

Certificate

on the Applicant for the Academic Title of «**Professor**»,
in the specialty according to the Classifier of Scientific Fields:
20500 – Materials Engineering, 20506 – Metallurgy

№	Field	Information
1	Last name, first name, patronymic (if available)	Chepushtanova Tatyana Alexandrovna
2	Academic degree (Candidate of Sciences, Doctor of Sciences, PhD, Doctor in Profile), date of award	<p>By the decision of the Committee for Control in the Sphere of Education and Science of the Ministry of Education and Science of the Republic of Kazakhstan, the academic degree of Candidate of Technical Sciences was awarded in the specialty 05.16.02 – Metallurgy of Ferrous, Non-Ferrous and Rare Metals (Certificate No. FK 0004530 dated May 25, 2010).</p> <p>By the decision of the State Attestation Commission dated May 26, 2010, the highest academic degree of Doctor of Philosophy (PhD) was awarded in the specialty 6D070900 – Metallurgy (Certificate No. ЖООК-Д 0000163 dated May 26, 2010).</p> <p>Diploma of the Colorado School of Mines (USA) awarding the degree of Doctor of Philosophy (PhD) in Metallurgy, dated June 30, 2010.</p>
3	Academic title, date of award	By the decision of the Committee for Control in the Sphere of Education and Science of the Ministry of Education and Science of the Republic of Kazakhstan, the academic title of Associate Professor (Docent) in the specialty “Metallurgy” was awarded (Certificate No. ДИ 0000109 dated October 9, 2015).
4	Honorary title, date of award	-
5	Position (date and number of appointment order)	<p>Head of the Department of Metallurgical Processes, Heat Engineering and Technology of Special Materials at K.I. Satbayev Kazakh National Technical University, Order No. 947, from June 24, 2016 to September 30, 2024.</p> <p>Professor of the Department of Metallurgy and Mineral Processing at K.I. Satbayev Kazakh National Technical University, Order No. 2438, from October 1, 2024 to the present.</p>
6	Experience in scientific, research and teaching activities	Scientific and teaching experience – <u>20 years</u> ; experience after being awarded the academic title of Associate Professor – <u>11 years</u> .

7	Number of scientific articles after defending the dissertation / obtaining the academic title of associate professor	Total publications – <u>47</u> , including: <u>22</u> in journals recommended by the authorized body; <u>18</u> in scientific journals indexed in Clarivate Analytics databases (Web of Science Core Collection), Scopus, or JSTOR, of which <u>4</u> articles were published as first author in journals with a percentile above 50; <u>7</u> articles published in other scientific journals and proceedings of international conferences. Number of patents – <u>7</u> .
8	Number of monographs, textbooks, and individually authored teaching aids published in the last 5 years	Monographs – <u>2</u> , Textbooks (teaching manuals) – <u>2</u> .
9	Persons who defended their dissertation under his supervision and hold a degree	1. Merkibaev Erik Serikovich – Doctor of Philosophy (PhD) (defense held on April 18, 2024, No. 4). By Order No. 635-d dated April 26, 2024, the degree of Doctor of Philosophy (PhD) was awarded in the specialty 6D070900 – Metallurgy, Registration No. 145, PhD Certificate No. 00000599924 dated May 3, 2024. 2. Yessirkenov Meirbek Iragimovich – Doctor of Philosophy (PhD) (defense held on May 29, 2025, No. 6). By Order No. 883-d dated June 12, 2025, the degree of Doctor of Philosophy (PhD) was awarded in the specialty 6D07204 – Metallurgical Engineering, Registration No. 206, PhD Certificate No. 00031669125 dated June 19, 2025. 3. Sarsembekov Turar Kusmanovich – Doctor of Philosophy (PhD) (defense held on November 28, 2025, No. 22). By Order No. 2045-d dated December 5, 2025, the degree of Doctor of Philosophy (PhD) was awarded in the specialty 6D070900 – Metallurgy, Registration No. 238, PhD Certificate No. 00032551225 dated December 23, 2025.
10	Laureates and prize-winners of national, international, foreign competitions, exhibitions, festivals, awards, olympiads under his supervision	Kozhabekov Raimbek Rysbekuly – International Intercllover Competition: awarded a Second Degree Diploma for the master's thesis entitled "Research Project: Establishment of the Mechanism of Sulfidizing Roasting of Oxidized and Mixed Polymetallic Ores and Processing Products of Mineral Beneficiation." Winner of the International Competition of Educational Projects "Digital Transformation", organized by the Intercllover project, held on February 28, 2021, in Nizhny Novgorod, Russian Federation.
11	Champions or prize-winners of World Universiades, Asian Championships and	-

