)
- 2. 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 (Journal Indexed in SCI)
- 3. 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 (Journal Indexed in SCI)
- 4. 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 (Journal Indexed in SCI)
- 5. Environmentally friendly processes from coffee wastes to trimethylolpropane esters to be considered biolubricants**
Unugul T., KUTLUK T., GURKAYA Kutluk B., KAPUCU N.
JOURNAL OF THE AIR & WASTE MANAGEMENT ASSOCIATION, vol.70, no.11, pp.1198-1215, 2020 (Journal Indexed in SCI)
- 6. Non-Isothermal Crystallization Kinetics of Green Microalgae Filled Poly(Lactic Acid)**
KODAL M., KUTLUK T., YARICI T., KAPUCU N., ÖZKOÇ G.
ACTA PHYSICA POLONICA A, vol.136, no.6, pp.974-982, 2019 (Journal Indexed in SCI)
- 7. 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 (Journal Indexed in SCI)
- 8. 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 (Journal Indexed in SCI)
- 9. 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 (Journal Indexed in SCI)
- 10. 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 (Journal Indexed in SCI)
- 11. 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 (Journal Indexed in SCI)
- 12. 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 (Journal Indexed in SCI)
- 13. 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 (Journal Indexed in SCI)

14. **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 (Journal Indexed in SCI)
15. **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 (Journal Indexed in SCI)

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, 2021 (Other Refereed National Journals)
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 (Other Refereed National Journals)
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 (Refereed Journals of Other Institutions)
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 (Refereed Journals of Other Institutions)
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 (Refereed Journals of Other Institutions)
6. **EFFECT OF LIGHT INTENSITY ON THE GROWTH OF CHLORELLA VARIABILIS**
UYAR B., KUTLUK T., KAPUCU N.
Deu Muhendislik Fakultesi Fen ve Muhendislik, vol.18, pp.49, 2016 (Other Refereed National Journals)
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 (Other Refereed National Journals)
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 (Other Refereed National Journals)
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 (Other Refereed National Journals)

Refereed Congress / Symposium Publications in Proceedings

1. **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
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. **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
 4. **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
 5. **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
 6. **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
 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. **Biotechnological production of glycerol carbonate from glycerin and dimethyl carbonate (DMC)**
SELDA A., KUTLUK T., KAPUCU N.
INTERNATIONAL MARMARASCIENCES CONGRESS, 1 - 03 November 2019
 9. **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
 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. **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
 12. **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
 13. **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
 14. **Besin ortamındaki tuz miktarının Dunaliella tertiolecta türü mikroalgin büyümesine ve yağ içeriğine**

etkisi

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

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

15. **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
16. **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
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. **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
19. **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
20. **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
21. **MICROALGES IN RENEWABLE ENERGY AND INDUSTRIAL APPLICATIONS**
ALTIN N., KUTLUK T., UYAR B., KAPUCU N.
INTERNATIONAL MARMARA SCIENCES CONGRESS (SPRING), 26 - 28 April 2019
22. **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
23. **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
24. **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
25. **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
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. **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

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. **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
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. **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
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 on Urban Water and Wastewater Management, Denizli, Turkey, 25 - 27 October 2018
33. **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
34. **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
35. **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
36. **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
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. **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
40. **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

