



# RESEARCH NEWSLETTER

OFFICE OF THE PROVOST - RESEARCH ADMINISTRATION  
QUARTERLY EDITION

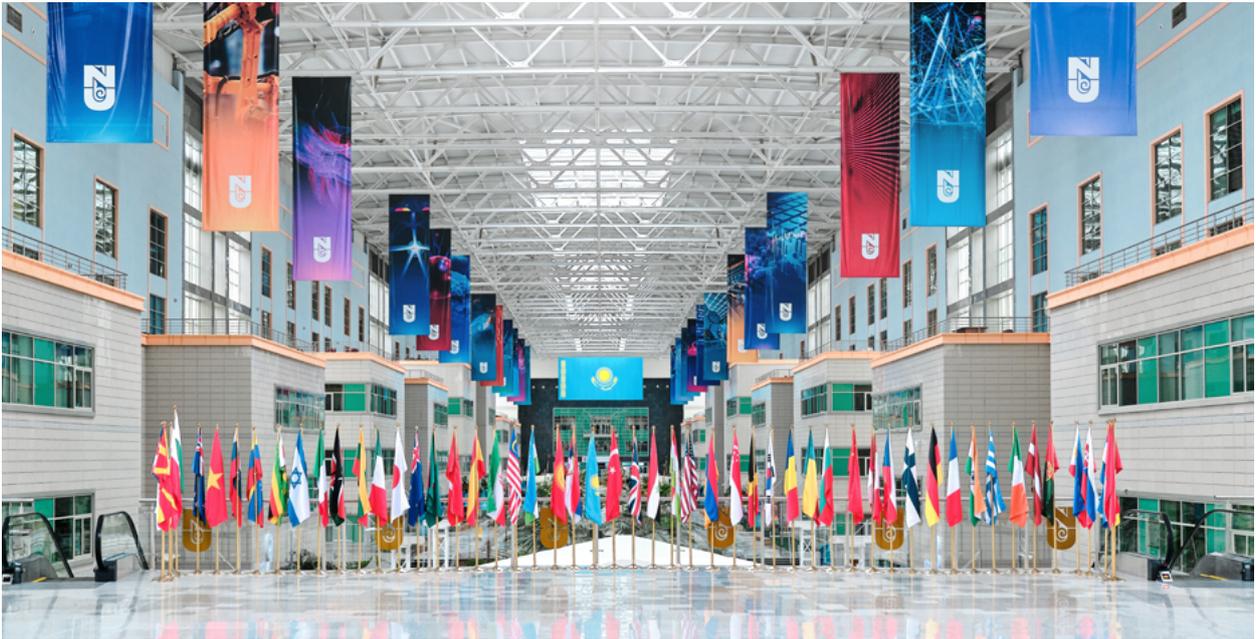
September 30, 2023 | Issue 40



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# NU ACHIEVES HISTORIC MILESTONE IN WORLD UNIVERSITY RANKINGS



September 28th marks a significant milestone in the history of Nazarbayev University, as the institution makes its first appearance in the prestigious Times Higher Education World Universities Ranking. NU has secured its place in the top 30 percent of world research-intensive universities, an exceptional achievement for a university with a mere 13-year history.

We extend our heartfelt congratulations to the entire NU community, including current students, faculty, and staff, as well as our alumni. This accomplishment is a testament to the unwavering dedication and focus demonstrated by our community over the past 13 years in the pursuit of excellence and the establishment of a world-class institution for Kazakhstan.

NU's deliberate choice of the Times Higher World University Ranking reflects our commitment to the most rigorous assessment criteria for research-intensive universities. We pledge to maintain and elevate our standards in both research and teaching, striving to further amplify our positive societal impact within Kazakhstan and the surrounding region.

Aligned with our strategic vision, by 2030, NU aspires to ascend into the top 20 percent of world research-intensive universities, reinforcing our commitment to fostering excellence in education, research, and innovation, and contributing significantly to the advancement of our community and the global academic landscape.

# RESEARCH DAYS AT NU



The Office of the Provost is pleased to invite you to the Research Days event - an open house for NU research that brings together the brightest minds and fosters meaningful interdisciplinary connections among researchers across the university. Mark your calendars and join us for two days of exploration, innovation, and collaboration.

## **Day 1: October 16, 2023**

**Time: 1:00 pm - 6:00 pm**

**Venue: Main Hall, Nazarbayev University Campus**

Speakers Include:

- Professor Ilesanmi Adesida, Provost and Acting President, Nazarbayev University
- Professor John Rogers, Northwestern University, USA
- Professor Dinah Birch, University of Liverpool, UK
- Professor Charles Zukoski, University of Southern California, USA
- Professor Joep Konings, Dean, Graduate School of Business, Nazarbayev University

## **Day 2: October 17, 2023**

**Time: 9:00 am - 5:00 pm**

**Venue: Lower and Upper Atriums, Nazarbayev University Campus**

- Poster Sessions: Explore and engage with cutting-edge research projects.
- Visits to Research Labs and Centers: Get an insider's view of the innovative work happening in our state-of-the-art facilities.

Don't miss this exceptional opportunity to immerse yourself in the world of research, exchange ideas, and discover the latest breakthroughs in various fields.



# Graduate School of Business News

## RESEARCH DIGEST OVER JULY–SEPTEMBER 2023 EVENTS



On August 18–19, GSB participated in the organization of the [Academic Leadership Institute](#) with lectures on the topics of change management, marketing, and risk management. This project was developed by NU Graduate School of Education at the initiative of the Kazakh Ministry of Science and Higher Education. The program, launched in April 2023, consists of nine interactive modules and is set to continue until the end of October. Each session is dedicated to various processes involving the adaptation of universities to changes. During the course, presidents and provosts worked in groups, attend expert lectures, engage in practical problem-solving, and exchange experiences.



On September 6, GSB hosted Sharon Waxman, the president and CEO of the “Fair Labor Association” with the lecture “Business and Human Rights: Who is responsible for workers’ rights in global supply chains?”



On September 8, GSB hosted a session by the Founding President of NU Shigeo Katsu on “Sustainable Development and Business”.

On September 14, GSB's Associate Professor of Accounting Doron Israeli conducted Ph.D. Open House Day for the new doctoral candidates.

On September 16, GSB participated in NU Open House Day with Bektemir Ysmailov who presented «Investing 101: The basics of Investing», Mustafa Karatas who presented «A strategic approach to consumer behavior and customer types», and a Panel Session with the Alumni.



On September 22, GSB conducted a guest lecture by a Regional Finance Director at Wabtec Corporation Assem Zhakipova on the theme of «Navigating Career Challenges». During the lecture, Assem shared her insights, challenges, and strategies for success in the corporate world.

On September 25, the Nazarbayev University Center for Leadership (NU LEAD) in partnership with NU GSB will be hosting its first leadership roundtable discussion “Skills for effective leadership across industries”. The invited guests are Ivan Serdyuk (Deputy Director Monetary Operations Department National Bank of Kazakhstan), Danara Aituganova (Founder EYWAKZ\_Business Coach & Transformatonal Games Practitioner), Aidar Shoqan Valihanov (CEO 8020\_Agency).



On September 26, GSB is hosting a guest lecture by the Prosci® Certified Advanced Instructor, Partner, and Change Central Asia, Farkhad Manteyev. Lecture topic: “The role of top management in the successful implementation of transformational projects”.

On October 11, GSB will be hosting an upcoming research workshop/seminar with Southwestern University of Finance and Economics (SWUFE) from China: Faculty from GSB and faculty from SWUFE will be presenting research works during a whole day of seminars.

Starting from September 22, GSB is going to conduct several Business Talks and Business Breakfasts in other parts of Kazakhstan:

- Aktau, September 22, Fernando Bernestein (Duke University) on “Business Processes and Bottlenecks: Ideas for Process Improvement”
- Almaty, September 28, Fernando Bernestein on “Business Processes and Bottlenecks: Ideas for Process Improvement”
- Almaty, September 29, lunch with Almaty Alumni
- Shymkent, September 30, Venkat Subramanian on “Strategy Innovation in Emerging Markets”.

## AWARDS AND GRANTS

- In the summer semester, Business 101 Instructor Team—Saniya Barbolova, Moldir Kaiynbayeva, Zharaskhan Temirkhanov, Aigerim Zhangozina, and Tim Wawn—won the 2023 NU Teaching Award for *Innovative Teaching*.
- Roza Nurgozhayeva, David DeRemer, Denis de Crombrugghe, and Yerken Turganbayev have been awarded an MES grant (2023–2025). Their proposal was ranked in the top 10 percent among all the proposals.

