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Мехмет Кобья
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Билими

1	Бакалавр	1984 - 1988	,
2	Магистр	1989 - 1992	,

Тил билүү деңгээли

#	Тил	Угуп түшүнүү	Окуп түшүнүү	Өз ара сүйлөшүү	Оозеки түшүндүрүү	Жазуу
1	Англисче	B1	B1	C1	C1	C1

A1: Beginner **A2:** Elementary **B1:** Pre-Intermediate **B2:** Intermediate **C1:** Upper-Intermediate **C2:** Advanced

Илимий багыттары

Экология инженериясы

Илимий даражалары

1	Доц.М.А.Др.	1998	,
2	Доц.М.А.Др.	1996	,
3	Доц.Др.	2009	,
4	Проф.Др.	2015	,

Берген сабактары

СЕУ-619 Таштандыларды ажыратуудагы тереңдетилген биол.процесс.

СЕУ-900 Доктордук диссертация

СМВ-101 Адистик инженерлигине кириш жана пландоо

СМВ-301 Айл.-ч. инж.деги физ.лык - хим.лык проц.тердин негиз.ри

СМВ-401 Агынды сууларды тазалоо процесстери

СМВ-205 Айлана-чөйрө химиясы i

СМВ-518 Агынды суулардан азот жана фосфорду бөлүү процесстери

СМВ-302 Суу менен камсыздоо жана канализация

СМВ-304 Айлана-ч. инж.деги биол.к проц.тердин негиздери

СМВ-326 Зыяндуу таштандыларды башкаруу

СМВ-204 Суунун сапаты жана башкаруу

СЕV-413 Ичме суу инженерлиги

СЕV-451 Квалификациялык бүтүрүү иши i

СМВ-802 Өндүрүштүк практика

СМВ-523 Сууну жана агынды суу-ды электрох-лык проц.менен тазал.

FBE-610 Семинар 1

FBE-699 Чет өлкөдө илимий изилдөө стажировкасы

FBE-800 Магистрдик диссертация

FBE-801 Илимий изилдөө практикасы

СЕV-452 Квалификациялык бүтүрүү иши ii

FBE-602 Илимий долбоорлорду жана адам ресурстарын башкаруу

СЕV-620 Кен калдыктары жана аны башкаруу

СЕV-324 Агынды суу инженерлиги

BTZ-451 Дипломдук иш i

BTZ-452 Дипломдук иш ii

СЕV-107 Введение в экологию

ЎEV-314 Экологиялык таасирлерди эсептөө

ЎEV-410 Биологиялык процесстер

СЕV-318 Суу менен камсыздоо жана канализация

СЕV-500 Магистрдик диссертация

GID-471 Инженерлик этика

ЎEV-312 Суу менен камсыздоо жана канализация

ЎEV-401 Айлана-чөйрөнүн мониторинги жана көзөмөл i

GID-503 Адистик боюнча чет тил

СЕV-503 Адистик англис тили

СЕV-522 Тереңдетилген биологиялык процесстер

СЕV-523 Тереңдетилген экологиялык технологиялар

Административдик кызматтары

#	Кызматы	Бөлүм	Башталышы	Бүтүшү
1	Декан	Инженердик факультети	02.09.2021	28.02.2022

Жетекчилик кылган диссертация темалары

1	Магистр Навид ахмад Акхтар 2024 MEZBAHANE ATIK SULARININ KOAGÜLASYON-FLOKÜLASYON PROSESİ TAKİBEN SÜREKLİ EL
2	Магистр Венера Эдилбек кызы 2021 BİŞKEK KATI ATIK SAHASININ ÇEVRESEL KİRLİLİK BOYUTU VE OLUŞAN SIZINTI SULAR