41. **Effect Of Ferric Citrate Concentration On Growth And Lipid Production of Microalgae Chlorella Variabilis**
ALTIN N., KUTLUK T., UYAR B., KAPUCU N.
ITESDES,1st International Technology Sciences and Design Symposium, 28 June 2022 - 30 June 2018
42. **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
43. **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
44. **Metal Endüstrisi Atık Sularının Chlorella Türü Mikroalg İle Arıtılabilirliğinin İncelenmesi**
HASANOĞLU S., KUTLUK T., KAPUCU N.
3.Uluslararası Mühendislik Mimarlık ve Tasarım Kongresi, Kocaeli, Turkey, 4 - 05 May 2018
45. **Espresso Kahve Atıklarının Enzimatik Biyoyağlayıcı Üretiminde Değerlendirilmesi**
ÜNÜGÜL T., KUTLUK T., KAPUCU N.
3.Uluslararası Mühendislik Mimarlık ve Tasarım Kongresi, Kocaeli, Turkey, 4 - 05 May 2018
46. **Effect Of Different Nitrogen Source On Growth And Lipid Accumulation Microalgae Chlorella Variabilis**
ALTIN N., KUTLUK T., UYAR B., KAPUCU N.
7th International Molecular Biology And Biotechnology Congress, Konya, Turkey, 25 - 27 April 2018
47. **Responses In Growth And Lipid Accumulation Of Chlorella ESP-6 To Nitrogen Starvation**
KUTLUK T., KAPUCU N.
International Eurasian Conference On Biological And Chemical Sciences, Ankara, Turkey, 26 - 27 April 2018
48. **Investigation Of Different Potassium Dihydrogen Phosphate (KH₂PO₄) Quantities On Growth And Lipid Production Of Microalgae Chlorella Variabilis,**
ALTIN N., KUTLUK T., UYAR B., KAPUCU N.
International Eurasian Conference On Biological And Chemical Sciences, 26 - 27 April 2018
49. **Enzymatic Hydrolysis Of Waste Filter Coffe Ground Oils**
ÜNÜGÜL T., KUTLUK T., KAPUCU N.
7th International Molecular Biology And Biotechnology Congress, Konya, Turkey, 25 - 27 April 2018
50. **Chlorella Variabilis Türü Mikroalgin Maya Endüstrisi Atık Suyunu Arıtma Potansiyelinin ve Yağ İçeriğinin İncelenmesi**
KUTLUK T., OKTOR K., KAPUCU N.
19. Uluslararası Katılımlı Ulusal Biyoteknoloji Kongresi, Eskişehir, Turkey, 1 - 03 December 2017, pp.42
51. **Biolubricant production from waste edible oil biodiesel via immobilized Thermomyces lanuginosus lipase catalysis**
GÜRKAYA KUTLUK B., KUTLUK T., KAPUCU N.
International Advanced Researches Engineering Congress-2017, Osmaniye, Turkey, 16 - 18 November 2017
52. **Synthesis of Biofuel From Waste Filter Coffee Spents by Environmentally Friendly Processes**
KUTLUK T., ALTIN N., KAPUCU N.
International Advanced Researches Engineering Congress-2017, Osmaniye, Turkey, 16 - 18 November 2017
53. **Synthesis of Biofuel From Waste Filter Coffee Spents by Environmentally**
KUTLUK T., ALTIN N., KAPUCU N.
International Advanced Researches Engineering Congress-(IAREC), 16 - 18 November 2017
54. **Effects of green microalgae on the non-isothermal crystallization kinetics of poly(lactic acid) (PLA)**
KODAL M., KUTLUK T., ÖZKOÇ G.
V. Polymeric Composites Symposium and Workshops, İzmir, Turkey, 2 - 04 November 2017
55. **Chlorella variabilis türü mikroalgin maya endüstrisi atık suyunu arıtma potansiyelinin ve yağ içeriğinin incelenmesi**
KUTLUK T., OKTOR K., KAPUCU N.
19.Uluslararası Katılımlı Ulusal Biyoteknoloji Kongresi, 1 December - 03 November 2017