## MEDIA COVERAGE

The Academic.com published David DeRemer's [policy brief](#) on his Journal of Economic Behavior & Organization paper on Almaty air pollution

The summary mentions how plans to modernize Almaty coal plans should consider how air pollution distorts economic decisions and not just the long-term health impacts of air pollution.

## RESEARCH SEMINARS

- On September 6, Alexander Krasnikov (NUGSB) presented a project “The Impact of US-Chinese Trade War on International Strategic Alliances’ Value Creation and Appropriation” (Marketing).
- On August 25, Jonathan Berkovitch (LUISS Guido Carli University) presented a project “Firms’ Tweets and Stock Price Discovery” (Accounting).

## PUBLICATIONS AND ACCEPTED PAPERS

- Tom Vinaimont had his paper accepted in the *Critical Finance Review* (an A journal on the GSB list), joint with Lasse Bork, Pablo Kaltwasser, and Piet Sercu. The title of the paper is «Can Exchange Rates Really Forecast Commodity Prices?»
- Aigerim Yergabulova and Venkat Subramanian had their paper accepted in the *International Journal of Manpower*, joint with Dinara Alpysbayeva. The title of the paper is on «Wage dispersion and firm performance: evidence from Kazakhstan».
- Shumaila Yousafzai had her paper accepted in *Human Relations* (the journal is on the FT50 list and is ranked as Scopus Q1 top 2 percentile). The title of the paper is «Navigating the twisted path of gaslighting: A manifestation of epistemic injustice for Palestinian women entrepreneurs».



# Graduate School of Public Policy News

## **NAZARBAYEV UNIVERSITY HOSTED A RESEARCH WORKSHOP TO DEVELOP RESEARCH FUNDING PROPOSALS ON THE PROCESSING OF CRITICAL RAW MATERIALS**

On September 5, 2023, the Science Fund, Nazarbayev University, and the National Sustainable Development Solutions Network Kazakhstan (SDSN Kazakhstan), in collaboration with the National Coordination Center for Horizon Europe in Kazakhstan, had extended invitations to media representatives to cover and participate in the inaugural workshop dedicated to the past challenges and opportunities in the field of exploration and extraction of critical raw materials.

During the workshop, three pivotal challenges in the extraction of critical minerals were addressed, including compliance with due diligence requirements across raw material supply chains, research into critical minerals found in deep deposits, and the development of technologies for their extraction and processing.

Leading scientists, business representatives, and key stakeholders had the opportunity to exchange ideas, experiences, and knowledge. The seminar was attended by representatives of the Ministry of Science and Higher Education of the Republic of Kazakhstan, Science Fund JSC, Center for International Programs JSC, national companies KazAtomProm and Tau-Ken Samruk, Zhezkazganredmet, as well as representatives from academic and diplomatic organizations.

A global initiative of the Sustainable Development Solutions Network (SDSN) was launched by the UN in 2012 to mobilize global scientific and technological expertise to promote practical problem-solving for sustainable development and implement the Sustainable Development Goals (SDGs). The SDSN Kazakhstan had been officially inaugurated on June 8, 2022, on the premises of the Graduate School of Public Policy, Nazarbayev University (GSPP NU). The University had actively promoted the achievement of the SDGs and the implementation of the principles of sustainable development in educational processes. For example, 33.8% of all publications and research by Nazarbayev University had been aimed at achieving the SDGs.

*SHARED BY SERIK ORAZGALIYEV*

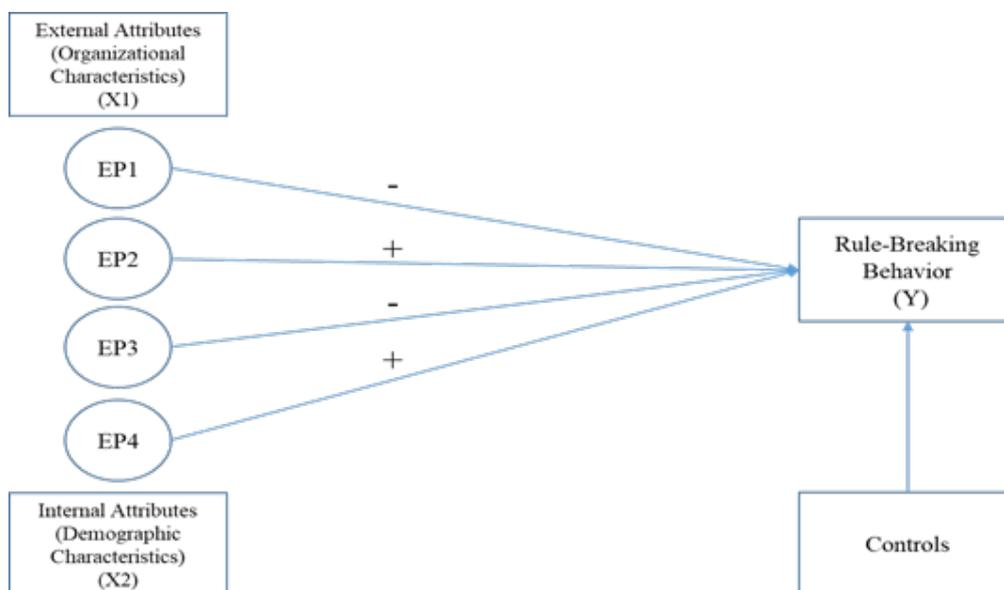
# PUBLIC AGENTS' EMPOWERMENT AND RULE-BREAKING BEHAVIORS: EVIDENCE FROM PANEL ANALYSIS OF U.S. FEDERAL AGENCIES

SHARED BY HYESONG HA



Public agent (un)ethical behavior or ethical leadership has been a topic of interest as well as a hot debate in terms of “bounded ethicality” in complex organizations (DeMatthews & Serafini, 2021; Chugh & Kern, 2016; Chugh, Bazerman, & Banaji, 2005)<sup>1</sup>. To explain public agents’ rule-breaking behavior (DV) that are measured by termination rate for discipline/performance in agency level, we focus on four empowerment practices (EPs) as organizational characteristics. To estimate empowerment practices’ effects on the rule-breaking behaviors in agency level, we set up a panel dataset over 7 years from FY2006, FY2008, and FY2010-FY2014 from three different sources as explained in the data section. After conducting various tests on basic assumptions and model specifications, the panel model with heteroscedasticity and auto-regression (AR) is run. The result showed that the empowerment practice of discretion (EP4) increasing 1 unit increases the termination rate by 0.546. This implies that an agency with over-empowerment or excessive discretion might be more likely to make rule-breaking behaviors and to have more termination rate than an agency that is not. Therefore, from the agency level data in the public sector, this study provided an empirical evidence for the deLeon-Denhardt-Terry’s loose cannons or rule breakers. In other words, public agents who may have too much discretion and who indulge in risk-taking behaviors for efficiency or performance can be loose cannons, rule breakers, or self-promoters.

Figure 1. Model Diagram: Four Empowerment Practices



<sup>1</sup>Bounded ethicality is defined as “the systematic and ordinary psychological processes of enhancing and protecting our ethical self-view, which automatically, dynamically, and cyclically influence the ethicality of decision-making” (Chugh & Kern, 2016, p.86)

Despite its limitations, this study provides an initial attempt to evaluate the empowerment practices' unintentional side effects such as public employee's dysfunctional behaviors or rule-breaking behaviors in agency level. Many studies including Fernandez and Moldogaziev (2010, 2012 & 2013) have emphasized on employee empowerment's positive effects on organizational outcomes such as organizational commitment, turnover, job satisfaction, performance, innovativeness etc., but very few focused on its unintended side effects such as risk-taking or rule-breaking behaviors in the public sector. The contribution is that the uniqueness of this study setting further allows us to observe public employee's dysfunctional behavior using panel regression methods. The evidence of a substantial negative impact on employee's risk-taking behavior and rule-breaking behavior is undoubtedly bad news for advocates of new public management (NPM)-type reform. This study provides additional evidence of such unethical behaviors (DeMatthews, & Knight, 2019; Patrick, Plagens, Rollins, & Evans, 2018; Heilig & Darling-Hammond, 2008; Booher-Jennings, 2005). So, the current study results raise doubts that the empowerment as a NPM-type reform was successful in developing more effective personnel processes or more motivated public employees. Consequently, this finding has significant implications for both the empowerment and new public management literature and organizational behavior and public human resources literature. Policy makers and HR manager should recognize the possibility of negative unintended consequences of over-empowerment or excessive discretion practices in public organization.

The full article can be read by the following academic reference:

Ha, H. & Hur, H. (2023). Public Agents' Empowerment and Rule-Breaking Behaviors: Evidence from Panel Analysis of U.S. Federal Agencies. *Public Organization Review*.

