



## Exact and natural sciences



Full name Yamgirova Gulshirin Tirkashovna

**Position** Lecturer at the Department of Mathematics and Computer

Technologies, Urgench State Pedagogical Institute

**Phone.** +998883955696

E-mail. gulshirinyamgirova@gmail.com

**Organization** UrSPI

Number +998886013134

Address Urgench city, Gurlan street, house 1A

| DEGREE  | 2018 – Nukus State Pedagogical Institute (full-time, Bachelor's degree) 2023 – Uzbekistan-Finland Pedagogical Institute (Master's degree)  |
|---|--|
| EXPERIENCE                                    | 2018–2021: Mathematics Teacher at Secondary School No. 33, Gurlan District, Khorezm Region 2021–2023: Master's student at Uzbekistan-Finland Pedagogical Institute 2022–2024: Teacher at Specialized School, Pastdargom District, Samarkand Region, under the Presidential Education Institutions System 2024–2025: Trainee Lecturer at the Department of Physics and Mathematics, Urgench State Pedagogical Institute From September 2, 2025 (present): Trainee Lecturer at the Department of Mathematics and Computer Technologies, Urgench State Pedagogical Institute  |
| SPECIALIZATION                                | Methodology of teaching exact and natural sciences (Mathematics)   |
| COURSES<br>TAUGHT                             | Analytical Geometry, Linear Algebra and Analytical Geometry, Methodology of teaching Mathematics, Mathematical Analysis  |
| RESEARCH WORK                                 | Numerical modeling of non-divergent cross-diffusion problems in two-component media  |
| RESEARCH<br>PAPERS                            | Yamgirova Gulshirin Tirkashovna, <i>The interdisciplinary importance of improving Mathematical literacy today</i> , Journal of International Scientific Research, Volume 2, Issue 9, May 2025, Online ISSN: 3030-3508, <a href="https://spaceknowladge.com">https://spaceknowladge.com</a> Yamgirova Gulshirin Tirkashovna, Saidov Murodbek Ulugʻbek oʻgʻli, Sobirova Iroda Ulugʻbek qizi, Axunova Rayhon Oʻktamboyevna, <i>Modern approaches to teaching various equations of planes in space using contemporary software</i> , Urgench State Pedagogical Institute Bulletin, Scientific-Theoretical and Methodological Journal, May 2025 Mahmudova Nazokat, Yamgirova Gulshirin, Sa'dullayeva Nilufar, <i>Trigonometric form of complex numbers: Theory and practical applications</i> , Urgench State Pedagogical Institute Bulletin, Scientific-Theoretical and Methodological Journal, ISSN: 2992-8796, No. 3, May 2025 |
| CURRENT<br>RESEARCH                           | Yamgirova Gulshirin Tirkashovna, Simple methods for solving parameter-dependent inequalities, Materials of the Republican Scientific-Practical Conference on Innovative Technologies in Science, Technology and Vocational Education: Problems and Solutions, October 18-19, 2024  Yamgirova G., Iskandarov R., Haydarova D., Effective use of multimedia tools in geometry lessons, Materials of the Republican Scientific-Practical Conference on Innovative Technologies in Science, Technology and Vocational Education: Problems and Solutions, November 5, 2024  Yamgirova Gulshirin Tirkashovna, The professional development of school teachers in Finland: A case study of mathematics education, Journal of Applied Science and Social Science   |
| ACTIVITY IN THE<br>2024–2025<br>ACADEMIC YEAR | Published 1 methodological guide and 2 scientific articles in journals indexed in the OAK database Participated in 5 international and national conferences  |