56. **The Green Chemistry Analysis Of Baker's Yeast Process Wastewater Treatment With Microalgae**
 ÇELİK D., KUTLUK T., OKTOR K.
 3rd INTERNATIONAL CONFERENCE ON ENVIRONMENTAL SCIENCE AND TECHNOLOGY(ICOEST), Budapest, Hungary, 19 - 23 October 2017
57. **Green Chemistry Analysis of Baker's Yeast Process Wastewater Treatment with Microalgae**
 ÇELİK D., KUTLUK T., OKTOR K.
 3 rd ICOEST 2017, Budapest, Hungary, 19 - 23 October 2017, pp.64-69
58. **Baker's Yeast Waste Water Treatment Using Microalgae**
 OKTOR K., KUTLUK T., NEJLA A., IŞIK Y., KAPUCU N.
 3 rd ITWCCST 2017, Baku, Azerbaijan, 10 - 13 September 2017, pp.61
59. **Investigation of different light source on growth and lipid production mechanism for various microalgae species**
 KUTLUK T., ALTIN N., UYAR B., KAPUCU N.
 4th International Conference on Computational And Experimental Science And Engineering (ICCESEN-2017), 4 - 08 September 2017
60. **Growth and lipid production of two microalgae strains in pilot scale (35 L) panel photobioreactors**
 UYAR B., MISMIL N., KUTLUK T., ÖZER UYAR G. E. , KAPUCU N.
 4th International Conference on Computational And Experimental Science And Engineering (ICCESEN-2017), 4 - 08 September 2017
61. **A study on thermal behavior of volcanic particle filled high-density polyethylene**
 ÇOBAN O., BORA M. Ö. , KUTLUK T.
 ICAIE International Conference on Advances and Innovations in Engineering, 10 - 12 May 2017, pp.848-851
62. **Scratch Deformation Characteristics of Calcium Carbonate Filled High Density Polyethylene Composites**
 BORA M. Ö. , ÇOBAN O., KUTLUK T., AKAGÜNDÜZ E.
 ICAIE International Conference on Advances and Innovations in Engineering, 10 - 12 May 2017, pp.852-855
63. **Atıksu Yönetimine Alternatif Yaklaşım: Mikroalg İle Arıtım**
 OKTOR K., KUTLUK T., KAPUCU N.
 2. Uluslararası Mühendislik Mimarlık ve Tasarım Kongresi, Kocaeli, Turkey, 12 - 13 May 2017, pp.623-624
64. **ATIKSU YÖNETİMİNE ALTERNATİF YAKLAŞIM: MİKROALG İLE ARITIM**
 OKTOR K., KUTLUK T., KAPUCU N.
 2. ULUSLARARASI MÜHENDİSLİK MİMARLIK VE TASARIM KONGRESİ, Kocaeli, Turkey, 12 - 13 May 2017, pp.623-624
65. **Atıksu Yönetimine Alternatif Yaklaşım: Mikroalg ile Arıtım**
 OKTOR K., KUTLUK T., KAPUCU N.
 2. International Congress on Engineering Architecture and Design, 12 - 13 May 2017
66. **Effect of different parameters on growth of microalgae Chlorella variabilis**
 Altın N., KUTLUK T., UYAR B., KAPUCU N.
 International Conference on Advances in Science and Arts (ICASA), 29 - 31 March 2017
67. **EFFECT OF DIFFERENT PARAMETERS ON GROWTH MICROALGAE CHLORELLA VARIABILIS**
 ALTIN N., KUTLUK T., UYAR B., KAPUCU N.
 INTERNATIONAL CONFERENCE ON ADVANCES IN SCIENCE AND ARTS ISTANBUL 2017, İstanbul, Turkey, 29 - 31 March 2017
68. **ALTERNATIVE APPROACH TO WASTE EDIBLE OIL MANAGEMENT: BIOLUBRICANT PRODUCTION VIA GREEN PROCESSES**
 GÜRKAYA KUTLUK B., KUTLUK T., KAPUCU N.
 INTERNATIONAL CONFERENCE ON ADVANCES IN SCIENCE AND ARTS ISTANBUL 2017, İstanbul, Turkey, 29 March - 31 May 2017
69. **A GENERAL OVERVIEW ON ENZYMATIC SYNTHESIS OF GLUCONIC ACID**
 PEKCAN Z., KUTLUK T., KAPUCU N.
 INTERNATIONAL CONFERENCE ON ADVANCES IN SCIENCE AND ARTS ISTANBUL 2017 29 - 31 MARCH 2017,