SCI, SCI-E, SSCI жана AHCI индекстүү журналдарда басылган макалалары

1. T.S.Rad, A.Khataee, Y.E.Sevval, E.Gengec, [M.KOBYA](#), Y.Yeojoon. (2025). Enhanced sonophotocatalytic degradation of phthalate acid ester using copper-chromium layered double hydroxides on carbon nanotubes and biochar. ULTRASONICS SONOCHEMISTRY, 117(107351), 1-9. DOI: DOI10.1016/j.ultsonch.2025.107351.
<https://www.webofscience.com/wos/woscc/full-record/WOS:001477072400001>.
2. A.N.Ahmad, [M.KOBYA](#), G.Erhan. (2025). Chemical and electrochemical coagulation processes as a tertiary treatment for residual phosphate removal from domestic wastewater: effect of operating parameters and calculation of operating cost. ENVIRONMENTAL SCIENCE-WATER RESEARCH & TECHNOLOGY, 11(6), 1554-1567. DOI: DOI10.1039/d5ew00047e.
<https://www.webofscience.com/wos/woscc/full-record/WOS:001490200500001>.
3. A.N.Ahmad, [M.KOBYA](#), K.Alireza. (2025). Removal of Cr(VI) by continuous flow electrocoagulation reactor at controlled and uncontrolled initial pH conditions. CHEMICAL ENGINEERING RESEARCH & DESIGN, 214(-), 403-414. DOI: DOI10.1016/j.cherd.2025.01.015.
<https://www.webofscience.com/wos/woscc/full-record/WOS:001406388700001>.
4. A.N.Ahmad, [M.KOBYA](#), G.Erhan. (2025). Effect of operating parameters on the performance of single chemical coagulation (CC), electrooxidation (EO), and a combined CC/EO process for the treatment of car wash wastewater. CHEMICAL ENGINEERING SCIENCE, 316(121897), 121897. DOI: DOI10.1016/j.ces.2025.121897.
<https://www.webofscience.com/wos/woscc/full-record/WOS:001504648800002>.
5. A.N.Ahmad, [M.KOBYA](#). (2025). Efficient degradation of industrial slaughterhouse wastewater by electrooxidation process: impact of DSA anode materials on oxidation and operating costs. ENVIRONMENTAL TECHNOLOGY, -(-), -. DOI: DOI10.1080/09593330.2025.2482975.
<https://www.webofscience.com/wos/woscc/full-record/WOS:001454934900001>.
6. [M.DOLAZ](#), [M.KOBYA](#), A.Y.Goren. (2024). Renewable-based treatment solution of Reactive Blue 21 dye on fly ash as low-cost and sustainable adsorbent. JOURNAL OF

