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MEHNAT FAOLIYATI	• 2009-2013 yy. - Urganch davlat universiteti fizika-matematika fakulteti talabasi (bakalavr) • 2013-2015 yy. - O’zbekiston Milliy Universiteti Fizika fakulteti magistranti • 2015-2017 y. – Stajor o’qituvchi, Transport tizimlari kafedrasi, Urganch davlat universiteti • 2017-2019 y. – O’qituvchi, Fakultetlararo umumtexnika fanlari kafedrasi, Urganch davlat universiteti • 2019-2022 y. – Doktorant, Jeju Milliy Universiteti, Janubiy Korea. • 2022-2023 y. – Katta o’qituvchi, Fizika kafedrasi, Urganch davlat universiteti • 2023-h.v. – Dotsent, Fizika kafedrasi, Urganch davlat universiteti
MUTAXASISLIGI	• Fizika, Energetika va Kimyo muxandisligi
O‘QITADIGAN FANLARI	• Umumiy fizika, Yarimo’tkazgichli diodlarda optik hodisalar, Qayta tiklanuvchi energiya manbalari, Elektrotexnika, Elektronika va Elektr o’tkazgichlar.
TADQIQOT ISHI	• Plasma Fizikasi, Sovuq plasmani havoni tozalashga tadbiqi, Metandan vodorod olish texnologiyasi.
ILMIY LOYIHALARDA ISHTIROKI	• 2017-2020. No. OT-F2-65 "Investigation of the laws of scattering of low-energy ions from the surface of AIIIBV type semiconductor single crystals" • 2019-2019. Combined removal of NOx and soot using a plasma-assisted hydrocarbon SCR process. • (2018.01.01-2019.12.31, KRICT, Korea) • 2019-2022. Combined monolithic catalyst and plasma for non-urea low-temperature NOx reduction system.

	• (2019.09.30-2022.03.31, NRF, Korea) • 2019-2020. R&D of plasma device for ethylene removal. • (2018.01.01-2020.12.31, National Fusion Research Institute, Korea)
NASHR ETILGAN ILMIY ISHLARI	**1.** N. Matyakubov, D.B. Nguyen, S. Saud, Y.S. Mok, Enhancing the Selective Catalytic Reduction of NOx at Low Temperature by Pretreatment of Hydrocarbons in a Gliding Arc Plasma, Ind. Eng. Chem. Res. 10.1021/acs.iecr.2c00025 (2022). **2.** N. Matyakubov, D.B. Nguyen, S. Saud, I. Heo, S.-J. Kim, Y.J. Kim, J.H. Lee, Y.S. Mok, Effective practical removal of acetaldehyde by a sandwich-type plasma-in-honeycomb reactor under surrounding ambient conditions, J. Hazard. Mater. 415 (2021) 125608. https://doi.org/10.1016/j.jhazmat.2021.125608 **3.** D.B. Nguyen, N. Matyakubov, S. Saud, I.J. Heo, S.-J. Kim, Y.J. Kim, J.H. Lee, Y.S. Mok, High-Throughput NOx Removal by Two-Stage Plasma Honeycomb Monolith Catalyst, Environ. Sci. Technol. 55 (2021) 6386-6396. https://doi.org/10.1021/acs.est.1c00750 **4.** D.B. Nguyen, S. Saud, N. Matyakubov, Y.S. Mok, S. Ryu, H. Jeon, S.B. Kim, Propagation of humidified air plasma in a sandwich-type honeycomb plasma reactor and its dependence on the ambient temperature and reactor diameter, Plasma Sources Sci. Technol. 29 (2020) 125016. **5.** S. Saud, D.B. Nguyen, R.M. Bhattarai, N. Matyakubov, I. Heo, S.-J. Kim, Y.J. Kim, J.H. Lee, Y.S. Mok, Dependence of humidified air plasma discharge performance in commercial honeycomb monoliths on the configuration and key parameters of the reactor, J. Hazard. Mater. 404 (2021) 124024. **6.** S. Saud, D.B. Nguyen, R.M. Bhattarai, N. Matyakubov, V.T. Nguyen, Y.S. Mok, Plasma-catalytic Ethylene Removal by a ZSM-5 Washcoat Honeycomb Monolith Impregnated With Palladium, J. Hazard. Mater. (2021) 127843. **7.** S. Saud, D.B. Nguyen, S.-G. Kim, N. Matyakubov, V.T. Nguyen, Y.S. Mok, Influence of Background Gas for Plasma-Assisted Catalytic Removal of Ethylene in a Modified Dielectric Barrier Discharge-Reactor, ACS Agricultural Science & Technology (2021). **8.** Shirjana Saud, Roshan Mangal Bhattarai, Duc Ba Nguyen, Nosir Matyakubov Shankar Neupane, Byungjin Lee, Young Jin Kim, Jin Hee Lee, Iljeong Heo, Young Sun Mok, A comprehensive study on scaling up ethylene abatement via intermittent plasma-catalytic

	discharge process in a novel reactor configuration comprising multiple honeycomb monoliths. Chemical Engineering Journal (2022) 140486. https://doi.org/10.1016/j.cej.2022.140486