Istanbul, Turkey, İstanbul, Turkey, 29 - 31 March 2017

70. **Effect Of Different Parameters on Growth Microalgae Chlorella Variabilis**
ALTIN N., KUTLUK T., UYAR B., KAPUCU N.
1th Internatinal Conference on Advances In Science and Arts (ICASA), 29 - 31 March 2017
71. **Synthesis of trimethylolpropane ester from waste edible oil FFAs**
KUTLUK T., UYAR B., KAPUCU N.
10th international clean energy Symposium, 24 - 26 October 2016
72. **Effect of nitrogen restriction on synthesis of microalge oil Chlorella variabilis**
KUTLUK T., UYAR B., KAPUCU N.
10th international clean energy Symposium, 24 - 26 October 2016
73. **A STUDY ON THERMAL PROPERTIES OF VOLCANIC PARTICLE FILLED POLY LACTIC ACID POLY BUTYLENE ADIPATE COTEREPHTHALATE COMPOSITE**
KUTLUK T., ÇOBAN O., BORA M. Ö. , ÖZKOÇ G.
16th International Materials Symposium (IMSP'2016), 12 - 14 October 2016, pp.109-116
74. **THE INFLUENCE OF VOLCANIC PARTICLES ON MECHANICAL PROPERTIES OF POLY LACTIC ACID POLY BUTYLENE ADIPATE COTEREPHTHALATE BLENDS**
BORA M. Ö. , ÇOBAN O., KUTLUK T., ÖZKOÇ G.
16th International Materials Symposium (IMSP'2016), 12 - 14 October 2016, pp.1638-1645
75. **The Influence Of Volcanic Particles On Mechanical Properties Of Poly Lactic Acid Poly Butylene Adipate Coterephthalate Blends**
ÇOBAN O., BORA M. Ö. , KUTLUK T., ÖZKOÇ G.
16th International Materials Symposium, 12 - 14 October 2016
76. **A Study On Thermal Properties Of Volcanic Particle Filled Poly Lactic Acid Poly Butylene Adipate Co Terephthalate Composite**
KUTLUK T., ÇOBAN O., BORA M. Ö. , ÖZKOÇ G.
16th International Materials Symposium, 12 - 14 October 2016
77. **The influence of volcanic particles on mecchanical properties of PLA PBAT Blends**
ÇOBAN O., BORA M. Ö. , KUTLUK T., ÖZKOÇ G.
16th internatioanl materials symposium, Denizli, Turkey, 12 - 14 October 2016
78. **A study on thermal properties of volcanic particle filled PLA PBAT composites**
KUTLUK T., ÇOBAN O., BORA M. Ö. , ÖZKOÇ G.
16th International materials symposium, Denizli, Turkey, 12 - 14 October 2016
79. **A study on biocatalytic hydrolysis of waste edible oil**
KARASUNGUR N., GÜLER F., KUTLUK T., UYAR B., KAPUCU N.
1st International Black Sea Congress on Environmental Science, 31 August - 03 September 2016
80. **Biyodizel İçeriğinin Fourier Dönüşümlü Kızılötesi**
KUTLUK T., İLGEN O.
12.Ulusal Kimya Mühendisliği Kongresi, Turkey, 23 - 26 August 2016
81. **Atık yagdan lipaz katalizli yağ asitleri sentezi**
KARASUNGUR N., GÜLER F., KUTLUK T., UYAR B., KAPUCU N.
12.Ulusal Kimya Mühendisliği Kongresi, Turkey, 23 - 26 August 2016
82. **Hydrolysis of microalgae oil Chlorella protothecoides via biocatalysis**
KUTLUK T., KAPUCU N.
1st International Catalysis Congress, Bursa, Turkey, 27 - 30 April 2016
83. **Hydrolysis of microalge oil Chlorella Prothocoides via biocatalysis**
KUTLUK T., KAPUCU N.
The 6th Catalysis Conference (NCC6), 27 - 30 April 2016
84. **Organic solvent and temperature tollerance of lipase for FAME synthesis**
KUTLUK T., KAPUCU N.
International Black Sea Congress on Environmental Science, 31 August - 03 January 2016
85. **Organik çözücülerin mikroalg yağından lipaz katalizli transesterleşme reaksiyonuna etkilerinin**

icelenmesi

AYDIN G., KUTLUK T., KAPUCU N.

