DOÇ. DR. FATMA TUĞÇE (ŞENBERBER) DUMANLI

ÖZGEÇMİŞ VE ESERLER LİSTESİ

ÖZGEÇMİŞ

1. Adı Soyadı **:** FATMA TUĞÇE (ŞENBERBER) DUMANLI

İletişim Bilgileri

Adres **:** Yenimahalle, 1535. Sokak, Venara sitesi, 4. Blok Daire 9, Bağcılar-İSTANBUL

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2. Doğum Tarihi **:** 10/03/1988

3. Unvanı: DOÇENT DOKTOR

4. Öğrenim Durumu:

Derece	Alan	Üniversite	Yıl
Lisans	Kimya Mühendisliği ABD	YTU, Kimya Metalurji Fakültesi	2006-2010
Y. Lisans	Kimya Mühendisliği ABD	YTU, Fen Bilimleri Enstitüsü	2010-2012
Doktora	Kimya Mühendisliği ABD	YTU, Fen Bilimleri Enstitüsü	2012-2016

Yüksek Lisans Tez Başlığı ve Tez Danışmanı:

"Magnezyum Oksit ve Borik Asit Kaynaklarından Magnezyum Boratların Üretimi, Karakterizasyonu ve Üretimi Etkileyen Faktörlerin İncelenmesi"

YTÜ Fen Bilimleri Enstitüsü, Kimya Mühendisliği Anabilim Dalı, 2012.

Tez Danışmanı: Yrd.Doç. Dr. Emek Möröydor Derun

Doktora Tez Başlığı ve Tez Danışmanı:

"Elektrik İletkenliğe Sahip Yeni Nesil Boyanın Isıl İletkenlik Özelliklerinin Belirlenmesi"

YTÜ Fen Bilimleri Enstitüsü, Kimya Mühendisliği Anabilim Dalı, 2016.

Tez Danışmanı: Prof. Dr. Sabriye Pişkin

5. Akademik Unvanlar

Akademik Görev

Görev Ünvanı	Görev Yeri	Yıl
Doç. Dr.	Yıldız Teknik Üniversitesi, Kimya Metalurji Fakültesi, Biyomühendislik Bölümü	2025-…
Doç. Dr.	İstanbul Nişantaşı Üniversitesi, Mühendislik ve Mimarlık Fakültesi, İnşaat Mühendisliği Bölümü	2021-2025
Dr.Öğr.Üyesi	Nişantaşı Üniversitesi, Mühendislik ve Mimarlık Fakültesi, İnşaat Mühendisliği Bölümü	2018-2021
Öğr. Gör. Dr.	Ataşehir Adıgüzel Meslek Yüksekokulu, İş Sağlığı ve Güvenliği Programı	2016-2018

6. Yayınlar

6.1. Uluslararası hakemli dergilerde yayımlanan makaleler:

6.1.1. SCI/SCI-exp

1. Gul E.M., Senberber Dumanli, F.T., Kipcak, A. S., Moroydor Derun, E. (2025) Surfactant-assisted Synthesis of Anhydrous Magnesium Borates for Congo Red Photodegradation, Ceramics International, DOI: 10.1016/j.ceramint.2025.01.185
2. Senberber Dumanli, F. T., Rona, E. B, Yildirim Ozen, M., Moroydor Derun, E. (2025) Utilization of Borax Production Waste in Zinc (Zn^{+2}) Adsorption from Industrial Wastewater, Toxicological & Environmental Chemistry, DOI: 10.1080/02772248.2024.2441833
3. Gul E.M., Senberber Dumanli, F.T., Moroydor Derun, E. (2025) Preparation of cobalt aluminates by ultrasonic-assisted synthesis with surfactants for Congo Red photocatalytic degradation, International Journal of Materials Research, DOI: 10.1515/ijmr-2024-0084
4. Senberber Dumanli, F. T., Kavci Karaagac, S., Kipcak, A. S., Moroydor Derun, E. (2024) The ultrasonic-assisted synthesis of copper borates by using different boron sources, Glass Physics and Chemistry, vol 50, no. 2, 146-151. DOI: 10.1134/S1087659623600618
5. Senberber Dumanli, F. T., Moroydor Derun, E. (2024) Thermodynamics and non-isothermal kinetic modelling of $CoAl_2O_4$ conversion from cobalt-aluminium complexes, Physica B: Condensed Matter, vol. 690, article no. 416220. DOI: 10.1016/j.physb.2024.416220
6. Senberber Dumanli, F.T., Gul, E.M., Ozturk, Z., Gurel, S., Moroydor Derun E. (2024) Effects of capping agents on the Congo Red adsorption of ultrasonic-assisted synthesized cobalt aluminates, Water, Air & Soil Pollution, vol. 235, no.83. DOI: 10.1007/s11270-024-06885-0
7. Aydin Yuksel, S., Gul, E. M., Senberber Dumanli, F.T., Moroydor Derun, E. (2024) Ultrasonic-assisted Co-Precipitation Synthesis of $CoAl_2O_4$ with Different Capping Agents: Determination of Electrical and Optical Features, Materials Chemistry and Physics, vol. 313, 128706. DOI: 10.1016/j.matchemphys.2023.128706
8. Senberber Dumanli, F.T., Kavci Karaagac S., Kipcak, A.S., Moroydor Derun, E. (2023) Effect of different boron sources on the copper borates in solid-state synthesis, Zeitschrift fur

