# Faculty of Chemical Technology

**УрДУ**

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| SCIENTIFIC DEGREE | * 2007-2011 Urgench State University (Bachelor) * 2013-2015 Tashkent Institute of Chemical Technology (Master) * 2022 to present. Doctor of Philosophical Sciences (PhD) |
| EXPERIENCE | * 2015-2018 teacher of the Department of Chemical Technologies * 2018-2021 doctoral student of the Department of Chemical Technologies * 2021-2023 as of today. Lecturer at the Department of Chemical Technologies |
| SPECIALITY | * Machinery and equipment for the production of chemical and silicate materials |
| SUBJECTS | * Enrichment of silicate industry raw materials * Use of silicate industry waste * General chemical technology * Design of silicate industry enterprises * Materials Science |
| RESEARCH WORKS | * Technology for the production of heat-resistant binder using mineral and technogenic resources of the Aral Sea region |
| RESEARCHES | * Ruzmetova A. Sh/ Laboratory thermal installation and experimental data on the production of high-alumina chamotte/ / " Actual challenges of modern science” ISCIENCE.IN.UA. Ukraine 2017 * M. Yu. Yunusov, Z. K. Babaev, A. Ruzmetova/ Refractory composition based on alumina-containing waste//"New composite and nanocomposite materials: structure, properties and application". Tashkent, 2018 * М.Yu.Yunusov,Z.K.Babaev,А.Sh.Ruzmetova/ Prospect for the Development of New Types of Refractory Materials// International Journal of Advanced Research in Science, Enjineering and Technologi. /2018 * Z. K. Babaev A. Sh. Ruzmetova A. Musaev / Kaolins of the Khodzhakulskoye deposit - valuable raw materials for the production of refractory materials "Topical issues of development of chemical, Chemical Technology, oil and gas and light industries in the Republic of Korakolpakistan" Nukus 2019 y. * M. Yu. Yunusovz.K. Babaev A. Ruzmetova/Prospects for the development of new types of refractory materials/ / Gorny Vestnik. Scientific, technical and industrial journal. 1 part of Navoi 2019 * Z. K. Babaev A. Sh. Ruzmetova /Heat-resistant and inorganic materials based on mineral raw materials of the Aral Sea region and man-made waste// Refractories and technical ceramics. International scientific, technical and production journal. 1-2. Moscow February 2020 • * I. Boizhonov E. Khudaiberganov A. Ruzmetova / Production of fireclay refractories based on the Sultan Uvay deposit/ / "Science and innovations in modern conditions of Uzbekistan" Republican scientific and practical Conference. Nukus May 20, 2020 * Z. K. Babaev A. Sh. Ruzmetova/ Synthesis of alumina cement from local mineral resources and industrial waste Scientific-practical conference on "actual issues of development of chemical and chemical technology spheres in the Republic of Karakalpakstan" dedicated to the 80th anniversary of the scientist, Doctor of chemical sciences, professor Quanishbay Otheniyazov, who served in the Republic of Karakalpakstan, March 24, 2021 * Babaev Z. K., Ruzmetova A. Sh. / LimCollection of materials of the Republican scientific-practical conference" innovative technologies on the basis of local resources and secondary resources". Urgench city, Urgench State University, 2021. I volume estone of the Aktau deposit is a valuable raw material for obtaining alumina cement// |
| CURRENT RESEARCHES | * PhD dissertation 2022 defended on November 10 * Received a diploma from the Russian Academy of Natural Sciences, corresponding member in 2023 on January 21 * Babaev Z.K., Ruzmetova A.Sh.. “Clinker heat-resistant binder from mineral-technogenic raw materials of the Aral Sea region” Mavzusidagi thesis Research Proceedings of International Forum “Women in Stem”, Tashkent 10-14 February. 2023, P 145-147 chop ethyldi. * Babaev Z.K., Matchonov Sh.K., Shomurotov M.Z., Sobirova F.R. "Prospects and necessity of production of heat-resistant binder in Uzbekistan." "Actual problems and solutions of chemistry and chemical technology" Scientific-practical conference, Navoi State Pedagogical Institute 2023, 299-300 p. * • Babaev Z.K., Matchonov Sh.K., Yakubov Yu.Kh., Davletova D.D.Тhe kaolin of khujakul mine and the results of its enrichment by physical-mechanical method Scientific week. “Green chemistry and sustainable development” International conference. May 24-25, 2023, Tashkent. 116-117 S. * • A.Sh. Ruzmetova, M.Yu. Yunusov, Z.A. Masharipova, F.R. Sobirov “Study of siliceous waste and their physicochemical basis” International scientific and practical conference “Environmental protection and environmental zoning: problems and solutions” (June 7, 2023). Tashkent * • Supervisor of the master's thesis on the topic “Obtaining a new type of binder using silica and alumina waste” * • Supervisor of the master's thesis on the topic “Maxalliy xom ashyolar asosida yangi turdagi konservatsiyalash eritmalari olish texnologiyasi va ularni tarixiy obidalarni saqlashda qoʻllash” mavzusida magistrlik ishiga raҳbarlik * • Ruzmetova A.Sh., Yunusov M.Yu. “Production of heat-resistant binder with the addition of metakaolin from mineral and technogenic raw materials of the Aral Sea region” / New refractories No. 7.2023. pp. 28-31. |