



UI GreenMetric Questionnaire

University : Baku State University
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[7] Governance and Digitalization (GD)

[7.20] LMS-Enabled Digital Literacy Program (GD.12)



Example of Digital Literacy programs at Baku State University: access to digital libraries around the world; and information literacy introduction for new students

Component	Description	Implementation Status
Program Overview	A comprehensive LMS-enabled digital literacy program designed to enhance digital competencies of students and academic/administrative staff across the university.	Fully implemented, evaluated, and currently under revision



Integration with LMS	The program is fully embedded in the university's Learning Management System, providing centralized access to training modules, resources, assessments, and tracking tools.	Fully operational
Target Groups	Students, academic staff, and administrative personnel across all faculties and departments.	Institution-wide coverage
Student Digital Skills Development	Focus on digital communication, online learning tools, information literacy, cybersecurity awareness, LMS usage, academic integrity, and digital collaboration.	Implemented and ongoing
Staff Capacity Building	Training in digital pedagogy, LMS-based course design, online assessment methods, student engagement strategies, and use of digital teaching tools.	Fully implemented and continuous
Learning Content Areas	Includes digital literacy, e-learning tools, data handling, information security, online collaboration platforms, and responsible use of digital technologies.	Structured and regularly updated
Monitoring & Tracking	LMS provides analytics and tracking of participation, completion rates, and learning outcomes for continuous monitoring.	Active monitoring system
Evaluation Mechanism	Program effectiveness is assessed through feedback surveys, usage analytics, and performance evaluations.	Regularly evaluated
Continuous Improvement	Program content and delivery methods are continuously revised based on evaluation results and evolving digital education needs.	Ongoing revision process
Institutional Impact	Strengthens digital transformation, improves teaching and learning quality, and enhances institutional digital readiness.	Positive institutional integration
Overall Status	A structured and sustainable digital literacy initiative embedded in institutional learning systems.	Fully implemented, evaluated, and continuously improved

Description:

Baku State University has implemented a comprehensive LMS-enabled Digital Literacy Program aimed at strengthening the digital competencies of both students and academic/administrative staff. The program is fully integrated into the university's learning management system (LMS) and supports the development of essential digital skills required for effective participation in modern higher education, research, and administrative processes.

The program focuses on enhancing competencies in areas such as digital communication, online learning tools, information literacy, data handling, cybersecurity awareness, collaborative platforms, and the effective use of LMS functionalities. It ensures that participants are able to efficiently navigate digital learning environments, access academic resources, submit assignments, and engage in interactive learning activities.



For academic staff, the program provides structured training on digital teaching methodologies, LMS course design, online assessment tools, student engagement strategies, and integration of digital resources into curriculum delivery. This strengthens the overall quality of teaching and supports innovation in pedagogical practices.

For students, the program builds capacity in self-directed learning, digital collaboration, responsible online behaviour, academic integrity in digital environments, and effective use of educational technologies. This contributes to improved learning outcomes and increased engagement in blended and online learning formats.

The implementation of the program is supported through the university's LMS infrastructure, which provides centralized access to training modules, instructional materials, assessments, and progress tracking tools. This enables continuous monitoring of participation and learning outcomes.

The program is systematically evaluated through feedback mechanisms, usage analytics, and performance assessments, allowing the university to identify areas for improvement and update content in line with evolving digital education trends and institutional needs. Based on these evaluations, the program is currently undergoing continuous revision and enhancement to ensure relevance, effectiveness, and alignment with international digital education standards.

Overall, the LMS-enabled digital literacy program at Baku State University is fully implemented, regularly evaluated, and continuously improved, contributing to institutional digital transformation, teaching quality enhancement, and the development of a digitally competent academic community.

Baku State University (BSU) has established a comprehensive institutional framework for the implementation of Digital Literacy programs aimed at strengthening students', researchers', academic staff's, and prospective learners' digital competencies in education, research, innovation, communication, and professional development. The university recognizes digital literacy as a key component of sustainable higher education and integrates digital skills development into academic curricula, scientific research, library systems, career services, cybersecurity awareness, and international cooperation activities.



