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Билими

1	Бакалавр	1989 - 1994	,
2	Магистр	1997 - 2010	,

Илимий багыттары

Химия инженериясы, Химия технологиясы

Илимий даражалары

1	Др.	1997	,
2	Доц.М.А.Др.	2003	,
3	Доц.Др.	2006	,
4	Проф.Др.	2011	,
5	Проф.Др.	2018	,

Берген сабактары

КММ-330 Химиялык реакторлор

КММ-303 Химиялык реакция инженерлиги

КММ-610 Конвективдүү жылуулук алмашуу

КММ-504 Тереңдетилген химия инженерлиги термодинамикасы

FBE-800 Магистрдик диссертация

КММ-501 Тереңдетилген зат алмашуу кубулуштары

МУН-204 Инженердик термодинамика

КММ-500 Магистрдик диссертация

КММ-502 Илимий изилдөө практикасы

КМÜ-319 Инженерлик термодинамика i

YÖD-401 Химия инженерлигин долбоорлоо i (курстук иш)
КММ-304 Химиялык реакторлор (курстук иш)
КММ-405 Химиялык технологиялык процесстерди моделдештирүү
КММ-451 Квалификациялык бүтүрүү иши i
КММ-452 Квалификациялык бүтүрүү иши ii
КММ-101 Химия инженерлигине киришүү
КММ-201 Массалык жана энергетикалык баланстар i
BTZ-451 Дипломдук иш i
BTZ-452 Дипломдук иш ii
КММ-520 Атуу беттердин адсорбция аракеттери
КММ-204 Техникалык термодинамика жана жылуулук техникасы
КМÜ-422 Хтп математикалык моделдөө
КМÜ-204 Термодинамика
КМÜ-324 Инженерлик термодинамика ii
КҮМ-530 Илим измлдөө иши
КҮМ-500 Илимий изилдөө практикасы
КММ-509 Тереңдетилген химия инжен-ги термодинамикасы
КММ-615 Биохимия инженерлиги
КММ-630 Масса алмашуудагы өзгөчө темалар
GID-471 Инженерлик этика
КМÜ-201 Материалдык жана энергетикалык баланстар
КМÜ-317 Физикалык химия
КММ-640 Бөлүү процесстери инженерлиги
КҮМ-540 Тереңдетилген биопроцесстер инженерлиги
КҮМ-541 Тереңдетилген бөлүү процесстери
КҮМ-617 Биотехнология
КМÜ-114 Химия ii
КМÜ-216 Химия инженерлигиндеги сандык эсептөөлөр
YÖD-301 Физикалык химия (курстук иш)
КМÜ-336 Механикалык ажыратуу процесстери

Административдик кызматтары

#	Кызматы	Бөлүм	Башталышы	Бүтүшү
1	Бөлүм башчысы	Химия инженердиги бөлүмү	11.12.2019	10.12.2022
2	Бөлүм башчысы	Химия инженердиги бөлүмү	20.12.2022	31.08.2023

Жетекчилик кылган диссертация темалары

1	Магистр Урмат Жолдошбек уулу 2023 ATIK SULARDA BULUNAN İLAÇ ATIKLARININ GİDERİMİ İÇİN HİDROJEL SENTEZİ VE UYG
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SCI, SCI-E, SSCI жана AHCI индекстүү журналдарда басылган макалалары