18. Ulusal Biyoteknoloji Kongresi, Turkey, 18 - 19 December 2015

86. **Chlorella protothecoides mikroalg yağı enzimatik hidrolizi**

KUTLUK T., KAPUCU N.

18. Ulusal Biyoteknoloji Kongresi, Turkey, 18 - 19 December 2015

87. **Organik çözücülerin mikroalg yağından lipaz katalizli transesterleşme reaksiyonuna etkilerinin incelenmesi**

AYDIN G., KUTLUK T., KAPUCU N.

18. Ulusal Biyoteknoloji Kongresi, Turkey, 18 - 19 December 2015

88. **Effect of NaCl and KCl on the growth morphology and lactic acid production of Rhizopus oryzae**

UYAR B., KUTLUK T., DEMİR t., KAPUCU N.

VII Int. Bioengineering Congress (BEC2015), 19 - 21 November 2015

89. **Effect of light intensity on the growth of Chlorella variabilis**

UYAR B., KUTLUK T., TUĞÇE D., KAPUCU N.

7th Bioengineering Congress, 19 - 21 November 2015

90. **Which catalyst is better for biodiesel production process from waste edible oil enzyme or chemical a crosscheck**

KUTLUK T., KAPUCU N.

1st International Conference on Green Chemistry and Sustainable Technologies, 30 September - 04 October 2015

91. **High conversion of biodiesel from microalgae oil by cross linked lipase aggregates**

KUTLUK T., KAPUCU N.

1st International Conference on Green Chemistry and Sustainable Technologies, 30 September - 04 October 2015

92. **BİYODİZEL NE KADAR YEŞİL**

ERCAN KALKAN M., KUTLUK T., KAPUCU N., DENİZ V.

YABİTED 2. BİTKİSEL YAĞ KONGRESİ, Tekirdağ, Turkey, 7 - 09 May 2015

93. **Bitmek bilmeyen tartışma Atık kızarma yağları ve Biyodizel**

KUTLUK T., KAPUCU N.

Yabited 2. Bitkisel Yağ Kongresi, Turkey, 7 - 09 May 2015

94. **Biyodizel Ne kadar Yeşil**

ERCAN KALKAN M., KUTLUK T., KAPUCU N., VELİ D.

Yabited 2. Bitkisel Yağ Kongresi, Turkey, 7 - 09 May 2015

95. **Silane Coupling Efficiency on Thermal Properties of Volcanic Ash Filled PPS Composites**

KUTLUK T., ÇOBAN O., BORA M. Ö. , FİDAN S., SINMAZÇELİK T.

5. International Advances in Applied Physics and Materials Science Congress&Exhibition (APMAS2015), Fethiye, Turkey, 16 - 19 April 2015, pp.108

96. **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.

5. International Advances in Applied Physics and Materials Science Congress&Exhibition (APMAS2015), Fethiye, Turkey, 16 - 19 April 2015, pp.106

97. **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.

5. International Advances in Applied Physics and Materials Science Congress&Exhibition (APMAS2015), Fethiye, Turkey, 16 - 19 April 2015, pp.105

98. **Surface modification Effect of Volcanic Ash Particles Using Silane Coupling Agent on Mechanical Properties of Polyphenylenesulphide composites**

BORA M. Ö. , ÇOBAN O., FİDAN S., KUTLUK T., SINMAZÇELİK T.