DOI: <https://doi.org/10.1007/s11115-023-00743-z>

# Central Asian Research Centre for Educational Innovation & Transformation

## CENTRAL ASIAN RESEARCH CENTRE FOR EDUCATIONAL INNOVATION AND TRANSFORMATION (CARCEIT) IS ON THE MOVE!



Since its establishment in November of 2022, CARCEIT has been rapidly advancing towards its vision of becoming the foremost education research center in Central Asia through genuine research collaboration. It aims to facilitate the creation and dissemination of educational research across Central Asia, contribute to research-informed innovation in education policy and practice in Kazakhstan and the region, and promote the development of national and regional networks, systems, and capabilities for advancing education research.

CARCEIT supports promising research projects that aim to make an impact in five key areas:

- 1. Contribution to global knowledge and theory:** CARCEIT's projects contribute to global education knowledge and theory through international publications, conferences, workshops, and debates.
- 2. Education policy:** CARCEIT engages with policymakers to influence education policies development, ensuring accessibility to research findings in preferred languages to foster networks and consultations.
- 3. Educational leadership:** The center serves as a forum for innovation in educational leadership by involving policy makers, education leaders, and alumni in research-informed initiatives.
- 4. Education practice:** CARCEIT's research projects generate insights for education practices and facilitate connections among education practitioners, encouraging discussions and initiatives for improvement.
- 5. Development of a regional education research community and culture:** CARCEIT strives to build networks and capabilities for rigorous, inclusive, and culturally relevant education research development at both national and regional levels.

All the projects are expected to produce a specified number of publications in international peer-reviewed journals, and/or a predetermined number of local impact outputs. These outputs must directly contribute to the local community.



Currently, nine research projects are being funded in three key areas:

1. International Collaborative Education Project (ICEP): ICEP is a three-year grant that funds international research collaboration of high intellectual merit, bringing significant new knowledge and societal impact to Kazakhstan in the field of education.

Research Title	<b>Strengthening Regional Universities in Kazakhstan</b>
Principal Investigator (PI)	Ahmet Aypay, Professor of Education, Nazarbayev University Graduate School of Education (NU GSE)
Co-PI	Aida Sagintayeva, Dean of NU GSE
Co-PI	Peter Eckel, Senior Fellow and Director of Leadership Programs, University of Pennsylvania
Postdoc Research Fellows	Laura Ibrayeva & Sholpan Tazabek
Research Assistants (RA)	Saule Yeszhanova, Diana Abat & Diana Kalemeneva

Research Title	<b>Positive Peace Education in Kazakhstan</b>
PI	Lynne Parmenter, Professor of Education, NU GSE
Co-PI	Hilary Cremin, Dean of the Faculty of Education, Cambridge University Madina Tynybayeva, President, Altynsarin National Academy of Education Aida Akhmetzhanova, Vice-President, Altynsarin National Academy of Education
Advisors/ Researchers	Roy Leighton, Co-founder of Cambridge Peace Education Research Group Raigul Abildina, Altynsarin National Academy of Education Kevin Clements, Director, Toda Peace Institute, Japan
Postdoc Research Fellow	Sholpan Tazabek
RA	Assemgul Bukutova, Aizat Arystanbek & Assylzhan Ospanbek

Research Title	<b>Nurturing Young Minds: Exploring the Role of Positive Early Childhood Education and Care in the Health and Well-being of Young Children in Kazakhstan</b>
PI	Daniel Torrano, Associate Professor of Education, NU GSE
Co-PI	Diane Vella-Brodick, Director, Centre for Wellbeing Science, Melbourne Graduate School of Education Patricia Eadie, Professor, Melbourne Graduate School of Education
Postdoc Research Fellow	Laura Ibrayeva
RA	Ainur Alpys & Aiida Kulsary

2. Educational Innovation and Transformation Project (EITP): EITP funds two or three years education research projects of high intellectual merit that deliver significant new knowledge and societal impact to Kazakhstan in the field of education. These projects may be done in collaboration with researchers in other universities in Kazakhstan and other countries, or independently.

Research Title	<b>The Qaz Green Health Project: Developing the Environmental Sustainability in Healthcare Competence of the Present and Future Healthcare Workforce in Kazakhstan</b>
PI	Jonas Cruz, Assistant Professor, NU School of Medicine (NUSOM)
Co-PI	Paolo Colet, Assistant Professor, NUSOM Ejercito Balay-Odao, Instructor, NUSOM Joseph Almazan, Assistant Professor, NUSOM
RA	Zulyar Kavashev & Meruyert Smagulova

Research Title	<b>Sustainability Education and Higher Educational Institutions in Kazakhstan: A Student Perspective</b>
PI	Gulzhanat Gafu, Post-doc, NU GSE
Co-PI	Serik Orazgaliyev, Associate Professor at the Graduate School of Public Policy, and Co-Chair of the Sustainable Development Solutions Network (SDSN) country chapter in Kazakhstan
Advisor	Tristan McCowan, Professor at the Institute of Education, University College London (UCL)
RA	Nurgul Terlikbayeva & Anara Zhanseitova

3. Education Impact Projects (EIP): EIP is an education project with a strong research foundation that directly impacts education policy and practice. One of the distinctive features of EIP is its short-term nature, lasting for 9 months. These projects are exclusively undertaken by NU alumni who are actively working in educational settings. They provide an opportunity for alumni to reconnect with research by leading a project alongside NU GSE faculty serving as their mentors. These projects can be carried out by individual alumni, groups of alumni, or in partnership with non-alumni colleagues.

Research Title	<b>Academic Promotion and Remuneration Policies at Private Higher Education Institutions in Kazakhstan</b>
Alumni Lead/Co-PI	Dinara Mukhamejanova, Assistant Professor, KAZGUU University Gulfiya Kuchumova, Assistant Professor, KAZGUU University
PI/Faculty Mentor	Zumrad Kataeva, Assistant Professor, NU GSE
RA	Anara Zhanseitova & Adiya Ibrayeva

Research Title	<b>Exploring STEM Students' International Mobility in Kazakhstan</b>
Co-PI	Ainur Alumkambetova, Instructor, NU GSE
PI, Faculty Mentor	Jason Sparks, Vice Dean, NU GSE
RA	Assylzhan Ospanbek & Manat Sergazina

Research Title	<b>The Impact of Orientation Programs on First-Year Students' Academic Performance</b>
Co-PI	Merey Tursynbayeva & Anar Abildina
PI, Faculty Mentor	Zumrad Kataeva, Assistant Professor, NU GSE
RA	Ayaulym Dyussembekova & Meruyert Smagulova

Research Title	<b>The Impact of Socio-economic Factors on Parental Knowledge and Engagement in Early Intervention</b>
Co-PI	Assem Tazhiyeva, Founder of Public Fund, Ozim Platform
PI, Faculty Mentor	Daniel Torrano, Associate Professor, NU GSE
RA	Akzhibek Begaliyeva
Team Members	Dana Mambetalina & Mariya Ippolitova

## LEADERSHIP

Professor Lynne Parmenter played a pivotal role in bringing CARCEIT from a mere concept into a well-defined vision and ultimately into a fully operational center. From November of 2022, until June of 2023, she assumed the role of Interim director and demonstrated outstanding leadership and foresight during the center’s establishment and growth. She continues to contribute to CARCEIT by leading the research on Peace Education in Kazakhstan as the principal investigator, in collaboration with Cambridge University in UK and the Altynsarin National Academy of Education.



Professor Naureen Durrani currently serves as the Director of CARCEIT. She emphasizes that our mission transcends traditional research, with the primary objective to catalyze innovative transformations in educational policy and practice. CARCEIT aims to initiate revolutionary changes in educational approaches, not only within Kazakhstan but across the entire region. She believes that CARCEIT fosters strong connections among researchers and practitioners across various sectors to spearhead innovation, transformation, and collaboration across Central Asia.

## INDUCTION

Induction for CARCEIT took place on May 4th, 2023. This event provided an essential introduction and orientation for the launch of the Centre, presenting exciting prospects and expectations for all stakeholders. This event was also attended by NU leadership, including the the Provost and Acting President, Dr. Ilesanmi Adesida, who shared his regards during the center’s launch.



## WORKSHOP



CARCEIT is committed to fostering a strong sense of community among our researchers and supporting their professional development through a variety of workshops and diverse activities. Its inaugural researcher development workshop, titled, “Establishing the Foundation of Research Excellence”, was held on June 13-14, 2023. This event was an immense success, offering participants - faculty members, current master’s and doctoral level students, postdoctoral fellows, and alumni - invaluable training in diverse research methodologies. The sessions covered topics such as conceptual and theoretical framework, bibliometric analysis, quantitative research, qualitative research, as well as means to develop, analyze, and interpret, and disseminate research findings. Moreover, representatives from Melbourne University conducted an engaging session on early childhood research, introducing the draw/write/tell technique.