1. A.Çağlar, H.D.Kivrak, [N.AKTAŞ](#). (2023). Carbon Nanotube Supported CdM(S, Se)/CdTe Anode Catalysts for Electrooxidation of Glucose in Alkaline Media. ChemistrySelect, 8(12), 1-8. DOI: 10.1002/slct.202204692.
<https://www.webofscience.com/wos/woscc/full-record/WOS:000953917700001>.
2. A.Zengin, M.U.Badak, M.Bilici, [N.AKTAŞ](#). (2023). Fabrication of molecularly imprinted cotton fibers for quantification of streptomycin in honey samples. Journal of Applied Polymer Science, 9(8), 1-12. DOI: 10.1002/app.54054.
<https://www.webofscience.com/wos/woscc/full-record/WOS:000984464200001>.
3. Ö.F.Er, D.Alpaslan, T.E.Dudu, [N.AKTAŞ](#), S.Çelik, H.D.Kivrak. (2023). A novel carbohydrate antigen 125 electrochemical sensor based on sweet almond oil organo-hydrogels. MATERIALS CHEMISTRY AND PHYSICS, 298(1), 1-9. DOI: 10.1016/j.matchemphys.2023.127441. [webofscience.com/wos/woscc/full-record/WOS:000964040400001](https://www.webofscience.com/wos/woscc/full-record/WOS:000964040400001).
4. D.Alpaslan, T.E.Dudu, [N.AKTAŞ](#). (2023). Development of onion oil-based organo-hydrogel for drug delivery material. JOURNAL OF DISPERSION SCIENCE AND TECHNOLOGY, 44(5), 750-762. DOI: 10.1080/01932691.2021.1974869.
<https://www.webofscience.com/wos/woscc/full-record/WOS:000696010000001>.
5. D.Alpaslan, T.E.Dudu, [N.AKTAŞ](#). (2023). Synthesis of Poly(ginger oil) Organo Particles as a Metal Free Catalysis and Their Use in Hydrogen Production from Sodium Borohydride Methanolysis. Journal of Polymers and the Environment, 31(3), 1191-1201. DOI: 10.1007/s10924-022-02636-6.
<https://www.webofscience.com/wos/woscc/full-record/WOS:000886420900001>.
6. A.Çağlar, [N.AKTAŞ](#), H.D.Kivrak. (2022). Photocatalytic glucose electrooxidation of titanium dioxide doped CdTe enhanced for a photocatalytic fuel cell. Fuel, 330(1), 125653. DOI: 10.1016/j.fuel.2022.125653.
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7. H.D.Kivrak, S.Khalid, A.Çağlar, D.Alpaslan, K.Selçuk, T.E.Dudu, [N.AKTAŞ](#). (2022). The preparation, characterization, and electrooxidation of colloidal palladium modified poly(methacrylic acid) hydrogel as formic acid fuel cell anode catalyst. Energy Storage, 4(1), e286. DOI: 10.1002/est2.286.
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8. T.E.Dudu, D.Alpaslan, [N.AKTAŞ](#). (2022). Synthesis of controlled release hydrogels from

