Проф.Др.
Мехмет Кобья
Инженердик факультети
Экологиялык инженерия бөлүмү
mehmet.kobya@manas.edu.kg

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

CMB-401 Агынды сууларды тазалоо процесстери

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

CMB-205 Айлана-чөйрө химиясы i

CEV-900 Доктордук диссертация

LEE-610 Семинар 1

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

CMB-101 Адистик инженерлигине кириш жана пландоо

CEV-452 Квалификациялык бүтүрүү иши ii

CEV-451 Квалификациялык бүтүрүү иши i

CMB-518 Агынды суулардан азот жана фосфорду бөлүү процесстери

CMB-802 Өндүрүштүк практика

FBE-610 Семинар 1

CEV-619 Таштандыларды ажыратуудагы тереңдетилген биол.процесс.

FBE-699 Чет өлкөдө илимий изилдөө стажировкасы

FBE-800 Магистрдик диссертация

FBE-801 Илимий изилдөө практикасы

CMB-302 Суу менен камсыздоо жана канализация

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

CMB-326 Зыяндуу таштандыларды башкаруу

CMB-204 Суунун сапаты жана башкаруу

CEV-413 Ичме суу инженерлиги

CEV-324 Агынды суу инженерлиги

FBE-602 Илимий долбоорлорду жана адам ресурстарын башкаруу

CEV-620 Кен калдыктары жана аны башкаруу

BTZ-451 Дипломдук иш i

BTZ-452 Дипломдук иш ii

CEV-107 Введение в экологию

ÇEV-314 Экологиялык таасирлерди эсептөө

ÇEV-410 Биологиялык процесстер

CEV-318 Суу менен камсыздоо жана канализация

CEV-500 Магистрдик диссертация

CEV-503 Адистик англис тили

CEV-522 Тереңдетилген биологиялык процесстер

CEV-523 Тереңдетилген экологиялык технологиялар

GID-503 Адистик боюнча чет тил

GID-471 Инженерлик этика

ÇEV-312 Суу менен камсыздоо жана канализация

ÇEV-401 Айлана-чөйрөнүн мониторинги жана көзөмөл і

Административдик кызматтары

#	Кызматы	Бөлүм	Башталышы	Бүтүшү
1	Декан	Инженердик факультети	02.09.2021	28.02.2022

Жетекчилик кылган диссертация темалары

1	Магистр Нawид 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. 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.
2. 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. https://www.webofscience.com/wos/woscc/full-record/WOS:000936473600001.
3. 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. https://www.webofscience.com/wos/woscc/full-record/WOS:000922949800001.
4. M.KOBYA, A.Khataee, E.Gengec, C.İskurt, A.Turan. (2023). A techno-economical assessment of treatment by coagulation-flocculation with aluminum and iron-bases coagulants of landfill leachate membrane concentrates. CHEMOSPHERE, 314(1), 137750. DOI: DOI: 10.1016/j.chemosphere.2023.137750. https://www.webofscience.com/wos/woscc/full-record/WOS:000919836300001.
5. 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. https://www.webofscience.com/wos/woscc/full-record/WOS:001000960200009.
6. 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. https://www.webofscience.com/wos/woscc/full-record/WOS:001101030200001.

7. 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. https://www.webofscience.com/wos/woscc/full-record/WOS:001084975700001.
8. 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: 10.1016/j.ultsonch.2023.106358. https://www.webofscience.com/wos/woscc/full-record/WOS:001010857700001.
9. S.S.Rad, A.Khataee, S.Arefi-Oskoui, T.S.Rad, M.Zarei, Y.Orooji, E.Gengec, 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. https://www.webofscience.com/wos/woscc/full-record/WOS:001035784900001.
10. 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. https://www.webofscience.com/wos/woscc/full-record/WOS:001087050900001.
11. 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. https://link.springer.com/article/10.1134/S0040579523060180.
12. 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. https://www.webofscience.com/wos/woscc/full-record/WOS:000740227700012.
13. 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. https://www.webofscience.com/wos/woscc/full-record/WOS:000868172300006.
14. 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: DOI10.1016/j.chemosphere.2022.135954. https://www.webofscience.com/wos/woscc/full-record/WOS:000861250700006.
15. 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. https://www.webofscience.com/wos/woscc/full-record/WOS:000788122300004.
16. M.KOBYA, R.T.Sadeghi, E.S.Yazıcı, A.R.Khataee, E.Gengenç. (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.
https://www.webofscience.com/wos/woscc/full-record/WOS:000888156400001.
17. O.Karatas, M.KOBYA, K.Alireza, Y.Yeojoon. (2022). Perfluorooctanoic acid (PFOA) removal from real landfillleachate wastewater and simulated soil leachate byelectrochemical oxidation process. ENVIRONMENTAL TECHNOLOGY & INNOVATION, 28(102954), 102954. DOI: DOI: 10.1016/j.eti.2022.102954.
https://www.webofscience.com/wos/woscc/full-record/WOS:000918340700003.
18. 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.
https://www.webofscience.com/wos/woscc/full-record/WOS:000964333200001.
19. 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.
20. 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.
21. 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.
22. 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.
23. M.KOBYA, O.Koba-Ucun, T.O.Hanci, I.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.
24. 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.
25. 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.
26. 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.
27. 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.

28. 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

1. N.ŞAYKİEVA, M.KOBYA, K.KEMELOV, M.DOLAZ, V.Edilbek Kyzy. (2021). Environmental pollution size of the Bishkek Solid Waste Landfill and treatment of generated leachate wastewater. Manas Journal of Engineering, Volume 9(Issue 2), 122-128. https://dergipark.org.tr/en/pub/mjen/issue/65864/928670.

Докладдары

1. N.ŞAYKİEVA, M.KOBYA, M.DOLAZ. “Sulfide removal under controlled pH conditions by electrocoagulation (EC) process using iron anode” . “International Symposium on Advanced Engineering Technologies (ISADET)”, 2022. http://isadet.com/international-symposium-on-advanced-engineering-technologies-isadet-invitation/.
2. N.ŞAYKİEVA, M.DOLAZ, M.KOBYA. Temır 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. http://isadet.com/international-symposium-on-advanced-engineering-technologies-isadet-invitation/.