



RESEARCH NEWSLETTER

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School of Engineering and Digital Sciences News

NAZARBAYEV UNIVERSITY'S SCHOOL OF ENGINEERING AND DIGITAL SCIENCES HOSTS KAZAKHSTAN'S MINISTRY OF ENERGY DELEGATION FOR COLLABORATIVE DISCUSSIONS ON ENERGY INNOVATION



Nazarbayev University's School of Engineering and Digital Sciences (SEDS) recently hosted a delegation from the Ministry of Energy, led by Vice-Minister Bakytzhan Ilyas, during their visit to the university in March. This visit marked an important step in advancing energy systems and promoting sustainability initiatives in Kazakhstan.



The delegation's tour of NU's facilities, with a special focus on SEDS, showcased the innovative research and development initiatives underway. Discussions centered on the digitalization of energy systems, aiming to improve efficiency and reliability through technological integration. Topics such as protection systems and motor design and manufacturing were thoroughly examined, highlighting a joint commitment to fostering innovation in the energy sector.



A visit to NU's Renewable Energy Labs provided the delegation with insights into ongoing projects aimed at facilitating renewable energy projects and integrating them with modern technology. The importance of sustainable solutions to meet the increasing energy demands of the future was emphasized throughout the discussions.

The visit highlighted the collaborative partnership between NU and the Kazakh Ministry of Energy, with both parties reaffirming their dedication to advancing technological solutions, particularly in

the thermal energy sector. A productive meeting between NU's leadership, esteemed professors, and the ministry delegation solidified these commitments, paving the way for future collaborations.

Specialized laboratory tours within SEDS showcased ongoing research projects spanning traditional and renewable energy domains. Laboratories specializing in high-voltage engineering, energy systems, electrical machines, and renewable energy technologies demonstrated NU's expertise in addressing the evolving challenges of the energy landscape.

INNOVATIVE STUDY UTILIZES COFFEE GROUNDS TO ENHANCE BATTERY TECHNOLOGY

In a groundbreaking development, a recent study published in the esteemed [KeAi journal Carbon Resources Conversion](#) has unveiled a pioneering approach in the realm of energy storage. A collaborative effort between research team from Kazakhstan led by Prof. Aishuak Konarov and South Korea has resulted in the successful synthesis of P-doped hard carbon, employing coffee grounds as a precursor material and H_3PO_4 as the doping agent.

This novel investigation centered on determining the optimal doping level to maximize the incorporation of phosphorus ions into the carbon framework. The ultimate goal is to enhance the electrochemical performance of the material as an anode for sodium-ion batteries (SIBs), presenting a promising alternative to traditional lithium-ion batteries.

What sets this study apart is its environmentally conscious approach. By harnessing coffee waste as a precursor material, the researchers not only tackle the issue of environmental sustainability but also capitalize on the unique lignocellulosic structure inherent in coffee grounds. This innovative choice not only offers a solution to the uneven distribution and scarcity of lithium resources but also paves the way for the exploration of SIBs as a viable energy storage option.

Going deeper into their experimentation, the researchers varied the concentrations of H_3PO_4 and discovered that utilizing 2M of the doping agent yielded promising electrochemical performance for hard carbon as an anode material. The resulting P-doped hard carbon, carbonized at 1300 °C, showcased a remarkable reversible capacity of 341 mAh g⁻¹ at a current density of 20 mA g⁻¹, with an initial Coulombic efficiency of 83%.

These remarkable results underscore the immense potential of P-doped hard carbon in revolutionizing the energy storage landscape, particularly in the context of sodium-ion batteries. By offering valuable insights into the synthesis and optimization of P-doped hard carbon, this study highlights the critical role of precursor materials, doping agents, and carbonization conditions in advancing energy storage technologies.



As we navigate towards a more sustainable future, the implications of this research extend far beyond the laboratory, promising to shape the development of more efficient and eco-friendly energy storage solutions. This research has been supported by the Ministry of Education and Science of the Republic of Kazakhstan Grant (AP09259165) and by Nazarbayev Fund under the Collaborative Research Program Grant (20122022CRP1611), both awarded to Prof. Aishuak Konarov.



School of Sciences and Humanities News

PUBLICATION IN PHYSICAL REVIEW LETTERS



[A research paper](#) authored by Professor Daniele Malafarina and his colleagues from the INAF Observatory in Catania has been published in *Physical Review Letters* (PRL), one of the most prestigious journals in the field of physics. This is the fourth paper from NU to be published in this journal, and the eighteenth paper from the country to have appeared in PRL throughout its history.