At the foundational level, BSU promotes digital inclusion and equal access to information through its Scientific Library and digital learning infrastructure. The university expanded access to international academic databases, including JoVE and the Ongoing Research Index, allowing students and researchers to benefit from scientific video materials, international research

repositories, citation resources, and collaborative academic platforms. Electronic database presentations and digital library orientation sessions are regularly organized to improve students' abilities in online research, academic search strategies, digital referencing, information evaluation, and the ethical use of scientific resources. These activities strengthen information literacy and support evidence-based learning across all academic disciplines.





The university's Learning and Development Center plays a major role in advancing digital literacy through professional development programs, workshops, lifelong learning initiatives, and practical training sessions. Students and academic staff participate in programs focusing on digital communication, online collaboration, project management, digital presentation skills, proposal writing, and research methodologies. These initiatives enhance both technical and transferable competencies required in contemporary academic and professional environments.



BSU also implements targeted activities to improve digital employability and career readiness. In cooperation with the State Employment Agency and industry partners, the university organizes training sessions on effective LinkedIn profile development, digital personal branding, online networking, and professional communication. Career fairs, industry-oriented seminars, and partnerships with institutions such as the Azerbaijan Industrial Bank create

opportunities for students to gain practical experience in digital workplaces, internships, and technology-supported professional environments.

A significant component of BSU's Digital Literacy implementation involves advanced technology education and digital innovation. The university regularly hosts scientific seminars and conferences dedicated to artificial intelligence, cybersecurity, digital transformation, telecommunications security, and emerging technologies. Students and researchers engage in discussions on AI applications in education, science, and industry, while cybersecurity-focused events improve awareness of digital safety, cyber ethics, data protection, cyber risk management, and responsible online behavior. These initiatives contribute to building digital resilience and preparing students for the rapidly evolving technological landscape.





BSU further promotes practical digital competencies through coding, innovation, and technology-oriented projects. The “Code for Future” initiative provided students with training in programming, software development, digital problem-solving, and innovation skills. Similarly, the “Smart Agro Technology” project introduced participants to smart irrigation systems, digital agricultural technologies, sustainable resource management, and data-driven environmental solutions. These programs demonstrate the university’s integration of digital literacy with sustainability, innovation, and interdisciplinary education.

Research and scientific engagement are also important pillars of BSU’s digital literacy ecosystem. Students actively participate in scientific research projects, innovation programs, laboratory work, conferences, and academic publishing activities that require the use of digital research tools, data analysis technologies, electronic databases, and collaborative online platforms. The inclusion of BSU journals in the EBSCO international database increases students’ and researchers’ exposure to global academic publishing standards and open-access scientific communication.

The university additionally supports digital literacy



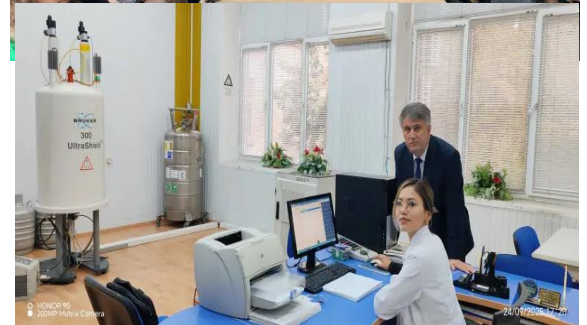
through modern library education and information management activities. BSU students participate in practical classes at the Central Scientific Library and educational visits to the Presidential Library to gain hands-on experience in digital archives, cataloguing systems, information retrieval technologies, and electronic information services. Scientific seminars on libraries’ role in education and cultural heritage preservation emphasize information literacy, digital archiving, and the importance of accessible knowledge systems in modern society.

Inclusiveness and equal participation remain central to BSU’s digital education strategy. The university’s Access and Participation Plan for women encourages greater involvement of women in STEM education, digital leadership, academic research, and technology-related programs. Mentorship activities, scholarship opportunities, and institutional support mechanisms promote gender equality and inclusive participation in digital transformation processes.



BSU's internationalization strategy further strengthens digital literacy implementation. Through memoranda of understanding with international universities, double-degree collaborations, academic mobility programs, and participation in international conferences such as ANKOSLink on "Library 5.0 and Human-Centered Digital Transformation," the university exchanges best practices in digital education, research technologies, academic publishing, and innovation management. International cooperation expands students' global competencies and supports alignment with international digital education standards.