Kristallographie - Crystalline Materials, vol. 238, no. 9-10, pp. 343-348. DOI: 10.1515/zkri-2023-0023

9. Senberber Dumanli, F.T., Gul E.M., Moroydor Derun, E. (2023) Synthesis of cobalt aluminates by using the peel extracts of Citrus family species, Main Group Chemistry, vol. 22, no. 2, pp. 177-185. DOI: 10.3233/MGC-220099
10. Argun, S., Senberber Dumanli, F.T., Kipcak, A.S., Tugrul, N., Moroydor Derun, E. (2023) Co-Precipitation Synthesis of Lanthanum Borates with Different Morphologies, Glass Physics and Chemistry, vol. 49, no.1, pp. 92-97. DOI: 10.1134/s108765962260020x
11. Senberber Dumanli, F.T., Kipcak, A.S., Moroydor Derun, E. (2023). Characterization, thermal dehydration kinetic and thermodynamic study of synthesized cesium borate ($CsB_5O_8 \cdot 4H_2O$), Inorganic and Nano-Metal Chemistry, vol. 53, no. 3, pp. 277-282. DOI: 10.1080/24701556.2022.2034857
12. Senberber Dumanli, F.T., Moroydor Derun, E. (2022). Hydrothermal Synthesis of $CoAl_2O_4$ Spinel: Effect of Reaction Conditions on the Characteristic and Morphological Features, International Journal of Materials Research, vol. 113, no. 12, pp. 1062-1070 DOI: 10.1515/ijmr-2021-8736
13. Senberber Dumanli, F.T., Moroydor Derun, E. (2022). A Comparative Study of Ultrasonic-assisted Synthesis Methods of Spinel ($CoAl_2O_4$) Nanoparticles, Ceramics International, volume 48, no. 13, pp. 19047-19055. DOI: 10.1016/j.ceramint.2022.03.193
14. Senberber Dumanli, F.T., Kipcak, A.S., Moroydor Derun, E. (2022). Microwave Dehydration of Borax: Characterization, Dehydration Kinetics and Modelling, Glass Physics and Chemistry, volume 48, no. 3, pp. 199 – 207. DOI: 10.1134/S1087659622030087
15. Senberber Dumanli, F.T., Yildirim Ozen, M., Asensio, M.O., Aydin Yuksel, S., Kipcak, A.S., Moroydor Derun, E. (2021). Characteristic, Electrical and Optical Properties of Potassium Borate ($KB_5O_8 \cdot 4H_2O$) Hydrothermally Synthesised from Different Boron Sources, Research on Chemical Intermediates, volume 47, pp. 5353-5368. DOI: 10.1007/s11164-021-04560-1
16. Senberber, F.T., Kipcak, A.S., Vardar, D.S., Tugrul, N. (2020). Ultrasonic-Assisted Synthesis of Zinc Borates: Effect of Boron Sources, Journal of Chemical Society of Pakistan, Volume 42, Issue 6, pp. 839 – 845.
17. Senberber, F.T., Dere Ozdemir, O. (2020). Effect of Synthesis Parameters on the Color Performance of Blue $CoAl_2O_4$ Ceramic Pigment, Russian Journal of Inorganic Chemistry, Volume 65, Issue 14, pp. 2020-2027. DOI: 10.1134/S0036023620140065
18. Senberber, F.T., Moroydor Derun, E., Kipcak, A.S. (2020). Effects of microwaves on the dehydration characteristics of santite, Research on Chemical Intermediates, Volume 46, pp. 4129–4139. DOI: https://doi.org/10.1007/s11164-020-04196-7
19. Senberber, F.T., Moroydor Derun, E. (2020). Alkalinity Effect On Magnesium Phosphate Hydrate Synthesis, Russian Journal of Inorganic Chemistry, Volume 65, Issue 9, pp. 1326–1332. DOI: 10.1134/S0036023620090156
20. Tugrul, N., Firat, E., Kipcak, A.S., Yildirim, M., Senberber, F.T., Moroydor Derun, E. (2020). Thermal dehydration kinetics of non-crystalline manganese borate, Indian Journal of Chemistry -Section A, Volume 59, Issue 3, pp. 346-350. Article ID: IJCA-2492