- CHROMATOGRAPHY A, 1715(1), 464631. DOI: 10.1016/j.chroma.2024.464631.
<https://www.webofscience.com/wos/woscc/full-record/WOS:001154302700001>.
7. A.G.Karaoglu, [M.KOBYA](#), A.Y.Goren, E.Mese, M.Tepe. (2024). Assessment of heavy metal contamination and removal using *Ceratophyllum demersum* L.: a case study. INTERNATIONAL JOURNAL OF GLOBAL WARMING, 33(4), 330-348. DOI: DOI10.1504/IJGW.2024.139897.
<https://www.webofscience.com/wos/woscc/full-record/WOS:001266094200007>.
 8. Z.Movaffagh, A.Khataee, A.J.Sisi, Z.Jalali, M.Zarei, [M.KOBYA](#). (2024). Mixed metal oxide (Ru, Ir, Sn) electrodes in the anodic activation of peroxydisulfate for a sustainable degradation of rifampicin. JOURNAL OF INDUSTRIAL AND ENGINEERING CHEMISTRY, 138(-), 575-585. DOI: DOI10.1016/j.jiec.2024.04.035.
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 9. N.A.Akhtar, E.Gengec, [M.KOBYA](#). (2024). Treatment of Slaughterhouse Plant Wastewater by Sequential Chemical Coagulation-Continuous Flow Electrooxidation Process. JOURNAL OF THE ELECTROCHEMICAL SOCIETY, 171(7), -. DOI: DOI10.1149/1945-7111/ad6192.
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 10. [M.KOBYA](#), A.Y.Gören, A.G.Karaoğlu, S.Hızlı. (2023). Identifying Geogenic and Anthropogenic Aluminum Pollution on Different Spatial Distributions and Removal of Natural Waters and Soil in Çanakkale, Turkey. ACS OMEGA, 8(9), 8557-8568. DOI: 10.1021/acsomega.2c07707.
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 11. [M.KOBYA](#), A.Khataee, E.Ş.Yazıcı, R.T.Sadeghi, E.Gengeç. (2023). Ultrasound-assisted photocatalytic decomposition of rifadin with biochar and CNT-based NiCr layered double hydroxides. SURFACES AND INTERFACES, 36(102628), 128253. DOI: 10.1016/j.surfin.2022.102628.
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 13. [N.ŞAYKİEVA](#), [Z.MAYMEKOV](#), [M.DOLAZ](#), [M.KOBYA](#), [C.İZAKOV](#), С.Дамира. (2023). Concentration Distribution of Molecules and Other Species in the Model System Fe-NaCl-Na₂S-H₂SO₄-H₂O at Various Temperatures of the Electrocoagulation Process. Theoretical Foundations of Chemical Engineering, 57(2), 205-214. DOI: <https://doi.org/10.1134/S0040579523020069>.
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 14. N.Djerroud-Mohellebi, N.Adjeroud-Abdellatif, Z.Azzouz, S.Elabbas, B.Merzouk, [M.KOBYA](#), K.Madani. (2023). Treatment of wastewaters from food Aromsa and ingredients production by electrocoagulation (EC) treatment aided by mucilage of *Opuntia ficus- indica*. JOURNAL OF THE PROFESSIONAL ASSOCIATION FOR CACTUS DEVELOPMENT, 25(-), 192-213. DOI: DOI: 10.56890/jpacd.v25i.518.
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 15. O.Karatas, A.Khataee, [M.KOBYA](#), Y.Yeojoon. (2023). Electrochemical oxidation of perfluorooctanesulfonate (PFOS) from simulated soil leachate and landfill leachate concentrate. Journal of Water Process Engineering, 56(104292), -. DOI: DOI10.1016/j.jwpe.2023.104292.
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 16. T.S.Rad, E.S.Yazici, A.khataee, E.Gengec, [M.KOBYA](#). (2023). Tuned CuCr layered double hydroxide/carbon-based nanocomposites inducing sonophotocatalytic degradation of dimethyl phthalate. Ultrasonics Sonochemistry, 95(106358), -. DOI:

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17. S.S.Rad, A.Khataee, S.Arefi-Oskoui, T.S.Rad, M.Zarei, Y.Orooji, E.Gengeç, [M.KOBYA](#). (2023). Carbonaceous CoCr LDH nanocomposite as a light-responsive sonocatalyst for treatment of a plasticizer-containing water. *Ultrasonics Sonochemistry*, 98(106485), -. DOI: 10.1016/j.ultsonch.2023.106485.
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 18. Y.Muhammad, C.M.Dursun, D.Mehmet, B.S.Kumar, [M.KOBYA](#), L.Wontae. (2023). Treating Textile Wastewater to Achieve Zero Liquid Discharge: a Comprehensive Techno-economic Analysis. *WATER AIR AND SOIL POLLUTION*, 234(10), 651. DOI: 10.1007/s11270-023-06646-5.
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 19. [Z.MAYMEKOV](#), [M.KOBYA](#), [M.DOLAZ](#), [N.ŞAYKİEVA](#). (2023). Electrochemical Sulfur Removal at Controlled and Uncontrolled pHs with an Iron Anode. *Theoretical Foundations of Chemical Engineering*, 57(6), 1444-1454. DOI: DOI:10.1134/S0040579523060180.
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 20. [M.KOBYA](#), A.Y.Gören, A.Khataee. (2022). How does arsenic speciation (arsenite and arsenate) in groundwater affect the performance of an aerated electrocoagulation reactor and human health risk?. *SCIENCE OF THE TOTAL ENVIRONMENT*, 808(1), 152135.
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 21. [M.KOBYA](#), A.Khataee, Y.Orooji, Y.Yoon, R.Keyikoğlu, I.N.Doğan. (2022). Synthesis of visible light responsive ZnCoFe layered double hydroxide towards enhanced photocatalytic activity in water treatment. *CHEMOSPHERE*, 309(1), 136534. DOI: 10.1016/j.chemosphere.2022.136534.
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 22. [M.KOBYA](#), A.Khataee, Ç.Şengezer, E.Aliyev, E.Gengeç. (2022). Electrochemical oxidation of pretreated landfill leachate nanofiltration concentrate in terms of pollutants removal and formation of by-products. *CHEMOSPHERE*, 307(3), 135954. DOI: DOI:10.1016/j.chemosphere.2022.135954.
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 23. [M.KOBYA](#), A.Khataee, E.Gengeç, S.Arefi-Oskoui, Y.Yoon, T.Sadeghi, S.Sadeghi. (2022). Zinc-chromium layered double hydroxides anchored on carbon nanotube and biochar for ultrasound-assisted photocatalysis of rifampicin. *ULTRASONICS SONOCHEMISTRY*, 82(1), 105875. DOI: 10.1016/j.ultsonch.2021.105875.
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 24. [M.KOBYA](#), R.T.Sadeghi, E.S.Yazıcı, A.R.Khataee, E.Gengeç. (2022). Nanoarchitecture of graphene nanosheets decorated with NiCr layered double hydroxide for sonophotocatalytic degradation of refractory antibiotics. *ENVIRONMENTAL RESEARCH*, 214(113788), 1-2. DOI: 10.1016/j.envres.2022.113788.
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 25. O.Karatas, [M.KOBYA](#), K.Alireza, Y.Yeojoon. (2022). Perfluorooctanoic acid (PFOA) removal from real landfill leachate wastewater and simulated soil leachate by electrochemical oxidation process. *ENVIRONMENTAL TECHNOLOGY & INNOVATION*, 28(102954), 102954. DOI: DOI: 10.1016/j.eti.2022.102954.
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 26. K.Ramazan, K.Alireza, O.Yasin, [M.KOBYA](#). (2022). Synergistic effect of Fe and Co metals for the enhanced activation of hydrogen peroxide in the heterogeneous electro-Fenton process by Co-doped ZnFe layered double hydroxide. *JOURNAL OF ENVIRONMENTAL CHEMICAL ENGINEERING*, 10(6), 108875. DOI: DOI: 10.1016/j.jece.2022.108875.
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27. [M.KOBYA](#), R.T.Sadeghi, A.Khataee, S.Arefi-Oskoui, S.S.Rad, Y.Orojii, E.Gengeç. (2022). Graphene-based ZnCr layered double hydroxide nanocomposites as bactericidal agents with high sonophotocatalytic performances for degradation of rifampicin. *CHEMOSPHERE*, 286(2), 12-13. DOI: 10.1016/j.chemosphere.2021.131740. <https://www.webofscience.com/wos/woscc/full-record/WOS:000704347500001>.