The university also recognizes the connection between digital literacy and student well-being. Through its Health Support Service, BSU provides psychological support, awareness programs, and preventive services that contribute to healthy and responsible digital engagement. Additional awareness campaigns, including anti-drug initiatives and student development programs, strengthen students' social responsibility, ethical behavior, and balanced use of digital technologies.



Overall, Baku State University has developed a holistic and institution-wide approach to Digital Literacy that combines access to digital resources, technological innovation, cybersecurity awareness, digital research skills, professional networking, sustainability-focused technologies, inclusive participation, and international collaboration. Through these integrated efforts, BSU prepares students and staff to actively contribute to the digital knowledge economy, scientific advancement, sustainable development, and responsible digital citizenship at both national and global levels.

1) New-student and baseline training

- ❖ The link highlights that the Scientific Library of Baku State University has obtained free trial access to two major international academic databases — JoVE and the Ongoing Research Index. These platforms enhance research opportunities for faculty, students, and young researchers by providing scientific video resources, research project databases, and collaboration opportunities. For more information click the link below:

<https://sdg.bsu.edu.az/news/bsu-scientific-library-gains-free-access-to-two-international-academic-databases>

- ❖ Baku State University introduced an Access and Participation Plan aimed at strengthening women's inclusion in higher education, especially in STEM fields. The initiative focuses on mentorship, leadership development, scholarships, gender equality policies, and monitoring women's participation in academic and administrative roles. For more information click the link below:



<https://sdg.bsu.edu.az/news/access-and-participation-plan-for-women-applications,-acceptance,-and-participation-at-baku-state-university>

- ❖ The Learning and Development Center at Baku State University supports students and staff through professional training, academic development programs, workshops, and skills enhancement activities. The center contributes to lifelong learning and capacity building aligned with sustainable education goals. For more information click the link below:
<https://sdg.bsu.edu.az/learning-development-center>
- ❖ Baku State University organized an information session for prospective students to introduce the university's academic programs, scholarship opportunities, campus facilities, and career development prospects. The event aimed to help applicants make informed decisions about their higher education pathways. For more information click the link below:
<https://sdg.bsu.edu.az/news/prospective-students-informed-about-educational-opportunities-at-bsu>
- ❖ The next NewsLab training program jointly organized by Baku State University and ARB24 TV channel has officially started. The program provides students with practical journalism, media production, and digital communication skills through professional training and hands-on experience. For more information click the link below:
<https://sdg.bsu.edu.az/news/the-next-news-lab-training-program-by-bsu-and-arb24-tv-channel-has-started>
- ❖ Baku State University and the Azerbaijan Industrial Bank (AIB) expanded cooperation to support students' career development. The partnership focuses on internships, professional training, employment opportunities, and strengthening university-industry collaboration. For more information click the link below:
<https://sdg.bsu.edu.az/news/bsu-and-aib-expand-cooperation-on-students-career-development>
- ❖ An awareness training on labor rights and legislation was held at Baku State University to increase students' understanding of employment laws, workers' rights, and legal responsibilities in the workplace. The training aimed to improve legal literacy and prepare students for professional careers. For more information click the link below:
<https://sdg.bsu.edu.az/news/awareness-training-on-labor-rights-and-legislation-held-at-bsu>

2) Digital access and search skills

- ❖ A representative of the State Employment Agency delivered a training session at Baku State University focused on creating effective LinkedIn profiles. The training aimed to improve students' professional networking skills, digital visibility, and employment opportunities in the modern labor market. For more information click the link below:



<https://sdg.bsu.edu.az/news/state-employment-agency-representative-delivers-training-on-effective-linkedin-profile-development-at-bsu>

- ❖ The training titled “Discovering Individual Potential” was organized at Baku State University to help students identify their personal strengths, leadership qualities, and career interests. The program supported students’ self-development, motivation, and future career planning. For more information click the link below:
<https://sdg.bsu.edu.az/news/training-at-bsu-discovering-individual-potential>
- ❖ Baku State University organized a training on project management and proposal writing to strengthen students’ and young researchers’ practical skills in developing successful projects and grant applications. The session focused on planning, budgeting, teamwork, and effective proposal preparation. For more information click the link below:
<https://sdg.bsu.edu.az/news/training-on-project-management-and-proposal-writing-held>
- ❖ Baku State University students actively participate in scientific research through conferences, laboratory activities, innovation projects, and academic publications. These opportunities help students develop research skills, critical thinking, and practical scientific experience while contributing to the university’s research environment. For more information click the link below:
<https://sdg.bsu.edu.az/news/bsu-students-actively-participate-in-scientific-research>