Contact us: [carceit@nu.edu.kz](mailto:carceit@nu.edu.kz)

Facebook: [www.facebook.com/CARCEIT](https://www.facebook.com/CARCEIT)



## **ACESYRI: FOUR YEARS OF PROJECT'S ACTIVITY**

**ERASMUS+ CBHE Project**

**Advanced Center for young Researchers and PhD Students**

**reg.no. 610166-EPP-1-2019-1-SK-EPPKA2-CBHE-JP**

**Martin Lukac**

### **1. INTRODUCTION**

The purpose of the ACESYRI (Advanced Center for PhD Students and Young Researchers in Informatics) project is to promote and advance state-of-the-art research in IT and CS (Information Technology and Computer Science) in Kazakhstan. The project aims to achieve this by facilitating networking opportunities, providing access to foreign experts, and establishing a unified system for showcasing research projects. Additionally, the project has the objective of promoting good research practices, such as ethics, showcasing research in international environments, and offering educational opportunities to educators in Kazakhstan.

Originally scheduled to conclude in 2022, the ACESYRI project received an extension from the European Union for an additional year due to challenges faced during internationalization efforts. Consequently, although the project is currently in its final year of EU support, it is expected to continue its activities and organize further events beyond the EU's financial involvement.

### **2. PURPOSE OF ACESYRI**

The ACESYRI (Advanced Center for PhD Students and Young Researchers in Informatics) project serves several key purposes in Kazakhstan. These include:

**Internationalization of the PhD program and research:** This involves establishing networking capabilities, providing platforms for publishing and presenting research at European standards, and offering the assistance of international mentors and consultants.

**Elaboration of the Kazakh-European Research Methodology:** This is achieved through organizing summer schools for educators and PhD students, as well as workshops focused on teaching and research methods for educators.

**Building a Portal to enhance internationalization, networking, and research development in Kazakhstan:** The portal facilitates the posting of research topics, enables PhD students to find suitable research topics, and allows individuals to search for external advisers.

These initiatives collectively aim to promote the exchange of knowledge, collaboration, and access to international expertise in the field of IT and CS in Kazakhstan. By strengthening the research ecosystem and providing resources and opportunities for growth, the ACESYRI project plays a crucial role in advancing the field and fostering academic development in the country.

### **3. DESCRIPTION**

The ACESYRI (Advanced Center for PhD Students and Young Researchers in Informatics) project is a collaboration between three European partners and nine Kazakh partners. The project is coordinated by the Principal Investigator (PI) from the University of Zilina in Slovakia.

The European partners involved in the project are:

1. University of Žilina, Slovakia (UNIZA)
2. University of Lodz, Poland (ULO)
3. University of Lorraine, France (UL)

The Kazakh partners in the project are:

1. Nazarbayev University, Astana (Regional Coordinator of ACESYRI)
2. Bologna process and academic mobility center Ministry of education and science, Almaty (BPAMC)
3. Satbayev University, Almaty (KazNRTU)
4. Almaty University of Power Engineering and Telecommunication (AUPET)
5. Zhangir Khan West Kazakhstan Agrarian-Technical University, Uralsk (WKATU)
6. Korkyt Ata Kyzylorda State University, Kyzylorda (KKSU)
7. Manash Kozybayev North Kazakhstan State University, Petropavlovsk (NKSU)
8. Suleyman Demirel University, Almaty (SDU)
9. Kazakhstan Information Security Association, Almaty (KISA)

This consortium of European and Kazakh partners enables collaboration, knowledge exchange, and the development of state-of-the-art research in the field of informatics. Together, they contribute to the overall objectives and activities of the ACESYRI project.

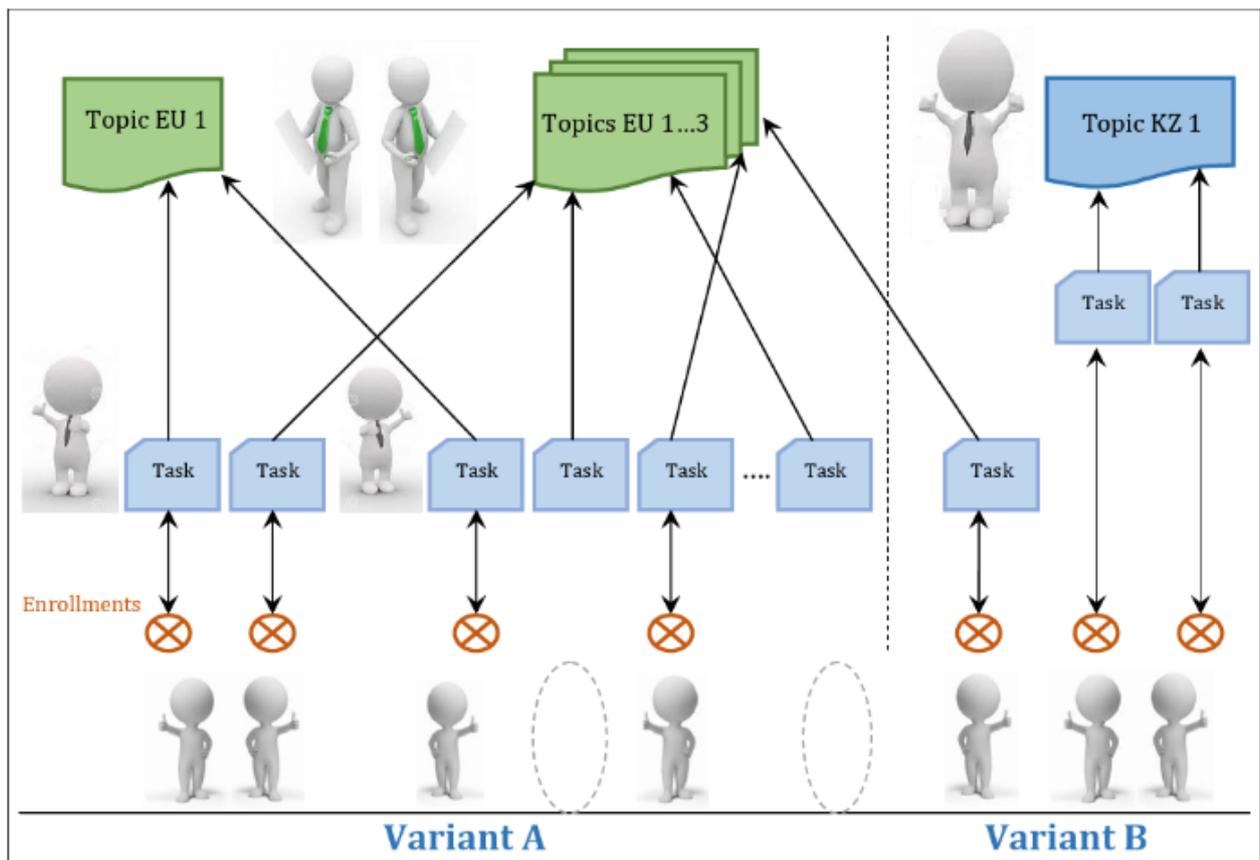
### **4. ACTIVITIES AND ACHIEVEMENT**

#### **The ACESYRI Platform**

Variant A: The ACeSYRI portal offers two variants of usage. Variant A represents the full and expected usage of the portal. In this variant:

- Foreign teachers who are interested in collaborating with researchers and young researchers from Kazakhstan can propose their own research topics for co-supervision. They provide a short description of their own research areas.
- Scientific advisors (teachers) from Kazakhstan who are interested in collaborating with these foreign researchers can select these topics and further divide them into their own local tasks.
- These tasks are assigned to PhD students, young researchers, and students who will work on them under the guidance of their respective advisors.
- After completing a task, the young researchers can upload documents or publications related to their results on the portal, either as open-access or private publications.

The ACeSYRI platform serves as a facilitator to establish connections between foreign researchers (co-advisors), national advisors (teachers), and PhD students or young researchers.



Variant B: In Variant B, which is the initial usage of the portal when the database of foreign researchers is not extensive:

- National scientific advisors propose the research topics.
- These advisors divide the topics into their own local tasks for each PhD student and young researcher.
- Each PhD student or young researcher then selects their own task to work on and solve.

The ACESYRI platform is currently hosted at <https://acesyri.fri.uniza.sk> and is available for usage to all partners of the consortium.

### Events and Meetings

In the framework of ACESYRI a large number of events focused to stimulate internationalization, research, shared degrees and other academic cooperation. The ACESYRI project also supported the opening of research laboratories in each partner's university.