- dimethylacrylamide/maleic acid/starch and its application in lettuce cultivation. *Journal of Polymer Research*, 29(12), 524. DOI: 10.1007/s10965-022-03363-1. <https://www.webofscience.com/wos/woscc/full-record/WOS:000889548000006>.
9. Ö.F.Er, D.Alpaslan, T.E.Dudu, [N.AKTAŞ](#), H.D.Kivrak. (2022). Novel Cacao oil-based organo-hydrogels to detect carcinoma antigen 125 in serum medium; synthesis, characterization, and electrochemical measurements. *MATERIALS CHEMISTRY AND PHYSICS*, 292(292), 126795. DOI: 10.1016/j.matchemphys.2022.126795. [webofscience.com/wos/woscc/full-record/WOS:000869095800003](https://www.webofscience.com/wos/woscc/full-record/WOS:000869095800003).
 10. A.Çağlar, [N.AKTAŞ](#), H.D.Kivrak. (2022). The role and effect of CdS-based TiO₂ photocatalysts enhanced with a wetness impregnation method for efficient photocatalytic glucose electrooxidation. *SURFACES AND INTERFACES*, 33(33), 102250. DOI: 10.1016/j.surfin.2022.102250. [webofscience.com/wos/woscc/full-record/WOS:000848591600001](https://www.webofscience.com/wos/woscc/full-record/WOS:000848591600001).
 11. H.D.Kivrak, [N.AKTAŞ](#). (2022). Promoting formic acid and ethylene glycol electrooxidation activity on Ga modified Pd based catalysts. *INTERNATIONAL JOURNAL OF HYDROGEN ENERGY*, 47(83), 35265-35274. DOI: 10.1016/j.ijhydene.2022.08.124. [webofscience.com/wos/woscc/full-record/WOS:000884348100013](https://www.webofscience.com/wos/woscc/full-record/WOS:000884348100013).
 12. K.Selçuk, A.Çağlar, [N.AKTAŞ](#), H.D.Kivrak. (2022). Novel gallium-based voltammetric sensor for sensitive detection of cysteine. *JOURNAL OF PHYSICS AND CHEMISTRY OF SOLIDS*, 169(1), 110836. DOI: 10.1016/j.jpcs.2022.110836. [webofscience.com/wos/woscc/full-record/WOS:000813013600003](https://www.webofscience.com/wos/woscc/full-record/WOS:000813013600003).
 13. A.Çağlar, Ö.F.Er, [N.AKTAŞ](#), H.D.Kivrak. (2022). The effect of different carbon-based CdTe alloys for efficient photocatalytic glucose electrooxidation. *JOURNAL OF ELECTROANALYTICAL CHEMISTRY*, 920(1), 116611. DOI: 10.1016/j.jelechem.2022.116611. [webofscience.com/wos/woscc/full-record/WOS:000879066200005](https://www.webofscience.com/wos/woscc/full-record/WOS:000879066200005).
 14. T.E.Dudu, D.Alpaslan, [N.AKTAŞ](#). (2022). Hydrogen Production from Methanolysis of Sodium Borohydride by Non-metal p(CO) Organo-particles Synthesized from Castor Oil. *JOURNAL OF POLYMERS AND THE ENVIRONMENT*, 30(11), 1566-2543. DOI: 10.1007/s10924-022-02521-2. [webofscience.com/wos/woscc/full-record/WOS:000827354400001](https://www.webofscience.com/wos/woscc/full-record/WOS:000827354400001).
 15. A.Çağlar, H.D.Kivrak, [N.AKTAŞ](#). (2022). The effect of titanium dioxide-supported CdSe photocatalysts enhanced for photocatalytic glucose electrooxidation under UV illumination. *INTERNATIONAL JOURNAL OF HYDROGEN ENERGY*, 47(49), 21130-21145. DOI: 10.1016/j.ijhydene.2022.04.231. [webofscience.com/wos/woscc/full-record/WOS:000812279700006](https://www.webofscience.com/wos/woscc/full-record/WOS:000812279700006).
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 17. [N.AKTAŞ](#), D.Alpaslan, T.E.Dudu. (2022). Polymeric Organo-Hydrogels: Novel Biomaterials for Medical, Pharmaceutical, and Drug Delivery Platforms. *FRONTIERS IN MATERIALS*, 9(1), 845700. DOI: 10.3389/fmats.2022.845700. [webofscience.com/wos/woscc/full-record/WOS:000779130300001](https://www.webofscience.com/wos/woscc/full-record/WOS:000779130300001).
 18. D.Alpaslan, T.E.Dudu, [N.AKTAŞ](#). (2022). Agar and Sesame Oil Based Organo-Hydrogels as a Pharmaceutical Excipient in Paracetamol/Carboplatin Release Systems. *INDIAN JOURNAL OF PHARMACEUTICAL SCIENCES*, 84(2), 358-368. DOI: 10.36468/pharmaceutical-sciences.929. [webofscience.com/wos/woscc/full-record/WOS:000823500000013](https://www.webofscience.com/wos/woscc/full-record/WOS:000823500000013).
 19. S.Demirci, B.Ari, [N.AKTAŞ](#), N.Sahiner. (2022). pH-Responsive Amphoteric p (APTMACI-co-AMPS) Hydrogel as Effective Multiple Dye Sponge Network From Aqueous Media. *FRONTIERS IN MATERIALS*, 9(1), 837701. DOI: 10.3389/fmats.2022.837701.

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21. N.AKTAŞ, H.D.Kivrak, K.Selçuk, Ö.F.Er. (2021). Nanostructured electrochemical cysteine sensor based on carbon nanotube supported Ru, Pd, and Pt catalysts. MATERIALS CHEMISTRY AND PHYSICS, 267(1), 1-9. DOI: <https://doi.org/10.1016/j.matchemphys.2021.124689>.
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22. N.AKTAŞ, T.E.Dudu, D.Alpaslan. (2021). Development of Urea Uptake and Release Studies Using N, N-Dimethylacrylamide/Maleic Acid/Citric Acid Based Macroel. JOURNAL OF POLYMERS AND THE ENVIRONMENT, 29(11), 3636-3648. DOI: 10.1007/s10924-021-02130-5.
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30. Ş.Kubiilay, Ş.Demirci, M.Can, N.AKTAŞ, N.Sahiner. (2021). Dichromate and arsenate anion removal by PEI microgel, cryogel, and bulkgel. JOURNAL OF ENVIRONMENTAL CHEMICAL ENGINEERING, 9(2), 104799. DOI: 10.1016/j.jece.2020.104799.
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Benzoic Acid Detection on PdSn/GCE/Vulcan XC-72R Prepared via Polyol Method.
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