21. Senberber, F.T., Moroydor Derun, E. (2020). Thermal Kinetics and Thermodynamics of The Dehydration Reaction of Inyoite ($Ca_2B_6O_6(OH)_{10}\cdot 8H_2O$), Glass Physics and Chemistry, Volume 46, Issue 1, pp. 67-71. DOI: 10.1134/S1087659620010162

22. Kipcak, A.S., Senberber, F.T., Moroydor Derun, E., Piskin, S. (2018). Reuse of Magnesium Wastes as a Raw Material in Hydrothermal Synthesis of a Magnesium Borate Mineral: Admontite, Environmental Engineering and Management Journal, Volume 17, Issue 3, pp. 537-544.

23. Senberber, F.T., Yildirim, M., Karamahmut Mermer, N. ve Moroydor Derun, E. (2017) Adsorption of Cr(III) from Aqueous Solution Using Borax Sludge, Acta Chimica Slovenica, Volume 64, pp. 654-660. DOI: 10.17344/acsi.2017.3534

24. Sari, S., Senberber, F.T., Yildirim, M., Kipcak, A.S., Aydin Yuksel, S. ve Moroydor Derun, E. (2017) Lanthanum Borate Synthesis via the Solid-State Method from a La_2O_3 Precursor: Electrical and Optical Properties, Materials Chemistry and Physics, Volume 200, Issue 1, pp. 196-203. DOI: 10.1016/j.matchemphys.2017.07.056

25. Senberber, F. T. (2017). Thermal Dehydration Kinetics and Characterization of Pandermite. Main Group Chemistry. Volume 16, Issue 2, pp. 151–161. DOI: 10.3233/MGC-170233

26. Vardar, D., Senberber, F.T., Kipcak, A.S., Tugrul N. (2017). A Green Sonochemical Synthesis of Zinc Borates from $Zn_5(CO_3)_2\cdot(OH)_6$. Main Group Chemistry. Volume 16, Issue 2, pp. 163–173. DOI: 10.3233/MGC-170234

27. Şenberber, F.T., Yıldırım, M., Özdoğan, İ.N., Kıpçak, A.S., Derun, E. (2017). Dehydration Behavior and Kinetics of Kurnakovite Under Microwave Irradiation. Turkish Journal of Chemistry. Volume 41, pp. 399 – 409. DOI: 10.3906/kim-1608-33

28. Kipcak, A.S., Acarali, N., Senberber, F.T., Yildirim, M., Turkmen, S., Aydin Yuksel, E., Piskin, M.B., Moroydor Derun, E. ve Tugrul, N., Synthesis of Dehydrated Zinc Borates using the Solid-State Method and Characterization and Investigation of the Physical Properties, Main Group Chemistry, Volume 15, Issue 4, pp. 301-313, (2016 November). DOI: 10.3233/MGC-160210

29. Kipcak, A.S., Senberber, F.T., Yildirim, M., Yuksel, S.A., Moroydor Derun, E. ve Tugrul, N., Characterization and Physical Properties of Hydrated Zinc Borates Synthesized from Sodium Borates, Main Group Metal Chemistry, Volume 39, Issue 1-2, pp 59-66, (2016 April). DOI: 10.1515/mgmc-2016-0002

30. Asensio, M.O., Yildirim, M., Senberber, F.T., Kipcak, A.S. ve Moroydor Derun, E., Thermal Dehydration Kinetics and Characterization of Synthesized Potassium Borates, Research on Chemical Intermediates, Volume 42, Issue 5, pp 4859-4878, (2016).

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31. Kipcak, A.S., Senberber, F.T., Moroydor Derun, E., Tugrul N. ve Piskin, S., Characterization and Thermal Dehydration Kinetics of Zinc Borates Synthesized from Zinc Sulfate and Zinc Chloride, Research on Chemical Intermediates, Volume 41, Issue 11, pp 9129-9143, (2015). DOI: 10.1007/s11164-015-1952-2