The research focuses on a fundamental problem in general relativity concerning the formation of black holes from the collapse of massive stars.

While traditional models predict singularities at the center of black holes, the team's work explores non-singular black holes within the framework of Asymptotically Safe gravity. Remarkably, their model demonstrates the formation of a non-singular black hole as the end result of collapse, using only ordinary matter and a physically valid effective Lagrangian.

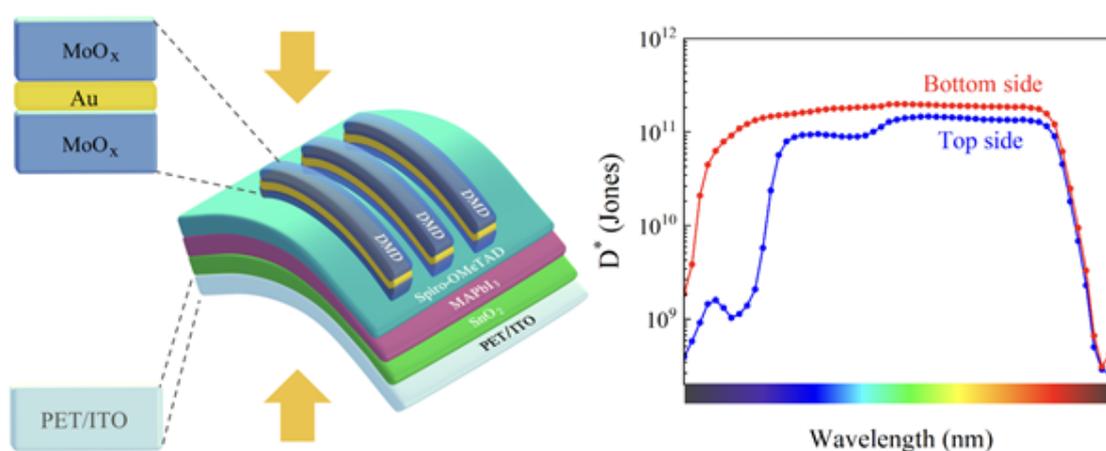
In this groundbreaking model, matter takes an infinite amount of time to collapse, while still resulting in the formation of a black hole horizon. This novel approach addresses longstanding issues in alternative theories of black hole formation and provides new insights into the nature of gravitational collapse.

The paper has been supported by the NU Faculty Development Competitive Research Grant, awarded to Professor Malafarina for his extensive 3-year investigation titled «*Horizons, Singularities, and the Limits of General Relativity*»

SELF-POWERED PRINTED FLEXIBLE BIFACIAL PEROVSKITE PHOTODETECTOR

AIDANA K. AZAMAT, HRYHORII P. PARKHOMENKO, MUHAMMAD SALMAN KIANI, ANNIE NG, ASKHAT N. JUMABEKOV

The research team investigated the scalable fabrication of perovskite photodetectors (PPDs) on plastic substrates using the slot-die coating technique. The implementation of dielectric–metal–dielectric (DMD) transparent top contacts grants PPDs bifacial operation which expands their potential applications significantly. Details of the study can be found in the publication in ACS Applied Optical Materials, accessible through the following [link](#).



The rapid development of industry in the field of machine vision systems, the Internet of Things (IoT) and smart houses motivates the development of scalable bifacial photodetectors. In this study, a research group successfully used the industrially compatible slot-die coating technique to produce scalable self-powered PPDs on flexible polyethylene terephthalate substrates. The incorporation of thin DMD layer as transparent top contact resulted in impressive bifaciality, reaching a factor of 78% within the visible spectrum.

The fabricated PPDs exhibit the ability to harvest solar energy, demonstrating reasonable power conversion efficiencies (PCEs) under both bottom- and top-side illuminations. For bottom-side illumination, the devices achieve excellent responsivity and detectivity values of 0.2 A W⁻¹ and 2×10^{11} Jones, respectively. Under top-side illumination, these values remain high, at 0.15 A W⁻¹ and 1.47×10^{11} Jones, respectively. The overall bifaciality factor within the visible spectrum is approximately 65%, with peak values reaching 78% within the 610–650 nm range. Furthermore, even without encapsulation and exposed to air, the fabricated devices retain around 28% of their initial performance after 50 bending cycles.

The research advances the development of industrially compatible PPDs and underscores the importance of top layers' optical characteristics on the bifaciality factor. The results were presented at the MATSUS24 conference in Barcelona, Spain, in March 2024.