3) Access to Digital Library Around The World

- ❖ Baku State University participated in the ANKOSLink International Conference titled “Library 5.0 and Human-Centered Digital Transformation,” where representatives discussed modern library systems, digital transformation, artificial intelligence, and international cooperation in academic publishing and librarianship. The conference promoted knowledge exchange and innovative approaches in higher education libraries. For more information click the link below:
<https://sdg.bsu.edu.az/news/bsu-participates-in-the-ankoslink-international-conference-titled-library-5.0-and-human-ventered-digital-transformation>
- ❖ Baku State University donated books to the Heydar Aliyev Education Center under Kars Caucasus University and the Iğdır Azerbaijan House. The initiative aimed to strengthen educational and cultural cooperation, support academic exchange, and promote Azerbaijani literature and knowledge resources internationally. For more information click the link below:
<https://sdg.bsu.edu.az/news/a-book-donation-from-bsu-was-made-to-the-heydar-aliyev-education-center-under-the-gars-caucasus-university-and-the-ighdir-azerbaijan-house>
- ❖ BSU students visited the Presidential Library to gain practical insights into library management, archival systems, and digital information resources. The visit contributed to students’ academic development and increased their understanding of modern information services. For more information click the link below:



<https://sdg.bsu.edu.az/news/students-visit-the-presidential-library>

- ❖ One of Baku State University's academic journals was included in the international EBSCO database, increasing the global visibility and accessibility of the university's scientific research. This achievement supports international academic recognition and expands opportunities for researchers and scholars. For more information click the link below:
<https://sdg.bsu.edu.az/news/baku-state-universitys-journal-has-been-included-in-the-ebSCO-international-database>
- ❖ A presentation of an electronic information database was held at Baku State University to introduce students and researchers to digital academic resources, research tools, and modern information management systems. The initiative supports digital literacy and access to scientific information. For more information click the link below:
<https://sdg.bsu.edu.az/news/presentation-of-the-electronic-information-database>
- ❖ A scientific seminar at BSU explored the role of school libraries in supporting education and improving access to information. Discussions focused on the importance of libraries in developing reading culture, information literacy, and educational quality for students and teachers. For more information click the link below:
<https://sdg.bsu.edu.az/news/scientific-seminar-at-bsu-the-role-of-school-libraries-in-the-information-support-of-education>
- ❖ BSU students participated in a practical class at the Central Scientific Library, where they gained hands-on experience in library services, cataloging systems, academic databases, and information management practices. The activity strengthened students' practical and research skills. For more information click the link below:
<https://sdg.bsu.edu.az/news/bsu-students-participate-in-a-practical-class-at-the-central-scientific-library>
- ❖ Baku State University participated in the 11th Baku International Book Fair by presenting books, journals, textbooks, and scientific publications produced by the university. The event promoted BSU's academic achievements, publishing activities, and engagement with students, researchers, and the wider public. For more information click the link below:
<https://sdg.bsu.edu.az/news/bsu-participates-in-the-11th-baku-international-book-fair>

4) Cybersecurity awareness with digital citizenship framing

- ❖ A staff member of Baku State University participated in a roundtable discussion on cybersecurity in the telecommunications sector organized by the Azerbaijan Cybersecurity Organizations Association. The event focused on cyber threats, information security, regulatory mechanisms, and



strengthening human capital in cybersecurity, highlighting the important role of universities in developing qualified specialists in this field. For more information click the link below:

<https://sdg.bsu.edu.az/news/a-bsu-staff-member-participated-in-an-event-on-the-topic-of-cybersecurity-in-the-telecommunications-sector>

- ❖ BSU staff published a brochure titled “Methodology for Calculating Biomass and Carbon Sequestration Potential in Azerbaijan Forests.” The publication presents scientific methods for assessing forest biomass and carbon storage capacity, contributing to environmental research, climate action, and sustainable management of natural resources in Azerbaijan. For more information click the link below:
<https://sdg.bsu.edu.az/news/methodology-for-calculating-biomass-and-carbon-sequestration-potential-in-azerbaijan-forests-brochure-published-by-bsu-staff>
- ❖ A scientific session on the use of artificial intelligence technologies was held at Baku State University to discuss modern AI applications, technological innovation, and digital transformation. Researchers and academics exchanged views on the role of artificial intelligence in education, science, and industry, while emphasizing the importance of developing students’ technological skills and research capacity. For more information click the link below:
<https://sdg.bsu.edu.az/news/a-scientific-session-on-the-use-of-artificial-intelligence-technologies-was-held-at-bsu>