28. [M.KOBYA](#), O.Karataş, N.A.Gengeç, A.Khataee, E.Gengeç. (2022). High-performance carbon black electrode for oxygen reduction reaction and oxidation of atrazine by electro-Fenton process. *CHEMOSPHERE*, 287(4), 40-57. DOI: 10.1016/j.chemosphere.2021.132370. <https://www.webofscience.com/wos/woscc/full-record/WOS:000704944200005>.
29. [M.DOLAZ](#), [M.KOBYA](#), A.Y.Gören, B.Ö.Şenol. (2022). Removal of arsenic in groundwater from western Anatolia, Turkey using an electrocoagulation reactor with different types of iron anodes. *HELIYON*, 8(9), e10489. DOI: 10.1016/j.heliyon.2022.e10489. <https://www.webofscience.com/wos/woscc/full-record/WOS:000860591400018>.
30. [M.KOBYA](#), A.Y.Gören. (2021). Arsenic removal from groundwater using an aerated electrocoagulation reactor with 3D Al electrodes in the presence of anions. *CHEMOSPHERE*, 263(1), 128253. <https://doi.org/10.1016/j.chemosphere.2020.128253>.
31. [M.KOBYA](#), O.Koba-Ucun, T.O.Hanci, İ.Arslan-Alaton, S.Arefi-Oskoui, A.Khataee, Y.Orooji. (2021). Toxicity of Zn-Fe Layered Double Hydroxide to Different Organisms in the Aquatic Environment. *Molecules*, 26(2), 395. DOI: 10.3390/molecules26020395. <https://www.webofscience.com/wos/woscc/full-record/WOS:000611955600001>.
32. [M.KOBYA](#), R.Keyikoğlu, O.Karataş, H.Rezania, A.Khataee, V.Vatanpour. (2021). A review on treatment of membrane concentrates generated from landfill leachate treatment processes. *SEPARATION AND PURIFICATION TECHNOLOGY*, 259(1), 118182. DOI: 10.1016/j.seppur.2020.118182. <https://www.webofscience.com/wos/woscc/full-record/WOS:000604991600002>.
33. [M.KOBYA](#), M.D.ÇELEBİ, M.DİLAVER. (2021). A study of inline chemical coagulation/precipitation-ceramic microfiltration and nanofiltration for reverse osmosis concentrate minimization and reuse in the textile industry. *WATER SCIENCE AND TECHNOLOGY*, 84(9), 2457-2471. DOI: DOI: 10.2166/wst.2021.439. <https://www.webofscience.com/wos/woscc/full-record/WOS:000703617700001>.
34. [M.KOBYA](#), P.I.OMWENE, Z.UKUNDIMANA, S.M.SARABI, S.YILDIRIM. (2021). Phosphorous removal from anaerobically digested municipal sludge centrate by an electrocoagulation reactor using metal (Al, Fe and Al□Fe) scrap anodes. *PROCESS SAFETY AND ENVIRONMENTAL PROTECTION*, 152(1), 188-200. <https://www.webofscience.com/wos/woscc/full-record/WOS:000678332500005>.
35. [M.KOBYA](#), S.Arefi-Oskoui, A.Khataee, O.K.Ucun, T.Ö.Hanci, İ.Arslan-Alaton. (2021). Toxicity evaluation of bulk and nanosheet MoS2 catalysts using battery bioassays. *Chemosphere*, 268(128822), 1-10. DOI: 10.1016/j.chemosphere.2020.128822. <https://www.webofscience.com/wos/woscc/full-record/WOS:000615571300033>.
36. [M.KOBYA](#), F.Ulu. (2020). Ammonia removal from wastewater by air stripping and recovery struvite and calcium sulphate precipitations from anesthetic gases manufacturing wastewater. *JOURNAL OF WATER PROCESS ENGINEERING*, 38(1), 101641. DOI: 10.1016/j.jwpe.2020.101641. <https://www.webofscience.com/wos/woscc/full-record/WOS:000598150200008>.

Башка журналдарда басылган макалалары

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Докладдары

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<http://isadet.com/international-symposium-on-advanced-engineering-technologies-isadet-invitation/>.
2. N.ŞAYKİEVA, M.DOLAZ, M.KOBYA. Temір Talaş Anodlu bir Elektrokuogulasyon Reactörü (EC) ile Krom (VI) İçeren Atık Suların Arıtımı. IV. International Turkic World Congress on Science and Engineering , 2022. <https://www.ohu.edu.tr/turk-cose-en/page/regular-sessions->.
3. M.DOLAZ, M.KOBYA, N.Çelikci. APPLICATION OF CONTINUOUS FLOW ELECTROCOAGULATION PROCESS FOR METALWORKING WASTEWATER TREATMENT. International Symposium on Advanced Engineering Technologies (ISADET), 2022.
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Долбоорлору

1. М.Кобья, К.Кемелов, З.Маймеков. Жер асты сууларындагы мышьякты (As) электрокоагуляция ыкмасы менен тазалоо. KTMU-BAP-2023.FB.10.