## Section

## TRAINING AND TEACHING OF CHEMISTRY IN HIGH SCHOOL

1. A. Arroio, D.B. Rezende, L.G. B. Novais. The students' protagonism on the learning of chemical or physical transformations: contributions of media literacy. Faculty of Education and Institute of Chemistry, University of São Paulo, São Paulo, Brazil.

https://drive.google.com/file/d/164AmrdQbsyUz9H51ZHIVUdBDSKLVmmTk/view?usp=sharing

2. M.A. Avaliani, E.V. Shapakidze, V.A. Chagelishvili. Progress in chemistry and scientists' responsibility for the continuity of the educational system. I. Javakhishvili Tbilisi State University, R. Agladze Institute of Inorganic Chemistry and Electrochemistry, Tbilisi, Georgia; I. Javakhishvili Tbilisi State University A. Tvalchrelidze Caucasian Institute of mineral Resources, Tbilisi, Georgia. https://drive.google.com/file/d/1W6S10kws9kVnOu1CHk6Ff4E9AvtoLRAH/view?usp=sharing

3. V.N. Belyatsky, N.D. Yarantseva. New approaches to organization of on-line education and examination on the example of analytical chemistry at the Belarusian State Medical University. Belarusian State Medical University, Minsk, Belarus.

https://drive.google.com/file/d/10T1GBVo3Et8pN8pZdiWLg4PlGkNTVxm9/view?usp=sharing

4. A.A. Bialnitskaya, E.Y. Arshansky. Professionally oriented profile teaching of chemistry in the system of continuing education. Minsk City Institute for the Development of Education, Minsk, Belarus; Vitebsk State University named after P.M. Masherov, Vitebsk, Belarus. https://drive.google.com/file/d/11vS9Cw2rmoVdHqywpeXeHvGiofELBAWi/view?usp=sharing

5. A.S. Berestnev. Opportunities for the development of research competencies of students by means of a modern chemical experiment at school. National Institute of Education, Minsk, Belarus. https://drive.google.com/file/d/1qWQ-AL0xSR489ydwtRlWaBDeA3KbHA E/view?usp=sharing

6. N.E. Boboriko, A.V. Zuraev, E.I. Vasilevskaya. Information and communications technologies as methodological support of the practical training in Inorganic Chemistry. Belarusian State University, Minsk, Belarus.

7. N.V. Branovitskaja, E.N. Dudkina, A.A. Iorbalidi. Using the MOODLE platform in teaching chemical discipline. Mogilev State University of Food Technologies Mogilev, Belarus.

8. O.A. Egorova. The problem of adaptation of first-year students to conditions of self-isolation. RUDN University, Moscow, Russia.

9. A. Espinoza-Cara, M.C. Bauza-Castellanos, J. Schmittlen-Garbocci, A. Angarita-Laverde. An experience on the analysis of visual representations in simulators for teacher training. Ministerio de Educación de Santa Fe, Rosario, Santa Fe, Argentina; Universidad Nacional de Rosario, Rosario, Santa Fe, Argentina; Universidad Nacional de Colombia, Bogotá, Colombia.

https://drive.google.com/file/d/1POeZwlv7pKXm8VO4796\_yFYFIIO83CeA/view?usp=sharing

10. I.A. Feshchenko, T.A. Borovskikh. Monitoring of productive skills formation and development in teaching chemistry. Biology and Chemistry Institute, Moscow Pedagogical State University Moscow, Russian Federation.

https://drive.google.com/file/d/1xl-v3-C3GvHbSfXvemEgJl8wRG0ZVc5L/view?usp=sharing

11. J.E. Hollenbeck. Taking the Traditionally Taught Classroom to the Inquiry-Based Online Learning Model. Indiana University Southeast. New Albany, IN USA. https://drive.google.com/file/d/1Bt3pkLbzdL9FXOIyH6Ljf4AhO5LIOjnP/view?usp=sharing

12. V.V. Kavalenka, N.S. Stupen. Structure of the subject competence in chemistry. Brest State A.S. Pushkin University, Brest, Belarus.

https://drive.google.com/file/d/1RvWYypP7u-3GRaUVwyTOL7RS7ZuHs42v/view?usp=sharing

13. T. Lakhvich, K. Burdashkina. Graph theory approach in quantitative assessment of the efficiency of microstructuring of the course of Organic chemistry. Belarusian state medical university, Minsk, Belarus.

https://drive.google.com/file/d/1Kpr2jp3pm5oS4jB5NCh\_IgEgf-4B-o9j/view?usp=sharing

14. T. Lakhvich, O. Ryneiskaya. Improvement of practice-orientation of Organic chemistry for pharmaceutical students. Belarusian State Medical University, Minsk, Belarus.