Here are images from the inauguration of the ACEYSI lab at Nazarbayev University in 2021

In total, the ACeSYRI project has conducted several activities and events to promote collaboration and knowledge exchange. These include:

1. One Summer school: This intensive educational event provided participants with valuable insights and training in specific areas related to informatics and research.
2. Two English courses: These courses aimed to enhance the language skills of participants, particularly in the context of academic and research communication.
3. Five visits to European partners: These visits allowed for face-to-face interactions and collaboration with European partners, fostering knowledge sharing and strengthening relationships.
4. Six monitoring visits: These visits were conducted to monitor the progress of the project, ensuring proper implementation and addressing any challenges that arose.
5. Ten dissemination events: These events were organized to share and promote the research outputs and findings of the ACeSYRI project, reaching a wider audience and generating interest in the work being done.
6. Around twenty workshops: These workshops provided a platform for participants to gather and exchange ideas, discuss research methodologies, and enhance their skills in various areas of informatics and research.
7. One joined course on research projects: This course aimed to provide participants with comprehensive training and guidance on conducting research projects, equipping them with the necessary tools and knowledge to succeed in their academic pursuits.

These activities collectively contribute to the overall objectives of the ACeSYRI project, fostering collaboration, knowledge exchange, and research development in the field of informatics.

### **Publications**

In addition to the various events, more than 30 publications in national and international conferences as well as in journals have been published. Four textbooks on methodologies in Computer Science and IT have also been developed.

### **Cooperation**

Beside the conferences and events, a certain number of co-operations have been elaborated. The joint events or exchanges have been materialized by two MoU signed between Kazakh and European partner universities, several Kazakh students and researchers visited European partner universities for several week long research activities. Finally as a main achievement of the internationalization several joint academic degrees will be given to the abroad studying students.

## **5. FUTURE**

Due to the impact of the COVID-19 pandemic, the ACESYRI project experienced some slowdowns in its activities. However, in the second half of 2022, the project successfully recovered and continued with many of its planned internationalization steps. The extension granted to the project facilitated the expansion of its activities and provided additional time to achieve a critical mass necessary for the successful continuation of the project. Despite the challenges posed by the pandemic, the ACESYRI project adapted and persevered, ensuring the fulfillment of its goals and objectives.



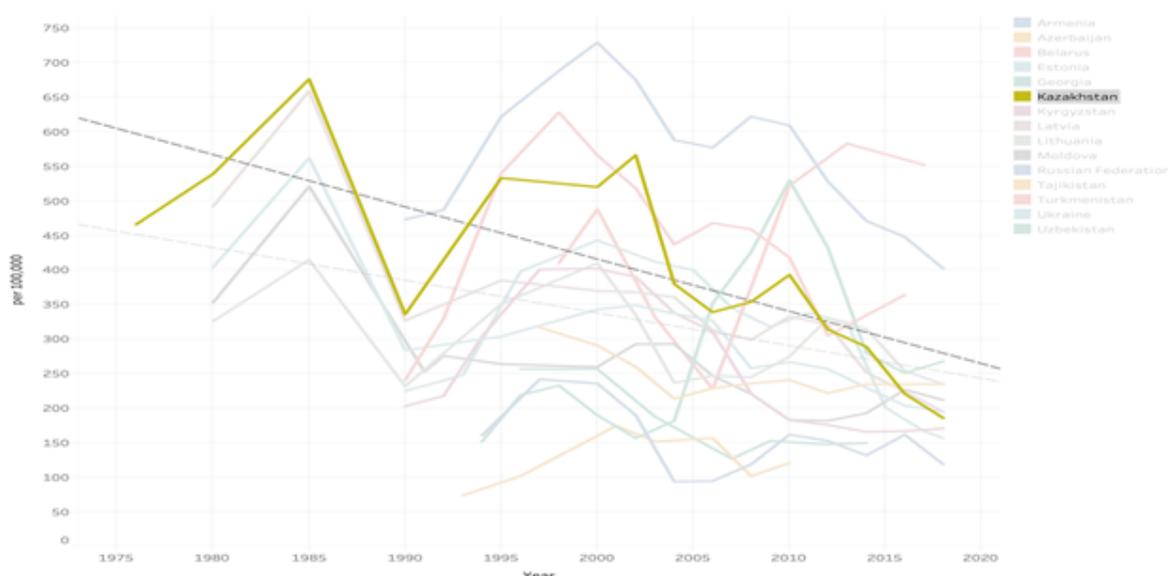
# School of Sciences and Humanities News

## **PUNISHMENT AND THE SHAPING OF SOCIETY IN KAZAKHSTAN AND RUSSIA: PUBLICATIONS FROM IN THE GULAG'S SHADOW PROJECT**

*NAZARBAYEV UNIVERSITY AND THE UNIVERSITY OF STRATHCLYDE, UK*

In the Gulag's Shadow is a five year project ending in 2023, a collaboration of NU, the University of Strathclyde (UK) and, until February 2022, the Higher School of Economics, St Petersburg. This year the project has produced three major publications in two of the top journals in the field of criminology.

*Unlikely Downsizers: the Role of the Prison Service in Reversing Mass Incarceration in Kazakhstan* (Slade, Trochev & Piacentini) was published by *Theoretical Criminology*. The article develops an integrated theory of penal change to explain the macro, micro and meso level factors that led to a significant reduction in Kazakhstan's prison population between 2001 and 2020. The paper does this by focusing on the most unlikely downsizing actor of all – the prison service. Utilizing original interview data with policy actors, the article explores how a consensus emerged on the need to reduce the prison population, overcoming vested interests within the state bureaucracy. The graph below, taken from the article, shows the Kazakhstani prison rate per 100,000 of the population declining by 64% in Kazakhstan since 2001.



*Ghosts of the Gulag: Negotiating Spectres of the Penal Past in Northern Russia* (Slade, Piacentini & Kravtsova) was published by the *British Journal of Criminology*. Utilizing ethnographic and focus group data from Ukhta, a former Gulag town, in Komi Republic, the article explores how local people stumble across and engage with objects from the penal past. These interactions lead not to memory but a form of penal spectrality – a haunting

sense of the presence of those who endured the pain of the Gulag. The resulting uncomfortable, and melancholic, affect is negotiated by locals through material and cultural distancing. Materially, the things of the Gulag are reclaimed and repurposed for practical use today or else, culturally, placed in museums where they can be observed at a distance. The article aims to be a major contribution to the emerging field of ghost criminology. The picture is of a part of a statue of Alexander Pushkin created by Nikolai Bruni, a prisoner, in 1938 prior to his execution. It is said that Bruni can be seen in the sinews of the statue, one artefact among many that haunts Ukhta (photo credit: Alena Kravtsova).



*East is East? Beyond the Global North and South in Criminology* (Piacentini and Slade) was also published by the British Journal of Criminology. The article argues that criminologists have had very little to say about Eastern Europe and Eurasia in part because these societies do not fall easily into the categorizations of the Global North or the Global South. The article rectifies this by arguing for the notion of the Global East in criminology. The Global East describes a distinct ideological, epistemological and geopolitical relationship towards the projection of colonial power. This relationship is marked by its ambiguity and interstitiality. Global East ideologies, often in communist form, are ostensibly anti-colonial and emancipatory yet may also produce colonization and punitive repression. To make this argument the paper focuses on global histories of the prison. In critiquing these histories, the article shows how Global Eastern visions of punishment have informed criminal justice and penal development in countries as diverse as Vietnam, Angola, Nicaragua and, of course, Kazakhstan.

*SHARED BY PROF. GAVIN SLADE*

## NU PROFESSOR AND HIS COLLEAGUES FROM KFUPM HAVE BEEN AWARDED BY THE ROYAL SOCIETY OF CHEMISTRY



Dr Irshad Kammakakam, an Assistant Professor in the Department of Chemistry, and his colleagues Dr Nadeem Baig and Dr Wail Sulaiman Falath from King Fahd University of Petroleum and Minerals have been awarded by the Royal Society of Chemistry for publishing research in the top 5% of highly cited works from the Royal Society of Chemistry Journals.

Their paper titled «*Nanomaterials: a review of synthesis methods, properties, recent progress, and challenges*» has been one of the most highly cited articles published in Materials Advances so far.

In recognition of their achievement, the Royal Society of Chemistry conducted an interview with the authors where they shared their invaluable insights. To delve further into their work, please follow the [link](#) to access the full interview.

We extend our heartfelt congratulations to Dr. Kammakakam, Dr. Baig, and Dr. Falath for their significant contributions to the field. We anticipate

their continued success in their future academic endeavors!

