

Shamanaev Ivan Vladimirovich (05.01.1991) – researcher at the Boreskov Institute of Catalysis (Novosibirsk, Russia), working on projects related to phosphide catalysts for hydrodeoxygenation processes: 22-13-00371, 2022–2024, Russian Science Foundation, "Development of a polyfunctional catalyst for the one-stage production of bioaviakerosene from fatty acid triglycerides." He previously participated in projects: 12-03-31686, 2012, "Development of new supported catalysts based on transition metal phosphides for hydrodeoxygenation of biomass" (RFBR), 19-53-04017, 2018, Influence of the nature of alumina carriers on the catalytic properties of Ni-phosphide catalysts in hydrodeoxygenation reactions of model compounds of vegetable oils" (RFBR). Project 19-53-04017, funded by the RFBR, was international and was carried out jointly with researchers from the Republic of Belarus. He participated in the PAO Gazprom Neft project to develop industrial hydroprocessing catalysts based on nickel phosphides.

Shamanaev I.V. Received a specialist diploma with honors in 2014 at Novosibirsk State University. He defended his Ph.D. thesis in 2018 at the Boreskov Institute of Catalysis. His scientific career developed in the field of hydrodeoxygenation of aliphatic esters over nickel phosphide catalysts. He is an author of 14 articles in peer-reviewed scientific journals (3 in the first quartile, 9 in the second quartile), co-author of 3 patents and participated in 21 international and national conferences. He participated with oral presentations at ChemCYS (2014 and 2016, Blankenberge, Belgium), CasCatBel (2015, Liblice, Czech Republic), 1st CEC (2015, Edinburgh, UK), EuropaCat-XII (2015, Kazan, Russia), ICPC (2016, Kazan, Russia), 7th IUPAC International Conference on Green Chemistry (2017, Moscow, Russia), IV CatBior (2017, Lyon, France), V CatBior (2019, Turku, Finland), 8 ASAM (2023, Novosibirsk, Russia). He participated as a guest lecturer at the III School of Young Scientists "Deep processing of hydrocarbon feedstocks: theoretical and applied aspects" (2019, Moscow, Russia). He took third place in the competition for the best oral presentations at the 52nd ISSC (Novosibirsk, Russia), first place for the best poster presentation at ICPC 2016 (Kazan, Russia), he is a winner of the Baker Hughes scholarship program at NSU (2014) and G.K. Boreskov scholarship (2017). He took third place in the annual competition of research works of Boreskov Institute of Catalysis (2018).

One bachelor student defended her thesis under supervision of Shamanaev I.V. (2019, NSU).