5) Structured cyber capacity building through idCARE.UI

- ❖ A discussion was held at Baku State University on developing students’ skills in the field of cybersecurity. The event focused on digital security awareness, cyber risk management, professional training opportunities, and preparing students for careers in information security and modern technologies. For more information click the link below:
<https://sdg.bsu.edu.az/news/development-of-baku-state-university-students-skills-in-the-field-of-cybersecurity-discussed>
- ❖ “Empowering Decision-Makers” highlights Baku State University’s outreach, education, and capacity-building initiatives aimed at supporting policymakers and professionals. Through workshops, seminars, training programs, and research-based policy recommendations, BSU contributes to informed decision-making on issues such as economics, law, migration, technology, and climate change. For more information click the link below:
<https://sdg.bsu.edu.az/news/empowering-decision-makers>
- ❖ A scientific seminar on the activities of the Republican Youth Library was held at Baku State University to discuss the role of libraries in youth education, information access, reading culture, and academic development. The seminar emphasized the importance of modern library services in supporting students and promoting lifelong learning. For more information click the link below:



<https://sdg.bsu.edu.az/news/scientific-seminar-on-the-activities-of-the-republican-youth-library-held-at-bsu>

- ❖ The next specialized career fair titled “A Bridge Toward a Professional Future” was organized at Baku State University to connect students and graduates with employers, internship opportunities, and professional development programs. The event supported career planning, employment readiness, and stronger cooperation between academia and industry. For more information click the link below:

<https://sdg.bsu.edu.az/news/the-next-specialized-career-fair-entitled-a-bridge-toward-a-professional-future-was-held-at-bsu>

- ❖ The next training session of the “Smart Agro Technology” project was held at Baku State University within the framework of a Youth Foundation-supported initiative. The training focused on modern agricultural technologies, smart irrigation systems, food security, and sustainable water management. Participants gained practical experience in developing prototype smart irrigation solutions and explored innovative approaches to sustainable agriculture. For more information click the link below:

<https://sdg.bsu.edu.az/news/the-next-training-of-the-smart-agro-technology-project-has-been-held-at-bsu>

- ❖ An awareness event titled “Drug Addiction – White Death” was organized at Baku State University to educate students about the harmful physical, psychological, and social effects of drug addiction. University representatives and students discussed prevention measures, public awareness, and the importance of promoting a healthy lifestyle among young people. The event aimed to strengthen anti-drug awareness and social responsibility within the student community. For more information click the link below:

<https://sdg.bsu.edu.az/news/event-at-bsu-drug-addiction---white-death>

Additional evidence link:

- ❖ The Health Support Service at Baku State University provides students and staff with medical consultations, psychological support, health awareness programs, and preventive healthcare services. The service promotes physical and mental well-being, healthy lifestyles, and access to essential health assistance within the university community. For more information click the link below:

<https://sdg.bsu.edu.az/health-support-service>

- ❖ Baku State University announced the “Young Scientist of the Year” nomination competition to encourage scientific research and recognize outstanding achievements of young researchers. The initiative supports innovation, academic excellence, and the development of future scientists. For more information click the link below:

<https://sdg.bsu.edu.az/news/bsu-announces-the-young-scientist-of-the-year-nomination-competition>