## ENRICHING FIELD TRIP TO TAJIKISTAN: A MILESTONE FOR WOMEN'S ENTREPRENEURSHIP RESEARCH!



Our dedicated team members, Dr. Aljanova and Dr. Yousafzai, have recently completed an insightful field trip to Tajikistan, expanding our research efforts across Central Asia. During their journey, they engaged in meaningful discussions with Ministry officials, NGO workers, and inspirational women entrepreneurs, aiming to illuminate the entrepreneurial landscape for women in the region. This research complements our ongoing studies in Kazakhstan, Uzbekistan, and Kyrgyzstan, promising valuable insights into women's entrepreneurship in Central Asia.

In an exciting development, some of the remarkable Tajik entrepreneurs visited Nazarbayev University to showcase their exquisite handicrafts in the upper atrium. This provided a unique opportunity for our community to immerse themselves in Tajikistan's rich culture and

appreciate the craftsmanship behind these artisanal products.

Further celebrating Tajik culture, an exhibition-fair was held at EXPO Square in Astana as part of the Days of Culture of Tajikistan in Kazakhstan. Over 300 agricultural producers from the Sughd region offered a wide range of products, including fresh produce, traditional delicacies, and artisanal goods. Notably, the event highlighted the presence of women artisans from Khorog, previously interviewed by the NURCE research team during their business trip to Tajikistan. These women showcased diverse products, reflecting their entrepreneurial spirit and Tajikistan's commitment to gender equality. Their displays not only celebrated Tajikistan's rich cultural heritage but also emphasized the growing role of women in driving economic growth in the region. Attendees and fellow exhibitors alike expressed admiration for their craftsmanship and business acumen.



These interconnected events illuminate the vibrant tapestry of Tajik culture and the increasing influence of women in Central Asia's entrepreneurship landscape.

## FIELD RESEARCH IN INDIA



Dr. Anjan Ghosh, a dedicated scholar specializing in ‘grand challenges and their mitigations,’ has embarked on an extraordinary journey. Together with his colleagues from ESSEC Paris, he is currently conducting extensive field research in a cluster of islands vulnerable to rapid climate change. These sinking islands have turned many residents into climate refugees, facing environmental displacements. Despite the challenging conditions, Anjan and the ESSEC team have fearlessly camped

on the islands to comprehend the human struggle and resilience in coping with these drastic changes.

## NURCE INITIATES POTENTIAL PARTNERSHIP WITH AMANAT PARTY UNIVERSITY



As part of the MES grant evaluation, Saule Baktymbet from Amanat Party University was assigned as our evaluator. Her thorough assessment concluded with high praise for our progress, leading to discussions about a potential collaboration between NURCE and her institution.

Taking proactive steps to capitalize on this opportunity, our team visited the Amanat Party Headquarters. There, we had the honor of presenting to an audience of delegates from across Kazakhstan. These delegates, currently enrolled in a one-week training program on women’s leadership, showed considerable interest in NURCE’s initiatives.

What caught their attention specifically were our upcoming training on women’s entrepreneurial leadership and the highly-anticipated 2nd NURCE academic conference. The positive response from the delegates indicates promising prospects for future collaborations.

Director of NURCE, Associate Professor Shumaila, and Deputy Director of NURCE, Nurlykhan Aljanova, actively engaged in a Training Workshop on «Women’s Political Leadership.» This workshop was part of the Tomiris Project, hosted by the Academy of Political Management, an educational institution affiliated with the AMANAT Party. During their participation, they highlighted NURCE’s pivotal initiatives, research undertakings, project executions, book presentations, and their significant role in gathering data on women entrepreneurship across Kazakhstan, Kyrgyzstan, Uzbekistan, and Tajikistan. Additionally, they delved into discussions about impactful business events and networking sessions and shed light on the upcoming Women Entrepreneurship Training.



stakeholder consultation session as part of the workshop's endeavours.

Notably, NURCE's upcoming second annual conference, themed «Entrepreneurship, Innovation, and Technology: Challenges, Opportunities, and Prospects in the CIS region,» was also a key point of conversation. Collaborating with the Deputy Director of the Academy of Political Management, Mrs. Saule Baktymbet, alongside public figures, politicians, and accomplished female leaders, they contributed to a

## **PARTICIPATION IN 83RD ANNUAL MEETING OF THE ACADEMY OF MANAGEMENT IN BOSTON, MASSACHUSETTS**



Between 4-8 August in collaboration with co-authors (Roy, N., Baskynbayeva N., Paromita, Ghosh A.), Nurlykhan Aljanova presented the research paper titled «Decolonizing Feminist 'Knowledge': 'The Modern Woman' in Kazakh Influencer Culture» at the distinguished 83rd Annual Meeting of the Academy of Management held in Boston, Massachusetts, USA. The paper received recognition from Academy of Management reviewers as one of the most outstanding contributions in the program, a distinction that led to its inclusion in the esteemed Proceedings of the 2023 Academy of Management Meeting.

Furthermore, this paper has earned the distinction of being a finalist for the prestigious 2023 Carolyn Dexter Award for Best International Paper. Additionally, it was honoured with the inaugural Professor Anshuman Prasad Award, recognizing it as the best paper in the realm of Postcolonial Scholarship and Decolonial Practice. This esteemed recognition was conferred by the Academy of Management Critical Management Studies Program Chairs and Division Chairs Elect.

This paper seeks to deepen the understanding of gendered influencer cultures and the construction of women's subjectivities through their relationships with religion, work, family, motherhood and the state. We situate our research in Post-Soviet Kazakhstan and study the three most popular female influencers and their followers. We question existing dominant and universalist Western feminist frameworks (post-feminist and neoliberal) of reading women's roles in influencer cultures and their imbrications in the market. Deploying theories of decoloniality and epistemic reconstitutions, this paper uncovers underlying forms of imperialism in knowledge construction.

This epistemic reconstitution is necessitated by our respondents' ambivalent identification and disidentification with feminism, which our respondents see as Western, neo-colonialist and imperialist. Instead, they choose to use the idea of the modern woman, which is a complex amalgam of their historical legacies and lived realities. Exploring modalities of



border thinking, we analyse this category of the modern woman to think beyond ideas of Anglo- American modernity to better understand the realities and aspirations of Kazakh women within influencer cultures. This paper reads this idea of ‘alternative modernity’ in light of the construction of the ‘new woman’ in colonial India. To this end, the paper brings together the two discursive fields of post-colonialism and post-socialism to decolonize Western feminist theoretical paradigms of reading women dominated influencer cultures. Thus, this paper contributes to widening the notions of transnational intersectionality in constructions of gendered influencer culture.

Click [here](#) to read the full article.

## **A PROCESS MODEL OF COMBINING LIFE TRAUMA AND LIFE PASSION INTO CULTURAL ENTREPRENEURSHIP: A CASE STUDY OF ART-SHELTER BUNKER THEATRE**

Our team members Nurlykhan Aljanova and Emina Yessekeyeva published a paper together with Ernst Y.!

A case study of Art-Shelter Bunker theatre explores the fascinating story of how a traumatic event, a dog bite, inspired the creation of a successful theatre company. Drawing on a narrative inquiry approach, we examine the personal experiences and reflections of the theatre company’s founder, who, after being bitten by a dog, underwent a profound transformation that ultimately led to the creation of a unique and impactful theatre company. Our examination underscores the significance of trauma and resilience within the dynamic model of the creative process, underscoring the crucial role that personal narrative plays in shaping artistic expression. Through this inquiry, we hope to better understand the complex and multifaceted relationship between personal experience, trauma, and creativity.

Click [here](#) to read the full article.

## MEET ZHANYL, FELT DESIGNER



Master felt designer Zhanyl Baisheva lives and works in the small town of Bokonbaevo, by the shore of Issyk-Kul lake. In 1994, with the assistance of 'Aid to Artisans' and Dinara Chochunbaeva, she founded 'Altyn Oimok' (Golden Thimble), which specialises in the production of traditional Kyrgyz felt carpets called shyrdaks. Zhanyl provides employment and a working space for 25 women from Bokonbaevo and nearby villages and has trained over 500 women from all over the world in making shyrdaks. Zhanyl is proud to see how the workshop develops women's skills, helping them find jobs and even establish their own businesses. Her objective is to preserve Kyrgyz handicrafts and turn them into an income-generating activity.

The work of Zhanyl and her circle of sisterhood has been recognised by UNESCO and they have presented their shyrdaks at national and international exhibitions and festivals. However, reaching this point hasn't been easy. Both during and just after the Soviet era, Zhanyl and other artisans experienced a time of economic and social turbulence. Click [here](#) to read the full story.

## UNBREAKABLE RESOLVE: INDIRA AKHMETOVA'S TRIUMPH IN THE MALE-DOMINATED SECURITY SECTOR



In a realm dominated by men, Indira Akhmetova emerges as a fearless force, breaking gender barriers and forging her path to success in the security sector of Kazakhstan. Her journey is a testament to unwavering determination, defying societal expectations, and inspiring women everywhere to challenge the status quo.