	Asian Games, European, World and Olympic Games under his supervision	
12	Additional information	<p>Chepushtanova Tatyana Alexandrovna holds the title of "Best University Lecturer of 2022."</p> <p>Under the scientific supervision of Chepushtanova T.A., the first postdoctoral researchers in the Republic of Kazakhstan successfully completed research projects within the framework of the "Zhas Galym" competition: 1. Baigenzhenom Omirserik Sabyrzhanovich, PhD, IRN AP13268858 – "Research on the Technology for Producing High-Purity Microdispersed Silicon Oxide and Metallurgical Silicon from Asbestos Industry Waste," 2022–2024; project completion date: December 31, 2024 (status: approved by the National Scientific Council). 2. Merkibaev Erik Serikovich, PhD, IRN AP15473200 – "Development of a Technology for Processing Oxidized Ores with Preliminary High-Temperature Sulfidation," 2022–2024; project completion date: December 31, 2024 (status: approved by the National Scientific Council).</p> <p>At present, Chepushtanova T.A. is the scientific supervisor of one postdoctoral researcher, Sarsembekov Turar Kusmanovich, within the "Zhas Galym" project for 2024–2026, IRN AP22686490 – "Niobium Recovery during Chlorination of Titanium-Containing Raw Materials."</p> <p>Chepushtanova T.A. was also the scientific supervisor of the first master's student under the joint double-degree educational program between Satbayev University and NUST "MISIS" (Moscow Institute of Steel and Alloys, Moscow, Russian Federation), Tulegenov Azamat Sagimbaevich. The master's thesis entitled "Study of the Technology for Processing Pyrite Concentrates with the Production of Iron Oxide Pigments" was defended on June 18, 2025, in the specialty 7M07229 – Extractive Metallurgy (Protocol No. 4). Satbayev University diploma: No. MD00027627725, Registration No. 61, dated July 1, 2025. NUST MISIS (Russian Federation) diploma in the specialty 22.04.02 – Metallurgy: defense date June 11, 2025 (Protocol No. 2417117), Diploma No. 107704 0526898, Registration No. 2723, dated June 30, 2025.</p> <p>Chepushtanova T.A. has served as principal investigator or scientific supervisor of 10 grant-funded</p>

research projects. Over the past five years, the key projects include:

– 2024–2026 – Principal Investigator, Grant Funding Project, IRN 23490117: “Development of a Technology for the Integrated Processing of Pyrite Concentrates with the Production of Iron Oxide Pigments and Ultradisperse Metal Powders.”

– 2023–2025 – Head of a Section within the Program-Targeted Funding Project, IRN BR21881939: “Development of Resource-Saving Energy-Generating Technologies for the Mining and Metallurgical Complex and Establishment of an Innovative Engineering Center.” Section topic: “Development of a Combined Technology for Processing Vanadium-Containing Raw Materials with the Production of Rare Metal Concentrates.”

– 2022–2024 – Principal Investigator, Grant Funding Project AP14871587: “Development of an Integrated Technology for Reducing Crud Formation during Copper Solvent Extraction.”

– 2020–2022 – Principal Investigator, winner of the Young Scientists Competition, Project AP08052829: “Development of a Hybrid Technology for the Integrated Processing of Oxidized, Difficult-to-Beneficiate Zinc- and Lead-Containing Ores and Processing Products via Sulfidizing Roasting with Subsequent Beneficiation of the Calcine.”

Chepushtanova T.A. is the author of three patents indexed in the DERWENT database:

– Processing oxidized lead-zinc ore (2024-C48647);
– Removing arsenic and carbon from arsenopyrite-carbon contents (2024-B08867);

– Magnetic roasting of pyrite-containing raw materials involving the use of air blast in autogenous mode in a fluidized bed furnace (2019-36710U).

State awards and honors: breast badge “For Contribution to the Development of Science” for outstanding achievements in science of the Republic of Kazakhstan, November 4, 2024; gold Medal of K.I. Satbayev Kazakh National Technical University for special contribution to the development of the university, No. 030, 2023; breast badge “Labor Glory”, III Degree, for impeccable service and length of service, No. 2170, 2022.

Director of the Mining and
Metallurgical Institute



K.B. Rysbekov