32. Kipcak, A.S., Senberber, F.T., Yuksel Aydın, S., Moroydor Derun, E., ve Piskin, S., Synthesis, Characterisation, Electrical and Optical Properties of Copper Borate Compounds, Materials Research Bulletin, Volume 70, pp 442–448, (2015). DOI: 10.1016/j.materresbull.2015.05.003
33. Kaplan, A., Kipcak, A.S., Senberber, F.T., Moroydor Derun, E., ve Piskin, S. A Low-Temperature, Environment-Friendly Approach To The Synthesis Of Magnesium Borates Using Magnesium Waste Scraps, Main Group Metal Chemistry, Volume 38, Issue 3-4, pp 99–110, (2015). DOI: 10.1515/mgmc-2015-0004
34. Moroydor Derun, E. ve Senberber F.T. Characterization and Thermal Dehydration Kinetics of Highly Crystalline Mcallisterite, Synthesized at Low Temperatures, The Scientific World Journal, vol. 2014, pp. 1-10, (2014). DOI: 10.1155/2014/985185
35. Kipcak, A.S., Derun, E.M., Senberber, F.T., Ozdemir, O.D., Baysoy, D.Y., ve Piskin, S., Neutron Permeation Properties and Characterization of Synthesized Non-Hydrated Magnesium Borate Minerals, Asian Journal of Chemistry; Volume 26, Issue 18, pp. 6033-6038, (2014). DOI: 10.14233/ajchem.2014.16504
36. Moroydor Derun, E., Kipcak, A.S., Senberber F.T. ve Sari Yilmaz, M., Characterization and Thermal Dehydration Kinetics of Admontite Mineral Hydrothermally Synthesized from Magnesium Oxide and Boric Acid Precursor, Research on Chemical Intermediates, Volume 41, Issue 2, pp 853-866, (2013). DOI: 10.1007/s11164-013-1237-6

6.1.2. **Diğer Indeks**

1. Senberber Dumanli, F.T., Kavci, S., Kipcak, A, S., Moroydor Derun, E. (2024). Sonochemical Synthesis of Copper borates: Effect of Reaction Conditions on the Characteristics, Journal of the Turkish Chemical Society Section A: Chemistry, 11(2), 461-466. DOI: https://doi.org/10.18596/jotcsa.1342058
2. Aydogan, T., Senberber Dumanli, F. T., Derun, E. M. (2022). Effect of Lemon Peel Extract Concentration on Nano Scale Fe/Fe_3O_4 Synthesis, Politeknik Dergisi, 25(4), 1423-1427. DOI: 10.2339/politeknik.938200
3. Senberber, F.T., Derun, E.M. (2019). Thermal kinetics and thermodynamics of the dehydration reaction of $Mg_3(PO_4)_2 \cdot 22H_2O$. Eurasian Journal of Biological and Chemical Sciences, 2(2), 47-51.
4. Coban, S., Ozkarasu, B., Senberber, F. T., Kipcak, A.S., Doymaz, I., Derun, E. M. (2018). Microwave dehydration modelling of Tincalconite. Journal of Thermal Engineering, 4(2), 1803-1812. DOI: 10.18186/journal-of-thermal-engineering.382399
5. Vardar, D. S., Kipcak, A. S., Senberber, F. T., Derun, E. M., Tugrul, N., & Piskin, S. (2015). Zinc Borate Synthesis Using Hydrozincite and Boric Acid with Ultrasonic Method. International Journal of Chemical, Molecular, Nuclear, Materials and Metallurgical Engineering, 9(8), 1287-1290.
6. Yildirim, M., Kipcak, A. S., Senberber, F. T., Asensio, M. O., Derun, E. M., & Piskin, S. (2015). The Determination of the Potassium Nitrate, Sodium Hydroxide and Boric Acid Molar Ratio in the Synthesis of Potassium Borates via Hydrothermal Method. International Journal of Chemical, Nuclear, Materials and Metallurgical Engineering, 9(5), 544-547.

7. Tugrul, N., Senberber, F.T., Kipcak, A.S., Moroydor Derun, E. ve Piskin, S., Synthesis of Magnesium Borates from the Slurries of Magnesium Wastes by Microwave Energy, International Journal of Chemical, Nuclear, Metallurgical and Materials Engineering, Volume 8, Issue 7, (2014).
8. Moroydor Derun E., Tugrul N., Senberber F. T., Kipcak A. S. ve Piskin S., The Optimization of Copper Sulfate and Tincalconite Molar Ratios on the Hydrothermal Synthesis of Copper Borates, International Journal of Chemical, Nuclear, Metallurgical and Materials Engineering, Volume 8, Issue 10, (2014).
9. Tugrul N., Sariburun E., Senberber F. T., Kipcak A. S., Moroydor Derun E. ve Piskin S., The Effect of Solution Density on the Synthesis of Magnesium Borate from Boron-Gypsum, International Journal of Chemical, Nuclear, Metallurgical and Materials Engineering, Volume 8, Issue 10, (2014).
10. Moroydor Derun E., Senberber F. T., Kipcak A. Tugrul N. ve Piskin, S. Microwave Dehydration Behavior of Admontite Mineral at 360W, International Journal of Chemical, Nuclear, Materials and Metallurgical Engineering, Volume 7, Issue 7, (2013).
11. Piskin, S., Gurel, S.E., Senberber, F.T., Kipcak, A.S., Moroydor Derun, E. ve Tugrul, N., Effects of Mole Ratio to Chlorine Added Magnesium Borate Synthesis at 1000°C Using the Raw Materials of Magnesium Chloride, Magnesium Oxide and Boric Acid, Journal of International Scientific Publications: Materials, Methods & Technologies, Volume 7, Issue 2, pp. 362-372, (2013)
12. Kipcak A.S., Senberber F.T., Moroydor Derun E. ve Piskin S., Solid State Synthesis of Magnesium Borates at 800°C from Periclase and Sassolite, International Review of Chemical Engineering (IRECHE), Volume 3, Issue 6, pp. 750-754, (2011)
13. Kipcak A.S., Senberber F.T., Moroydor Derun E. ve Piskin S., Hydrothermal Synthesis of Magnesium Borate Hydrates from MgO and H_3BO_3 at 80^{o}C, 2011 Research Bulletin of the Australian Institute of High Energetic Materials, ISBN: 978-0-9806811-9-2, Volume 1, pp. 47-55, (2011)