- ❖ Prospective students were informed about educational opportunities at BSU through presentations on academic programs, admission procedures, scholarships, student life, and career prospects. The event aimed to guide applicants in making informed higher education choices. For more information click the link below:
<https://sdg.bsu.edu.az/news/prospective-students-informed-about-educational-opportunities-at-bsu>
- ❖ The Faculty of Ecology and Soil Science at Baku State University reported productive scientific activity over the past year, including research projects, scientific publications, international cooperation, and environmental studies focused on sustainability and ecological protection. For more information click the link below:
<https://sdg.bsu.edu.az/news/last-year,-the-scientific-activity-of-the-faculty-of-ecology-and-soil-science-of-baku-state-university-was-productive>
- ❖ A public hearing on science and higher education was held at BSU to discuss reforms, educational quality, research development, and future priorities in the higher education sector. The event brought together academics, experts, and policymakers for open dialogue and recommendations. For more information click the link below:
<https://sdg.bsu.edu.az/news/public-hearing-on-science-and-higher-education-held-at-bsu>
- ❖ Baku State University implemented an Access and Participation Plan to support women's inclusion in higher education and increase participation in academic and leadership positions. The initiative promotes gender equality, equal opportunities, and women's empowerment in education. For more information click the link below:
<https://sdg.bsu.edu.az/news/access-and-participation-plan-for-women-applications,-acceptance,-and-participation-at-baku-state-university>
- ❖ A series of trainings dedicated to integrating the Sustainable Development Goals (SDGs) into education and research at BSU was successfully completed. The trainings enhanced awareness of sustainability principles and encouraged the incorporation of SDGs into teaching, research, and institutional activities. For more information click the link below:
<https://sdg.bsu.edu.az/news/the-series-of-trainings-dedicated-to-the-integration-of-sdg-into-education-and-research-at-bsu-has-been-successfully-completed>
- ❖ Baku State University and Astana International University signed a Memorandum of Understanding to strengthen cooperation in education, scientific research, academic mobility, and international partnership initiatives. For more information click the link below:
<https://sdg.bsu.edu.az/news/bsu-and-astana-international-university-sign-memorandum-of-understanding>
- ❖ Collaboration on the double degree program between BSU and international partner universities continues, creating opportunities for students to receive internationally recognized education, participate in academic exchange, and strengthen global competencies. For more information click the link below:
<https://sdg.bsu.edu.az/news/collaboration-on-the-double-degree-program-continues>.



- ❖ An international forum on the history of teaching Arabic in the Caucasus and Central Asia was held at BSU, bringing together scholars and researchers to discuss linguistic heritage, educational traditions, and intercultural academic cooperation. For more information click the link below:
<https://sdg.bsu.edu.az/news/international-forum-on-the-history-of-teaching-arabic-in-the-caucasus-and-central-asia-held-at-bsu>
- ❖ The chairman of BSU Volunteers stated that the organization has become a favorable platform for students' development by supporting leadership, teamwork, social responsibility, and active participation in university and community initiatives. For more information click the link below:
<https://sdg.bsu.edu.az/news/the-chairman-of-bsu-volunteers-our-organization-has-become-a-favorable-platform-for-students-development>.
- ❖ Baku State University signed a Memorandum of Understanding with Kazakhstan's International Engineering-Technological University to expand cooperation in research, innovation, academic exchange, and joint educational activities. For more information click the link below:
<https://sdg.bsu.edu.az/news/bsu-signs-memorandum-of-understanding-with-kazakhstans-international-engineering-technological-university>
- ❖ BSU's International Cooperation and Global Partnerships initiatives focus on strengthening relations with foreign universities, research institutions, and international organizations through exchange programs, joint projects, conferences, and academic collaboration. For more information click the link below:
<https://sdg.bsu.edu.az/international-cooperation-and-global-partnerships>
- ❖ In an interview, a young scientist shared that the research initiated at Baku State University continued at Italy's National Institute of Nuclear Physics, demonstrating BSU's contribution to preparing internationally competitive researchers and supporting global scientific careers. For more information click the link below:
<https://sdg.bsu.edu.az/news/young-scientist-i-continued-the-research-i-started-at-bsu-at-italys-national-institute-of-nuclear-physics--interview>
- ❖ The "Code for Future" project graduation day was held at BSU, celebrating students who completed training programs in programming, digital technologies, and innovation. The project supports youth digital skills and future career opportunities in technology fields. For more information click the link below:
<https://sdg.bsu.edu.az/news/the-code-for-future-project-graduation-day-at-bsu>
- ❖ BSU hosted a scientific seminar on the role of libraries in preserving cultural heritage, emphasizing the importance of libraries in safeguarding historical documents, promoting cultural memory, and supporting education and research. For more information click the link below:
<https://sdg.bsu.edu.az/news/bsu-hosts-scientific-seminar-on-the-role-of-libraries-in-preserving-cultural-heritage>