Indira's story is one of extraordinary transformation and resilience. Starting her career in the finance department of a bank, fate dealt her a challenging hand when personal circumstances demanded a new direction. Amidst her daughter's health struggles and the tumult of divorce, Indira found herself navigating uncharted territory. Braving uncertainty, she ventured into the world of security, working as a taxi driver and eventually finding her way to a monitoring station operator role in a security organization.

From the very beginning, Indira faced formidable hurdles. Her audacity to enter a male-dominated industry was met with open disapproval. Critics declared that security was no place for a woman. But Indira defied their expectations, knowing that women were just as capable and deserving of success.

Click [here](#) to read the full story.

## NARRATIVE: MEREY MUSTAFINA



### Strength in connection: Merrey Mustafina's explains the transformative power of networks

Merrey Mustafina, a producer and founder of Umay Global, has emerged as a trailblazer in the realm of women's entrepreneurship in Kazakhstan. Armed with a MA degree in Development Management from Westminster University and an alumnus of the Executive Leadership Programme THNK School of Creative Leadership, Merrey is an entrepreneur and networking expert whose journey is deeply intertwined with the power of connections. As a co-founder of Umay Global, Merrey's path to leadership in women's entrepreneurship was unexpected yet embraced wholeheartedly. Her extensive experience in networking and organizing events for entrepreneurs and non-entrepreneurs, both men and women, paved the way for her remarkable journey, long before networking became a buzzword in Kazakhstan.

Merrey's involvement in the Astana Ladies Club, a women's community, alongside other co-founders, and her role as an ambassador for Women Entrepreneurship Day in Kazakhstan brought her face-to-face with the misconceptions and misunderstandings surrounding the «female» topic. Contrary to popular belief, Merrey emphasizes that pure women's communities are not about feminism or opposition to men. Instead, they provide a unique space where women find support, sincere emotions, and a sense of belonging. In many cases, men also need support, but societal expectations often prevent them from showing vulnerability. Masculinity is often associated with setting examples at work, at home, and among friends. Consequently, men's communities prioritize business networking and activities. In contrast, women's communities focus on nurturing «soul-to-soul» connections that allow women to open up and be vulnerable. While every woman has her own micro-community comprising sisters, friends, mothers, and aunts, joining a women's business community provides a deeper level of understanding and support for women entrepreneurs. As more women venture into entrepreneurship, it becomes crucial to provide them with resources and connections to thrive. Merrey's journey exemplifies the significance of building communities that empower women through the strength of «sisterhood.»

Click [here](#) to read the full version.

## GLOBAL AND LOCAL MARKET TRENDS



On 23rd of August NURCE held a conference «Global and Local Market Trends: A Conference Celebrating Women Entrepreneurs in Tech» with our dearest colleagues - Techno Women Central Asia.

Bikesh Kurmangaliyeva, Co-founder of Technowomen and CEO of «Digital economy development center» Subsidiary of JSC Kazakhtelecom, is presenting on how Track & Trace solutions facilitate development of

digital economy. She highlights the benefits of Track&Trace B2G for business, government and consumers.

Our recent event also delved into the latest market insights, shedding light on both global and local trends that are shaping businesses today. Participants joined us for an enlightening session that equipped them with invaluable knowledge to navigate the dynamic marketplace successfully.

## TRAINING BY ASSEL MURATOVA



On August 28th, NURCE held a training for trainers by Assel Muratova. This event served as a valuable opportunity for those looking to enhance their leadership skills and emotional intelligence. The featured expert, Assel Muratova, is an accomplished professional in the field, serving as the Director of «International Academy of Emotional Intelligence.» She holds certifications as an EACEIP trainer in emotional intelligence, a professional coach from Erickson

International, and as a certified HR professional. With over 15 years of experience in personnel management and team building, as well as over 9 years of business coaching, Asel Muratova shared her extensive knowledge.

## WHAT IS A COMMON CHALLENGE FACED BY WOMEN ENTREPRENEURS IN DIGITAL TECHNOLOGY?

Introducing an insightful article on the challenges confronted by women entrepreneurs in Kazakhstan's digital technology landscape. As digital technology continues to reshape industries, this piece delves into the unique hurdles faced by aspiring female entrepreneurs striving to make their mark in this rapidly evolving sector within the Kazakh context. The article sheds light on the experiences, barriers, and opportunities that shape their journey, offering valuable insights into fostering a more inclusive and vibrant digital ecosystem. Notably, this is NURCE's first media appearance in the Kazakh language, marking a significant step towards enriching our content diversity.

Click [here](#) to read the full text.

## ACTIVITIES BY THE END OF 2023



From November 15 to December 1, 2023, NURCE has planned an enriching lineup that celebrates entrepreneurship, innovation, and technology in the CIS region.

### 1. Photo Exhibition

«Trailblazers of the Steppe: Inspiring Narratives of Kazakh Women Entrepreneurs» Join us for captivating photo exhibition showcasing the book «Trailblazers of the Steppe: Inspiring Narratives of Kazakh Women Entrepreneurs». The exhibition will run from November 15 to 30 at Nazarbayev University, Astana. This exhibition is open to everyone, offering a unique opportunity to explore the remarkable stories of Kazakh women entrepreneurs.

### 2. Women Entrepreneurs Master Training

From November 24 to 30, we invite you to the Women Entrepreneurs Master Training in Almaty and Astana. This training, in collaboration with the Academy of Political Management, will equip participants with valuable insights and skills to thrive in the world of entrepreneurship. Don't miss this chance to learn from experts and fellow entrepreneurs.

### 3. Conference

#### **«ENTREPRENEURSHIP, INNOVATION AND TECHNOLOGY: CHALLENGES, OPPORTUNITIES AND PROSPECTS IN THE CIS REGION»**

As the grand finale of our series, we're thrilled to present the conference on «Entrepreneurship, Innovation, and Technology». Join us from November 30 to December 1, 2023, for insightful discussions and valuable networking opportunities. Co-organized with The Social Development Fund of Nazarbayev University, the conference will also feature the presentation of the book «Trailblazers of the Steppe: Inspiring Narratives of Kazakh Women Entrepreneurs» on the first day.

Mark your calendars and get ready to immerse yourself in a month of learning, inspiration, and networking. We look forward to welcoming you to these exceptional events!

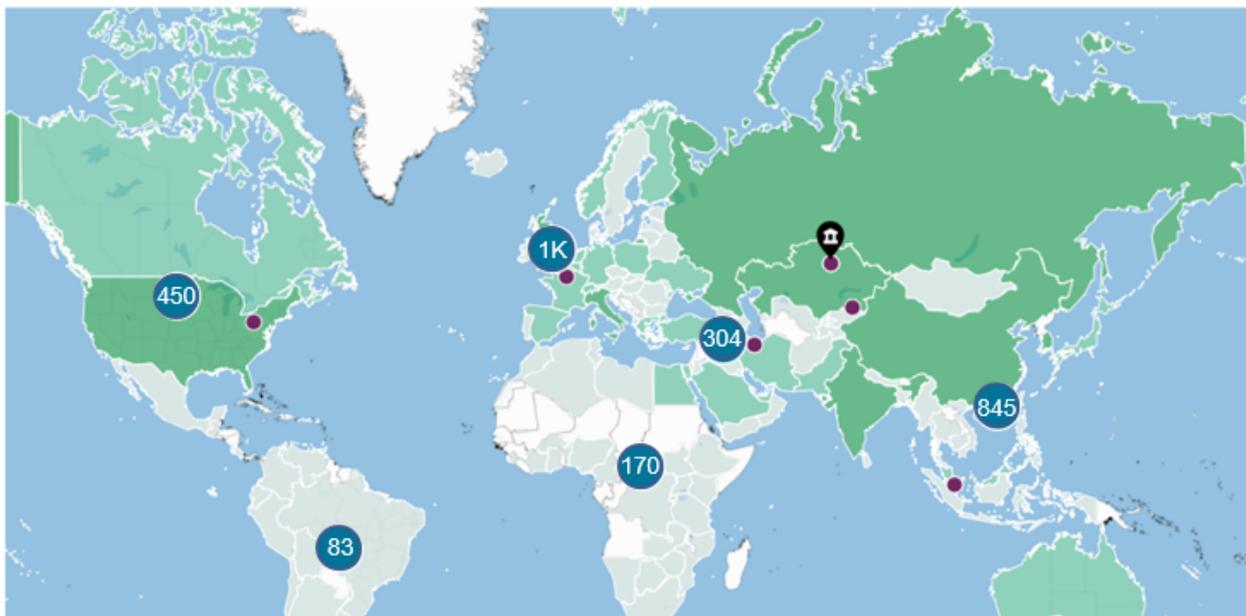
# RESEARCH PERFORMANCE OVERVIEW

Co-authored publications per country/region:



2,860 collaborating institutions

4,074 co-authored publications



In this issue, we are delighted to present you an overview of research activities conducted under the auspices of Nazarbayev University.