6.2. Uluslararası bilimsel toplantılarda sunulan ve bildiri kitabında (*Proceedings*) basılan bildiriler

6.2.1. Tam metin

1. Sencar, E., Gunes, I., Gul, E. M., Senberber Dumanli, F. T., Moroydor Derun, E., Evaluation Of Ph Effect On The Production Of Spinels Synthesis From Clays, 7th International Congress On Engineering Sciences And Multidisciplinary Approaches, 25-26 May 2024, Istanbul, Turkey, 141-147.
2. Ak B., Gul, E.M., Senberber Dumanli, F.T., Kipcak, A.S., Moroydor Derun, E., Evaluation of Hydrothermal Production of Magnesium Borate Samples in the Treatment of Industrial Dyes from Wastewater, 6th International Eurasian Conference on Biological and Chemical Sciences (EurasianBioChem 2023), 11-13 October 2023, Ankara, Turkey, 1145-1150.

3. Senberber Dumanli, F.T., Gul, E.M., Moroydor Derun, E., Sonochemical synthesis of cobalt aluminates: Effect of CTAB as a capping agent, 5th International Eurasian Conference on Biological and Chemical Sciences (EurasianBioChem 2022), 23-25 November 2022, Ankara, Turkey, 624-628.
4. Tokat, P., Irmak, E., Senberber Dumanli, F.T., Moroydor Derun, E., Determination of Antioxidant Activities of Sumac (Rhus coriaria) Extracts with Different Solvents, International Eurasian Conference on Biotechnology and Biochemistry (BioTechBioChem 2020), 16-18 December, Ankara, Turkey, 725-729.
5. Senberber, F. T., The role of the capping agents on the inorganic nano-pigment synthesis, 3rd International Eurasian Conference on Biological and Chemical Sciences (EurasianBioChem 2020), 19-20 March 2020, Ankara, Turkey, 240-245.
6. Argun, S., Senberber, F. T., Kipcak, A. S., Derun E. M., Tugrul, N. Effect of Stoichiometric Ratio on Hydrothermal Synthesis of Lanthanum Borates, Fifth International Conference on Advances in Mechanical Engineering– ICAME 2019, 17-19 December 2019, Istanbul, Turkey, pp. 1158-1162.
7. Senberber, F.T. Effects of Ultrasonic-Treatment Temperature on $CoAl_2O_4$ Colour Performance, 5th International Turkic World Conference on Chemical Sciences and Technologies – ITWCCST 2019, 25-29 October 2019, Sakarya, Turkey, pp. 23-25.
8. Senberber, F.T., Derun, E.M. Evaluation of Mg Wastes in Hydrothermal Synthesis of Magnesium Phosphate. International Eurasian Conference on Biological and Chemical Sciences – EurasianBioChem'18, 27-28 April 2018, Ankara, Turkey, pp. 106-111.
9. Derun, E.M., Yildirim, M., Mermer, N.K., Senberber, F.T. Comparison of Different Treatment Methods for Cr (III) Adsorption onto Borax Sludge. International Eurasian Conference on Biological and Chemical Sciences – EurasianBioChem'18, 27-28 April 2018, Ankara, Turkey, pp. 100-105.
10. Senberber, F. T., Yildirim, M., Mermer N.K., Derun, E. M. Dissolution Behavior Of Tincal In Acetic Acid Solutions. 1st International Academic Research Congress – INES2016, 3-5 November 2016, Antalya, Turkey, pp 826-831.
11. Sari, S., Kipcak, A.S., Senberber, F. T., Yildirim, M., Derun, E.M., Solid-State Synthesis of Lanthanum Borates at A Reaction Temperature of 800°C, International Conference on Material Science and Technology in Cappadocia (IMSTEC'16), April 6-8, 2016, Nevsehir, Turkey.
12. Senberber, F. T., Yildirim, M., Kipcak, A. S., Piskin, M. B., Derun, E. M. Low temperature solid-state synthesis of copper borates. Conference on Advances in Mechanical Engineering Istanbul 2016 – ICAME2016, 11-13 May 2016, Yildiz Technical University, Istanbul, Turkey, pp 493-496.
13. Balkan, G., Senberber, F. T., Piskin, M. B., Derun, E. M. Characterization study of centaurium erythraea using by UV-VIS and ICP-OES. Conference on Advances in Mechanical Engineering Istanbul 2016 – ICAME2016 11-13 May 2016, Yildiz Technical University, Istanbul, Turkey, pp 502-505.
14. Ila, S., Yildirim, M., Senberber, F. T., Kipcak, A. S., Derun, E. M., Piskin, S. Ultrasonic synthesis of potassium borates from potassium carbonate at 90°C. Conference on Advances in