Graduate School of Business News

RESEARCH DIGEST OVER JANUARY–MARCH 2024 EVENTS

BENELUX—KAZAKHSTAN TRADE TALKS: TRADE PROSPECTS DISCUSSED AT NU



On February 15, NUGSB hosted the Benelux-Kazakhstan trade negotiations, moderated by the Assistant Professor David DeRemer. The participants observed trade turnover outcomes between the EU countries and discussed the future of trade and investment. NU has become the first platform where Belgian and Dutch diplomats, KazakhExport, business sector representatives, researchers, and university academic community members gather. The event was covered by [The Astana Times](#), [DKNews.kz](#) and several other media outlets.

«IMPACT CENTRAL: BRIDGING SOCIAL DEVELOPMENT AND ENTREPRENEURSHIP IN CENTRAL ASIA» CONFERENCE



On February 22-23, GSB conducted a conference «*Impact Central: Bridging Social Development and Entrepreneurship in Central Asia*» conference. The program outlined an enriching two-day agenda designed to foster insightful discussions, collaborative research initiatives, and networking opportunities that span across the multifaceted themes of social development and entrepreneurship. «Impact Central» was designed as an interdisciplinary nexus for scholars, educators, practitioners, and students to discuss, share, and innovate for social change. With over 15 sessions, including thought-provoking panel discussions and leadership showcases, this event was set to spotlight groundbreaking research and practical endeavors shaping our region.

A BACHELOR'S DEGREE IN BUSINESS ADMINISTRATION



NUGSB announced the launch of its new academic program—a Bachelor's Degree in Business Administration, commencing in August 2024. It is tailored for individuals seeking to immerse themselves in the business world, master advanced management strategies, and cultivate the skills necessary for successful leadership in the contemporary corporate landscape.

ALUMNI BUSINESS BRUNCH "TECHNOLOGY TALKS"

On February 3, NUGSB hosted an alumni business brunch «Technology Talks», a convergence of knowledge and experience. Participants had a unique opportunity to engage with leading technology experts and GSB alumni over various topics, such as personal development paths in the tech sector, successful strategies and projects of startups, support and advancement of innovative technologies, and many more.



FOSTERING A GROWTH MINDSET FOR EFFECTIVE LEADERSHIP

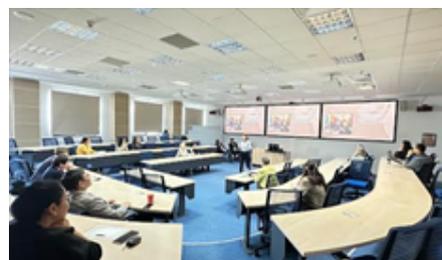


On February 7, Dr. Jason Lewis, a postdoctoral researcher with NU LEAD, conducted a workshop exploring growth mindset essential for effective leadership. The session discussed the core principles of a growth mindset, providing practical strategies and insights for cultivating this mindset in leaders. Participants learned how to encourage adaptability, embrace change, and seize opportunities for growth,

fostering leadership qualities that are indispensable in navigating the challenges and complexities of today's dynamic industries.

WORKSHOP ON INNOVATIVE TEACHING FROM BUSINESS 101

On February 15, The Center of Innovation in Learning and Teaching (CiLT) together with the NUGSB's Business 101 Team conducted a workshop on innovative teaching where the members of the team, Tim Wawn, Saniya Barbolova, Moldir Kainbayeva, and Zharaskhan Temirkhanov, offered a deep dive into the intricacies of course design, effective assessment strategies, and practical advice for managing large classes.



NUGSB: BUSINESS EDUCATION FOR LEADERS

NUGSB Chief Administrative Officer Yerken Turgunbayev and NU alumnus Yerbol Tulegenov discussed the advantages of the school's educational programs in the «[Business Morning](#)» show on Business FM.



BRIDGING THE TEACHING-RESEARCH-INDUSTRY GAPS: NUGSB'S COMBO MODEL



On February 29, GSB conducted [Open House Day](#) to introduce its MBA and MSF programs to the prospective applicants. At the Open Hour Session, Anjan Ghosh of NUGSB took the audience through the COMBO MODEL that converges the interests and actions of Students, Professors and Organizations. In collaboration with the industry—the faculty-members develop course works enabling students to study the participating organization. The students then collaborate with the Professors to convert their studies into research cases. The COMBO model establishes students as analysts, teachers as field experts and

at the same time promotes the participating organizations and their managerial excellence. A key goal is for students to translate this hands-on learning to their jobs and careers.