5 th International Advances in Applied and Materials Science Congress & Exhibition (APMAS 2015), 16 - 19 April 2015

99. **Silan coupling agent effect on solid particle erosion behavior of volcanic ash filled PPS composites**
FİDAN S., ÇOBAN O., BORA M. Ö. , KUTLUK T., SINMAZÇELİK T.
5 th International advances in Applied Physics and Materials Science Congress & Exhibition (APMAS2015), 16 - 19 April 2015
100. **Silane Coupling Agent Effect on Solid Particle Erosion Behavior of VolcanicAsh Filled PPS Composites**
SİNAN F., ÇOBAN O., BORA M. Ö. , KUTLUK T., SINMAZÇELİK T.
5th International Advances in Applied Physics and Materials Science Congress & Exhibition (APMAS2015), 16 - 19 April 2014
101. **Chlorella protothecoides Alg Yağından Biyodizel Üretimi İçin Çapraz Bağlanmış Thermomyces Lanuginosus Lipazı Kullanımı**
AŞICI M. N. , KÜBRA B., KUTLUK T., KAPUCU N.
Uluslar arası Enerji ve Güvenlik Kongresi, Turkey, 23 - 24 September 2014
102. **Alg yağından yağ asidi metil esterlerinin YAME biyokatalitik üretimi**
BORAN K., AŞICI M. N. , KUTLUK T., KAPUCU N.
Uluslar arası Enerji ve Güvenlik Kongresi, Turkey, 23 - 24 September 2014
103. **Thermomyces lanuginosus lipazının çapraz bağlanmasında tutuklama pH'ının etkisi**
KUTLUK T., AYDIN G., KAPUCU N.
11. Ulusal Kimya Mühendisliği Kongresi, Turkey, 2 - 05 September 2014
104. **Thermomyces lanuginosus lipazının çapraz bağlanmasında tutuklama pH ının etkisi**
GÜLŞAH A., KUTLUK T., KAPUCU N.
11. Ulusal Kimya Mühendisliği Kongresi, Turkey, 2 - 05 September 2014
105. **Biyodizel İçeriğinin Kırılma İndisi ile Belirlenmesi**
KUTLUK T., İLGEN O.
11. Ulusal Kimya Mühendisliği Kongresi, Turkey, 2 - 05 September 2014
106. **Tutuklanmış Lipazlarla Mikroalg Yağından Biyodizel Üretimi**
AYDIN G., KUTLUK T., KAPUCU N.
11. Ulusal Kimya Mühendisliği Kongresi, Turkey, 2 - 05 September 2014
107. **Lipaz katalizörlü biyodizel üretimi için farklı nesil yağların karşılaştırılması**
KUTLUK T., BAHAR G. K. , KAPUCU N.
11. Ulusal Kimya Mühendisliği Kongresi, Turkey, 2 - 05 September 2014
108. **Glutaraldehit ile Lipazların Çapraz Bağlanmasına pH Etkisi**
BORAN K., AŞICI M., KUTLUK T., KAPUCU N.
Bitirme Tezi Kimya Öğrenci Kongresi (BİTOK), Turkey, 20 - 22 August 2014
109. **Effects of different solvent types on the production of fatty acid methyl esters from waste edible oil via enzymatic process**
KUTLUK T., GÜRKAYA KUTLUK B., KAPUCU N.
7th International Ege Energy Symposium and Exhibition, 18 - 20 June 2014
110. **Production of biolubricants from oleic acid via enzymatic process**
GÜRKAYA KUTLUK B., KUTLUK T., KAPUCU N.
7th International Ege Energy Symposium and Exhibition, 18 - 20 June 2014
111. **Examination of alcohol inhibition effect on biocatalyst for biodiesel production from microalgae oil**
KUTLUK T., GÜRKAYA KUTLUK B., KAPUCU N.
International "Enzymes for Biocatalysis" Workshop", 3 - 05 June 2014
112. **Examination of methanol inhibition effect on biodiesel production via enzymatic processes from waste comestible oil**
KUTLUK T., GÜRKAYA KUTLUK B., KAPUCU N.
International "Enzymes for Biocatalysis" Workshop", 3 - 05 June 2014
113. **Investigation of different support materials for lipase immobilization**
KUTLUK T., GÜRKAYA KUTLUK B., KAPUCU N.
International "Enzymes for Biocatalysis" Workshop, 3 - 05 June 2014