Mechanical Engineering Istanbul 2016 – ICAME2016 11-13 May 2016, Yildiz Technical University, Istanbul, Turkey, pp 533-536.

15. Kavci, S., Senberber, F.T., Kipcak, A.S., Moroydor Derun, E. ve Piskin, S., Ultrasonic Synthesis of Copper Borates at 70^{o}C, CHEMTECH'14: Chemical Engineering and Chemical Technologies Conference, 23-25 October 2014, Istanbul, Turkey, pp. 105-110, (2014)
16. Kipcak, A.S., Senberber, F.T., Moroydor Derun, E., Tugrul, N. ve Piskin, S., Determination of the Zinc Sulfate, Tincalconite and Boric Acid Molar Ratio in the Production of Zinc Borates, CHEMTECH'14: Chemical Engineering and Chemical Technologies Conference, 23-25 October 2014, Istanbul, Turkey, pp. 131-138, (2014)
17. Senberber, F.T. ve Piskin, S., Characterization Study of Sepiolite and Borogypsum Minerals for the synthesis of new generation materials, CHEMTECH'14: Chemical Engineering and Chemical Technologies Conference, 23-25 October 2014, Istanbul, Turkey, pp. 303-309, (2014)
18. Kipcak, A.S., Senberber, F.T., Moroydor Derun, E. ve Piskin, S., Reusing the magnesium waste scraps and boric acid for the Magnesium Borate Synthetic Synthesis with 80^{o}C, ICOEST2013: The international Conference on Environmental Science and Technology, 18 - 21 June 2013, Urgup, Nevsehir, (2013)
19. Senberber, F.T., Kipcak, A.S., Moroydor Derun, E. ve Piskin, S., Evaluation of magnesium wastes for the synthesis of magnesium borate hydrates by microwave energy, ICOEST2013: The international Conference on Environmental Science and Technology, 18 - 21 June 2013, Urgup, Nevsehir, (2013)
20. Senberber, F.T., Kipcak, A.S., Moroydor Derun, E. ve Piskin, S., Boric Acid Waste (Boron-Gypsum) Evaluation at Different Mole Ratios for Magnesium Borate Synthesis, First International Symposium on Innovative Technologies for Engineering and Science, 7-9 June 2013, Sakarya, Turkey, (2013)
21. Kipcak, A.S., Senberber, F.T., Moroydor Derun, E. Piskin, S. , Evaluation of the Magnesium Wastes with Boron Oxide in Magnesium Borate Synthesis, ICEBESE 2012: International Conference on Environmental, Biological, and Ecological Sciences, and Engineering, 25-26 July 2012, Amsterdam - The Netherlands, (2012)
22. Kipcak, A.S., Senberber, F.T., Yilmaz Baysoy, D., Moroydor Derun, E., Piskin, S., Characterization of the Synthesized Admontite Mineral and Investigation of Its Neutron Permeability, 3. International Conference on Nuclear and Renewable Energy Resources, 20-23 May 2012, Istanbul, Turkey, (2012)

6.2.2. Özet/ Poster

1. Piskin, M., Kipcak, A. S., Yildirim, M., Senberber, F. T., Tugrul, N. ve Derun, E. M. Zinc chloride, sodium hydroxide and boric acid molar ratio determination for the production of zinc borates (Poster). TMS 2015 144th Annual Meeting & Exhibition. Orlando, Florida, USA, (2015, Mart).