INTERNATIONAL WOMEN'S DAY AT GSB



On March 7, GSB hosted an evening dedicated to empowering discussions, networking, and recognition of women's achievements with the special guests of the panel session—Lyazzat Ibragimova (Chairperson of the Board, Otbasy Bank), Sara Bakirova (PR Director, Kazakhtelecom), Akmaral Kabdulova (Entrepreneur), and Zhanar Zhakupova (Financial Expert & Investor). The event was filled with enriching conversations, inspiring stories, and the chance to connect with leading figures from various sectors to celebrate the power and achievements of women in our community.

AWARDS AND RECOGNITION



Shumaila Yousafzai, Associate Professor at Graduate School of Business has been ranked in the top 3% of the most read profiles on [Academia.edu](#), a platform to share research and track citations. Professor Yousafzai was also appointed as an associate editor of Gender, Work and Organizations, a highly esteemed journal, 98th percentile, Scopus Q1.

Shumaila Yousafzai is an internationally established academic, researcher, and consultant specializing in entrepreneurship. Her research focuses on the vital intersection of entrepreneurial pathways, gender dynamics, and the empowerment of disadvantaged individuals. Through her work, she is striving to make a significant economic and societal impact, as evidenced by her 100+ publications in top-tier journals, such as like Human Relations and Entrepreneurship Theory and Practice, as well as an impressive citation count of over 6,800 and an h-index of 24. Shumaila, as well as a number of other NU scholars, is in the top 2% of world's scientists as per the list compiled by Stanford University researchers based on the Scopus database. She is also the founder and Director of the Nazarbayev University's Research Centre for Entrepreneurship (NURCE).

MEDIA COVERAGE

THE LEWIS FAMILY FEATURED IN JERUYIQ—QAZAQSTAN TV PROGRAM



Jenifer Lewis, Vice Dean for Academic Affairs at GSB, and Jason Lewis, postdoctorate at NU LEAD, who also conducts NU student choir, were featured in the TV program on 24.kz. Jenifer and Jason shared their family New Year traditions, discuss raising children and opportunities for professional realization, and talk about their contribution to the development of the university and the formation of the young generation of Kazakh leaders.

RESEARCH SEMINARS

- On March 11, Alexander Krasnikov presented [his research](#) “*Withdrawal of Brands as a Response to War Conflict*” at the Research Roundtable Series (MSU International Business Center).

At GSB:

- On January 19, there was a research seminar where Monowar Mahmood (Leadership, KIMEP) presented his work “*Good or Shrewd Employers: Employee Training and Development Practices of Developed Countries Multinationals in Developing Countries Contexts*.”
- On February 7, Nurlykhan Aljanova (Social Entrepreneurship, NURCE) presented her work “*Decolonizing Feminist «Knowledge»: “The Modern Woman” as Gendered Identity in Kazakh Influencer Culture*”.
- On February 26, Sueyoul Kim (Economics, University of Maryland) presented a work “*A Structural Model of Rewards Programs in Digital Platforms: The Case of Livestreaming*”.
- On February 28, Tsuyoshi Nakano (Macroeconomics, University of North Carolina) presented a work “*Currency Competition as a Discipline Device for the Government*”.
- On February 29, Pavel Chakraborty (International Trade, University of Lancaster) presented a work “*Do Lenders also Respond to Import Competition? Evidence from Bank-Firm Loan Level Data*”.
- On March 11, Rahman Khan (Economics, Westminster International University) presented a work “*Differential effects of workplace interruptions on Task performance: The Moderating Role of Mindfulness*”.

PUBLICATIONS

MARKET POWER OR FIXED COSTS GENERATING SCALE ECONOMIES?



In the world of economics, understanding how firms set prices relative to their costs is crucial for grasping broader economic trends and policies' impacts. A recent paper, forthcoming in *The Economic Journal*, titled «*Price-Cost Margins, Fixed Costs and Excess Profits*», by **Joep Konings** (NUGSB) and co-authors, dives deep into the dynamics of price-cost margins (PCMs) and their relationship with fixed costs. The paper uses a comprehensive firm-level dataset to

empirically test various hypotheses about the relationship between fixed costs and PCMs. The findings reveal a complex interplay where industries with higher fixed costs tend to exhibit higher PCMs. Higher margins are set to cover fixed costs, but the research shows that excess profits (i.e., after taking into account fixed costs) are close to zero, suggesting highly competitive product markets. This relationship underscores the importance of considering fixed costs when evaluating a firm's pricing strategies and market power, which has important implications for economic policy and competition law.