114. **Effects of Catalyst Loading and Reuseability on Transesterfication of Waste Sunflower Oil Using Immobilized Lipase Thermomyces Laniginosus**
KUTLUK T., Gürkaya Kutluk B., KAPUCU N.
2nd International Conference on Environmental Science and Technology (ICOEST), 14 - 17 May 2014
115. **Effects of catalyst loading and reusability on transesterfication of waste sunflower oil using immobilized lipase Thermomyces Lanuginosa**
KUTLUK T., GÜRKAYA KUTLUK B., KAPUCU N.
2nd international Conference on Environmental Science and Technology, Antalya, Turkey, 14 - 17 May 2014
116. **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.
2nd international Conference on Environmental Science and Technology, 14 May 2014 - 17 May 2013
117. **Lipase catalyzed production of green products from renewable resources**
KUTLUK T., GÜRKAYA KUTLUK B., KAPUCU N.
5. Ulusal Kataliz Kongresi(NCC-5), Turkey, 23 - 26 April 2014
118. **Investigation of perlite as a support material for enzyme immobilization**
AYDIN G., KUTLUK T., KAPUCU N.
5. Ulusal Kataliz Kongresi(NCC-5), Turkey, 23 - 26 April 2014
119. **Biodiesel Production by Immobilized Lipase From Vegetable Waste Oil**
KUTLUK T., GÜRKAYA KUTLUK B., UYAR B., KAPUCU N.
19th International Energy Environment Fair and Conference, 24 - 26 April 2013
120. **Biyoterörizm**
KUTLUK T., Gürkaya Kutluk B., KAPUCU N.
National Safety Congress, Turkey, 8 - 10 October 2013
121. **Bioterörizm**
KUTLUK T., GÜRKAYA KUTLUK B., KAPUCU N.
Ulusal Güvenlik Kongresi, Kocaeli, Turkey, 8 - 10 October 2013
122. **Enzim Biyoreseptörler**
KUTLUK T., GÜRKAYA KUTLUK B., KAPUCU N.
Biyo&Nano Teknoloji Kongresi, Turkey, 1 - 03 October 2013
123. **Enzymatic transesterfication of algae oil from Chlorella protothecoides**
KUTLUK T., GÜRKAYA KUTLUK B., KAPUCU N.
Advanced Materials World Congress, 16 - 19 September 2013
124. **Immobilization of Thermomyces laniginosa and Candida artartica lipases onto calcinated eggshell**
KUTLUK T., GÜRKAYA KUTLUK B., KAPUCU N.
Advanced Materials World Congress, 16 - 19 September 2013
125. **Lipase Catalyzed Production of Trimethylolpropane Esters**
KUTLUK T., GÜRKAYA KUTLUK B., UYAR B., KAPUCU N.
The international Conference on Environmental Science and Technology, 18 - 21 June 2013
126. **Enzymatic production of biodiesel from waste cooking oil**
KUTLUK T., GÜRKAYA KUTLUK B., UYAR B., KAPUCU N.
The international Conference on Environmental Science and Technology, 18 - 21 June 2013
127. **Doğal Polimer Kitosana Lipaz Tutuklama**
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
128. **Çevre Dostu Polimerlerin Enzimatik Sentezi**
KUTLUK T., GÜRKAYA KUTLUK B., UYAR B., KAPUCU N.
1. Uluslararası Plastik & Kauçuk Teknolojileri Sempozyumu ve Ürün Sergisi, 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

Citations

Total Citations (WOS):49

h-index (WOS):4

Research Areas

Biotechnology, Chemical Technologies, Process and Reactor Design