2. Piskin, S., Kipcak, A. S., Senberber, F. T., Yildirim, M., Tugrul, N. ve Derun, E. M. Parametric investigation of the recycling boric acid from boron-gypsum (Poster). TMS 2015 144th Annual Meeting & Exhibition. Orlando, Florida, USA, (2015, Mart).
3. Senberber, F.T., Kipcak, A.S., Moroydor Derun, E. ve Piskin, S., Magnesium Borate Synthesis from Boric Acid Sludges at Different Mole Ratios By Hydrothermal Method (Özet), Advanced Materials World Congress, 16-19 September 2013, Cesme, Izmir, (2013)
4. Kipcak A.S., Senberber F.T., Moroydor Derun E., ve Piskin S., Characterization of Magnesium Borate Hydrates Produced from MgO and H_3BO_3 at 80^oC, for two Different Drying Temperatures (Poster), 12. Mediterranean Congress in Chemical Engineering, 15-18 November 2011, Barcelona, Spain, (2011)

6.3. Yazılan ulusal/uluslararası kitaplar veya kitaplardaki bölümler:

6.3.1. Uluslararası kitap veya kitap bölümleri

6.3.1.1. Yazılan uluslararası kitaplardaki bölümler

1. Senberber Dumanli, F. T. (2024), "Effect of capping agents on the nanoscale metal borate synthesis", in Boron, Boron Compounds and boron-Based Materials and Structures, ed. Metin Aydin, Intech Open, London. ISBN: 978-1-80356-153-0 DOI: 10.5772/intechopen.111770
2. Senberber Dumanli, F. T. (2022), "Magnesium borates: The relationship between the characteristics, properties and novel technologies", in Current Trends in Magnesium (Mg) Research, ed. Sailaja S. Sunkari, Intech Open, London. ISBN: 978-1-80355-481-5 DOI: http://dx.doi.org/10.5772/intechopen.104487

6.3.2. Ulusal kitap veya kitap bölümleri

6.3.2.1. Yazılan ulusal kitaplar

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Eğitim Sertifikaları

Tarih	Cihaz Adı	Modeli
08.10.2009	Scanning Electron Microscope (SEM)	CAMSCAN – Apollo 300
24.06.2009	Gas Chromatography (GC)	PERKIN ELMER – Clarus 500GC
23.01.2009	Thermogravimetry (TG/DTA)	PERKIN ELMER – Diamond TG/DTA
23.01.2009	Differential Scanning Calorimetry (DSC)	PERKIN ELMER – Pyris Diamond DSC
24.06.2008	X-Ray Diffractometer (XRD)	PANALYTIAL – Xpert Pro MPD
16.05.2008	X-Işınları Floresans Spectroscopy (XRF)	PANALYTICAL – Minipal 4
10.04.2008	Inductively Coupled Plasma Spectroscopy (ICP)	PERKIN ELMER – Optima 2100 DV
27.03.2008	Ultraviolet–Visible Spectroscopy (UV)	PERKIN ELMER – Lambda 25
03.03.2008	Fourier Transform Infrared Spectroscopy (FT-IR)	PERKIN ELMER – FTIR Spectrum One
14.02.2008	Raman Spectroscopy	PERKIN ELMER – Raman 400F

11. İdari Görev

Görev Ünvanı	Görev Yeri	Yıl
Dekan Yardımcılığı	Nişantaşı Üniversitesi, Mühendislik ve Mimarlık Fakültesi	2020-2021
Program Başkanlığı	Ataşehir Adıgüzel Meslek Yüksekokulu, İş Sağlığı ve Güvenliği Programı	2016-2018

12. Projelerde Yaptığı Görevler

Devam eden

1. Biyokütle Atıklarının Termal Kinetik Mekanizmalarının İncelenmesi ve Farklı Aktivasyon Ajanlarının Etkisinin Değerlendirilmesi, İstanbul Nişantaşı Üniversitesi BAPB, 2024/20, 2024-…, Yürütücü.
2. Kapayıcı Ajan Katkılı Magnezyum Boratların Endüstriyel Boyaların Atık Sulardan Arıtımında Değerlendirilmesi, İstanbul Nişantaşı Üniversitesi BAPB, 2022/18, 2022-…, Yürütücü.
3. Hayvansal Temelli Kaynaklardan Elde Edilen Kitosanın Ağır Metal İçeren Atık Suların Arıtılmasında Kullanımı, YTÜ- BAPK, FBA-2022-4986, 2022-…, Araştırmacı.