15. I.E. Malashonok, O.I. Salychits. Online chemistry teaching at BSTU during the coronavirus pandemic. Belarusian State Technological University, Minsk, Belarus. https://drive.google.com/file/d/1Tz-fPs-tcelpo5Z8oBQcuYD8sbqYXG6u/view?usp=sharing

*16. T.N. Miakinnik.* A chemistry teacher work's methodology to develop students' skills for selfmanagement of educational activities. Belarusian State University, Minsk, Belarus. https://drive.google.com/file/d/1suqWIZVg6e8XaQAEWhCn6Ulyxlq07rLf/view?usp=sharing

17. E.V. Mirenkova. Tools for the formation and evaluation of the competencies of future teachers in the development of the discipline «Methods of teaching chemistry». Smolensk State University, Smolensk, Russia.

https://drive.google.com/file/d/1o-WRMexxKDxsaVNxOa0L-GmHxebEm1bz/view?usp=sharing

18. E.N. Mitskevich, A.L. Kozlova-Kozyrevskaya, N.G. Vasilyeva. Modern educational technologies in teaching chemical disciplines at a pedagogical university. Belarusian State Pedagogical University named after M. Tank, Minsk, Belarus.

*19. O.P. Mitryasova.* Natural science education as an aspect of the roadmap for addressing sustainable development issues. Petro Mohyla Black Sea National University, Mykolaiv, Ukraine. https://drive.google.com/file/d/1q1ZHL2AmyB0CioJsrGsIiP9xFAHXvASl/view?usp=sharing

20. D.I. Mychko. Pedagogical system of formation and development of the methodological culture in the training course at the Department of Inorganic Chemistry of BSU. Belarusian State University, Minsk, Belarus.

https://drive.google.com/file/d/118JNzReNZhDdvIWE0rCuol\_IRP6iF2SN/view?usp=sharing

21. C. Nakiboğlu. Prospective chemistry teachers' views about the use of Kahoot in the nuclear chemistry course. Balıkesir University, Balıkesir, Turkey. https://drive.google.com/file/d/1\_yQTkTZttsJ1ia1DX-KWhnijSkY5XSFQ/view?usp=sharing

22. *M.S. Nuriyeva*. Formation methodology of students' constructive learning activities in teaching the theme of chemical equilibrium. Azerbaijan State Pedagogical University, Baku, Azerbaijan.

23. E.Yu. Nevskaya, Yu.V. Kozhukhova. Teaching the course «Chemistry» at RUDN University in the context of distance learning. RUDN University, Moscow, Russia.

24. A.G. Patseeva, O.I. Sechko. Non-formal education: past or future? Belarusian State University of Informatics and Radioelectronics, Minsk, Belarus; Belarusian State University, Minsk, Belarus. https://drive.google.com/file/d/1db\_hgbneuK1q1h2kYx7nNi3e\_OJB7Erz/view?usp=sharing

25. O.V. Poddubnaya. Study of the discipline «Chemistry» using ICT students of agricultural specialties. Belarusian State Agricultural Academy Gorki, Belarus. https://drive.google.com/file/d/1vK0UA8zpmy0KwwMjBa02tCo7jjCAU5Q4/view?usp=sharing

26. *M.P. Simonova-Lobanok*. Promising directions for improving the quality of students' knowledge on the subject «Chemistry». Belarusian National Technical University, Minsk, Belarus. https://drive.google.com/file/d/1wxLhKquO3tgldwrEyKMNtym-dennU5AQ/view?usp=sharing

27. A.M. Stikhova. Assessment and supervision of students' independent work in chemistry at higher school. FGBOU VO F. F. Ushakov State Maritime University, Russia, Novorossiysk. https://drive.google.com/file/d/1gODExeApUCLWSvi2LPq-FO0gJnL1ZGaK/view?usp=sharing

28. N.V. Sukhankina, V.E. Ogorodnik. The role of pedagogical practice in the formation of professional and methodological competence of the future chemistry teacher. Belarusian State Pedagogical University named after M. Tank, Minsk, Belarus.

29. L.E. Trigorlova, N.N. Luzgina Organization of the educational process at the stage of preuniversity training using electronic educational resources. Vitebsk State Order of Peoples' Friendship Medical University, Vitebsk, Belarus.

https://drive.google.com/file/d/1yMbbwVS3A660RraAbyBfdvsQIOQwZGbj/view?usp=sharing

*30. J.A. Tsobkalo.* School of young chemist in the system of vocational guidance of the University: propaedeutic approach. Belarusian State University, Minsk, Belarus

*31. E.I. Vasilevskaya, D.V. Sviridov.* Methodological work at the Department of Inorganic Chemistry of BSU: traditions and innovations. Belarusian State University, Minsk, Belarus.

https://drive.google.com/file/d/1Lf\_PrLn9cdhb8uuU0jCc47PGLtKJTFdR/view?usp=sharing

*32. O.G. Yaroshenko.* Evaluation of teaching activity as a component of internal quality assurance in higher education. Institute of Higher Education of the National Academy of Educational Sciences of Ukraine, Kyiv, Ukraine.

*33. V.U. Zhylko, N.V. Nekhan.* Extraction-photometric analysis in a laboratory experiments of chemical disciplines. Belarusian State University, Minsk, Belarus.