Since its inception in 2011, Nazarbayev University faculty members and researchers have released 7,741 peer-reviewed publications indexed by Scopus, and have been cited 84,183 times for 2011-2023 period (Source: SciVal, September 2023). The approximate number of citations per peer-reviewed publication is 10.9. The overall H-index of NU is 97, whereas H5-index is 68. The field-weighted citation impact is 1.33, meaning that our publications have been cited 33% more than would be expected based on the world average for similar publications (over 2018-2023 years).

The map above demonstrates the collaboration between NU and other institutions across the globe based on co-authored publications over

the period from 2018 to 2023. There are 4,074 NU research papers published in collaboration with international institutions, which accounts for 66.7% of the total number of publications produced by our University. The Field-Weighted Citation Impact is 1.43.

For getting more comprehensive information on the research performance at NU, please have a look at the following [presentation](#) prepared using SciVal research evaluation platform.

If you have any questions regarding the provided information, please contact Saule Sadykova ([ssadykova@nu.edu.kz](mailto:ssadykova@nu.edu.kz))

# FUNDING OPPORTUNITIES

#	Opportunity	Funder	Deadline	Source link
1	Clinical Research Professor	American Cancer Society	15-Oct-23	<a href="#">URL</a>
2	LUSTGARTEN FOUNDATION-AACR CAREER DEVELOPMENT AWARD FOR PANCREATIC CANCER RESEARCH, IN HONOR OF JOHN ROBERT LEWIS	American Association for Cancer Research	16-Oct-23	<a href="#">URL</a>
3	Challenge Award	PhRMA foundation	1-Nov-23	<a href="#">URL</a>
4	Advancing Research on Care and Outcome Measurement 3.0 (ARCOM)	The Alzheimer's Association	29-Nov-23	<a href="#">URL</a>
5	ROLE OF GUT MICROBIOTA IN THE MECHANISMS OF PAIN	The Biocodex Microbiota Foundation	30-Nov-23	<a href="#">URL</a>
6	ABTA Research Collaboration Grants	American Brain Tumor Association	1-Dec-23	<a href="#">URL</a>
7	Advancing the Science of Engagement PCORI Funding Announcement -- Cycle 3 2023	PCORI	9-Jan-24	<a href="#">URL</a>
8	Healthy Aging: Optimizing Physical and Mental Functioning Across the Aging Continuum -- Cycle 3 2023	PCORI	9-Jan-24	<a href="#">URL</a>
9	Discovery Grants	National Psoriasis Foundation	1-Feb-24	<a href="#">URL</a>
10	Action Potential grants	The FamilieSCN2A	1-Apr-24	<a href="#">URL</a>
11	HODGKIN-HUXLEY RESEARCH GRANT	The FamilieSCN2A	rolling basis	<a href="#">URL</a>
12	American Tinnitus Association's grant program	The American Tinnitus Association	rolling basis	<a href="#">URL</a>
13	Research Grants and Support	Nestlé Foundation	rolling basis	<a href="#">URL</a>
14	Carl Zeiss Humboldt Research Award	the Humboldt Foundation	rolling basis	<a href="#">URL</a>
15	Fraunhofer-Bessel Research Award	the Humboldt Foundation	rolling basis	<a href="#">URL</a>
16	Friedrich Wilhelm Bessel Research Award	the Humboldt Foundation	rolling basis	<a href="#">URL</a>
17	Clean Energy Accelerator	Amazon	rolling basis	<a href="#">URL</a>
18	Project Grants	The Myrovlytis Trust	rolling basis	<a href="#">URL</a>
19	Small/ Pilot Studies	The Myrovlytis Trust	rolling basis	<a href="#">URL</a>
20	Energy Foundation's grants	Energy Foundation China	rolling basis	<a href="#">URL</a>
21	Impact Collaboration Programme (ICP 2023)	The Geneva Science-Policy Interface	rolling basis	<a href="#">URL</a>
22	Research Core Award: Non-rodent Large Animal Model for Inherited Retinal Disease (worldwide)	Foundation Fighting Blindness	rolling basis	<a href="#">URL</a>

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- Abbas, A.H., Serikov, G., Zhuniskenov, Y. and 3 more (...) (2023). Investigation of Natural Mucilage for Enhanced Oil Recovery: the Potential of *Corchorus Olitorius* Hydrocolloid. *ACS Omega*,8(32) 29693-29703
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- Abdildin, Y., Tapinova, K., Salamat, A. and 3 more (...) (2023). Rectus Sheath Block in Abdominal Surgery: A Systematic Review with Meta-Analysis. *Romanian Journal of Anaesthesia and Intensive Care*,30(1) 43-50
- Abdiyeva, K., Lukac, M., Ahuja, N. (2023). Remove to improve?: Understanding CNN by pruning. *Explainable Deep Learning AI: Methods and Challenges*,147-171
- Abdrakhmanov, A., Akilzhanova, A., Shaimerdinova, A. and 8 more (...) (2023). The Distribution of the Genotypes of ABCB1 and CES1 Polymorphisms in Kazakhstani Patients with Atrial Fibrillation Treated with DOAC. *Genes*,14(6)
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- Abilkhassenova, Z., Memon, S.A., Ahmad, A. and 2 more (...) (2023). Utilizing the Fanger thermal comfort model to evaluate the thermal, energy, economic, and environmental performance of PCM-integrated buildings in various climate zones worldwide. *Energy and Buildings*,297
- Afzal, M., Alkinidri, M.O., Safdar, M. and 1 more (...) (2023). On the scattering of cylindrical elastic shell having trifurcation and structural variations at interfaces. *Chaos, Solitons and Fractals*,175
- Afzal, M., Bilal, H., Ahmed, N. and 1 more (...) (2023). Acoustic scattering from a wave-bearing cavity with flexible inlet and outlet. *Mathematical Methods in the Applied Sciences*,
- Ahmadi, Y., Mansouri, M., Pourafshary, P. (2023). Application of ZnO-TiO<sub>2</sub>/zeolite nanocomposites to enhance oil recovery from sandstone formations. *Petroleum Science and Technology*,
- Ahmedov, B., Dialektopoulos, K.F., Levi Said, J. and 3 more (...) (2023). Cosmological perturbations in the teleparallel analog of Horndeski gravity. *Journal of Cosmology and Astroparticle Physics*,2023(8)
- Aikyn, N., Zhanegizov, A., Aidarov, T. and 2 more (...) (2023). Efficient facial expression recognition framework based on edge computing. *Journal of Supercomputing*,
- Akhmadi, S., Tsakalerou, M. (2023). Exploring gender imbalances in innovation and entrepreneurship: evidence from a global south country. *International Journal of Gender and Entrepreneurship*,
- Alakbari, F.S., Mohyaldinn, M.E., Ayoub, M.A. and 2 more (...) (2023). A decision tree model for accurate prediction of sand erosion in elbow geometry. *Heliyon*,9(7)
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- Alontseva, D., Azamatov, B., Safarova, Y. and 2 more (...) (2023). A Brief Review of Current Trends in the Additive Manufacturing of Orthopedic Implants with Thermal Plasma-Sprayed Coatings to Improve the Implant Surface Biocompatibility. *Coatings*,13(7)
- Alquwez, N., Cruz, J.P., Balay-Odao, E. (2023). Assessing the psychometric properties of the Arabic version of the Nursing Practice Readiness Scale among Saudi nursing students. *PLoS ONE*,18(7)
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- Amirkhanova, G., Mansurova, M., Ososkov, G. and 3 more (...) (2023). Algorithm for Enhancing Event Reconstruction Efficiency by Addressing False Track Filtering Issues in the SPD NICA Experiment. *Algorithms*,16(7)

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- Amirkhanova, G.A., Mansurova, M.Y., Burtebayev, N.T. and 2 more (...) (2023).PARALLELIZATION METHOD TO SPEED UP THE TRACK RECONSTRUCTION PROGRAM IN THE SPD NICA EXPERIMENT. *Acta Physica Polonica B, Proceedings Supplement*,16(2)
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- Awasthi, M., Azeemuddin, S., Mazumder, A. and 1 more (...) (2023).A Dual-Band Integrated Network Analyzer for Water Solvent-Specific RF Biosensors. *IEEE Sensors Journal*,23(17) 19290-19298
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