Tamamlanan

1. Farklı Morfolojilere Sahip Yüksek Teknoloji Ürünü Lantanborat Üretimi, YTÜ- BAPK, FBA-2019-3529, 2019-2022, Araştırmacı.
2. Farklı Hidrotermal Yöntemlerin $CoAl_2O_4$ Pigment Sentezindeki Etkilerinin Karşılaştırılması, Nişantaşı Üniversitesi BAPB, BAP00009, 2019-2021, Yürütücü.
3. İki Farklı Yöntem ile Nano $CoAl_2O_4$ Seramik Pigment Sentezi ve Farklı Kapayıcı Ajanların Etkisinin İncelenmesi, YTÜ-BAPK, 2015-07-01-GEP03, 2015-2019, Araştırmacı.
4. Hidrofobik Karakterli Hafif Köpük Beton Üretimi, YTÜ-BAPK, 2015-07-01-KAP02, 2015-2016, Araştırmacı.
5. Elektrik İletkenliğine Sahip Boya ve Isıtıcı Sistemin Oluşturulması, Üretilmesi ve Bunun Yeni Nesil Seramik Üzerine Uygulanması, SANTEZ, 00898.STZ.2011-1, 2011-2014, Araştırmacı.
6. Farklı Magnezyum ve Bor Kaynaklarından Magnezyum Boratların Üretimi ve Üretim Parametrelerinin İncelenmesi, YTÜ-BAPK, 2012-07-01-KAP03, 2012-2013, Araştırmacı.
7. Magnezyum Oksit ve Borik Asit Kaynaklarından Magnezyum Boratların Üretimi, Karakterizasyonu ve Üretimi Etkileyen Faktörlerin İncelenmesi, YTÜ-BAPK, 2012-07-01-YL01, 2012-2013, Araştırmacı.

13. Lisansüstü Tez Danışmanlıkları

Doktora Tezleri (Devam eden):

1. Gul, E.M., "Bor Katkılı Polimer Filmlerin Geliştirilmesi", Yıldız Teknik Üniversitesi, Fen Bilimleri Enstitüsü, İstanbul, Türkiye (Eş Danışman).

Yüksek Lisans Tezleri (Devam eden):

2. Ak, B., "Hidrotermal Yolla Üretilen Katkılı Magnezyum Borat Örneklerinin Endüstriyel Boyaların Atık Sulardan Arıtımında Değerlendirilmesi", Yıldız Teknik Üniversitesi, Fen Bilimleri Enstitüsü, İstanbul, Türkiye (Eş Danışman).

Yüksek Lisans Tezleri (Tamamlanan):

1. Sencar, E., (2024), "Killerden Üretilen Spinel Yapıların Farklı Boyar Maddelerin Gideriminde Değerlendirilmesi", Yıldız Teknik Üniversitesi, Fen Bilimleri Enstitüsü, İstanbul, Türkiye (Eş Danışman).
2. Aydoğan, T., (2022), "Gıda Atıklarından Demir Nanopartikül Sentezi", Yıldız Teknik Üniversitesi, Fen Bilimleri Enstitüsü, İstanbul, Türkiye (Eş Danışman).

14. Son iki yılda verilen dersler

Son iki yılda verilen lisans düzeyindeki dersler

Akademik Yıl	Dönem	Dersin Adı	Haftalık Saati		Öğrenci Sayısı
			Teorik	Uygulama	
2024-2025	Güz	Environmental Protection	3	0	250
2024-2025	Güz	Professional Liability and Ethics	2	0	200
2024-2025	Güz	Occupational Health and Safety	3	0	130
2024-2025	Güz	İş Sağlığı ve Güvenliği	3	0	180
2023-2024	Bahar	Chemistry	3	0	383
2023-2024	Bahar	Environmental Protection, Occupational Health and Safety	3	0	170
2023-2024	Bahar	Engineering ethics	3	0	103
2023-2024	Güz	Mesleki Sorumluluk ve Etik	2	0	203
2023-2024	Güz	Çevre Koruma	3	0	24
2023-2024	Güz	Mühendislik Etiği	3	0	56
2023-2024	Güz	Professional Liability and Ethics	2	0	143
2023-2024	Güz	Occupational Health and Safety	3	0	137
2023-2024	Güz	İş Sağlığı ve Güvenliği	3	0	303
2023-2024	Güz	Environmental Protection	3	0	109
2022-2023	Bahar	Environmental Protection	3	0	60
2022-2023	Bahar	Chemistry	3	0	490

2022-2023	Bahar	Environmental Protection, Occupational Health and Safety	3	0	60
2022-2023	Bahar	Çevre Koruma, İş Sağlığı ve Güvenliği	3	0	300
2022-2023	Bahar	Engineering ethics	3	0	60

Son iki yılda verilen önlisans düzeyindeki dersler

Akademik Yıl	**Dönem**	**Dersin Adı**	**Haftalık Saati**		**Öğrenci Sayısı**
			Teorik	**Uygulama**	
2024-2025	Güz	Denizcilik Kimyası	2	0	83
2023-2024	Güz	Denizcilik Kimyası	2	0	89