Doron Israeli has his paper on accepted for the 2024 Journal of Business Finance and Accounting (JBFA) Conference. This implies a publication in the JBFA (A* on the ABDC list and Scopus Q1). The title is «*Equity Book-to-Market Ratios Above One and Macroeconomic Risk*». This is joint work with Mary E. Barth of Stanford University and Suhas A. Sridharan of Emory University.

Shumaila Yousafzai has her paper accepted to *Management Decision*, a Scopus Q1 journal (top 5 percentile). The title is «*A Quintuple helix model (5HM) to develop circular entrepreneurial ecosystems*» (with Juan Diego Borrero).

Roza Nurgozhayeva has a paper accepted in *Chinese Journal of Environmental Law* (Scopus Q1 in Law). The title is «*The Belt and Road Initiative and Sustainability: A Driving Force for Change or a Missed Opportunity*».

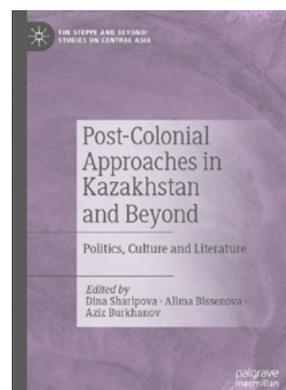
Roza Nurgozhayeva has also another paper accepted to the January issue of *Vanderbilt Journal of Transnational Law* (#6 international law journal in the Washington & Lee Law Journal Rankings). The title is «*Corporate Purpose Beyond Borders: A Key to Saving Our Planet or Colonialism Repackaged?*» co-authored with Dan W. Puchniak (Singapore Management University).

Francesco Rocciolo has a paper accepted in the *Financial Review* (ABDC—A, ABS—3). The title is «*CEO Overcaution and Capital Structure Choices*», together with Chris Brooks (Bristol) and Andrea Gheno (Rome III).



Graduate School of Public Policy News

POST-COLONIAL APPROACHES IN KAZAKHSTAN AND BEYOND: POLITICS, CULTURE, AND LITERATURE



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Alima Bissenova, Associate Professor, School of Sciences and Humanities, Nazarbayev University, Astana, Kazakhstan, abissenova@nu.edu.kz,

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This volume *Post-colonial approaches in Kazakhstan and Beyond: Politics, Culture, and Literature* is a collection of chapters focusing on the postcolonial and decolonial discourses in contemporary Kazakhstan and beyond. The idea to publish this book was conceived a few years ago when the decolonization processes were less widespread, and the term decolonization was not as articulated. The changed geopolitical landscapes in Eurasia spurred the emergence of new books and articles on postcoloniality and decolonization written by historians, anthropologists, and political scientists. The authors of this book aim to look at the long-term processes shaping societies and cultures in our region through the prism of postcolonial theory. This book focuses on national and religious identity, language, literature, historical narratives, and memory politics. Even though the postcolonial theory initially emerged in other regions of the world, it has increasingly been applied in the scholarship on Central Asia. Kazakhstan has been a particularly productive ground for genuine and thoughtful academic discussion and dialogue in this direction. Exploring recent debates on post-coloniality in Kazakhstan and Kyrgyzstan, this book is an attempt to bring together several bodies of scholarly literature: scholarship on culture and society in post-Soviet Central Asia, broadening the postcolonial framework and application of postcolonial theory, and a growing

body of research in memory studies. The volume's authors show how applying the postcolonial framework sheds a different light on the nature of the social processes and cultural phenomena. Although this volume does not give exact pointed answers to questions of who and when is the postcolonial and what was then the colonial, it offers a complex mosaic of actors, processes, discourses, and practices that are taking place in contemporary Central Asia. This volume will interest scholars of Eurasian studies, political science, researchers, and students of post-colonialism in various contexts beyond Eurasia.

The given book information is available [here](#).



Pictured: Professor Lynne Parmenter leads group discussion during her seminar on “Positive Peace Education in Kazakhstan.”

This segment of the report outlines the activities accomplished within the Central Asian Research Centre for Educational Innovation and Transformation (CARCEIT) projects from January to March 2024. 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.

Commencing in 2023, CARCEIT started funding nine research projects spanning three key areas: International Collaborative Education Projects (ICEP), Educational Innovation and Transformation Projects (EITP), and Education Impact Projects (EIP). As the 2023 EIPs complete their studies, three new EIPs have been launched in 2024, bringing the total to twelve projects. Other notable aspects of the report encompass ongoing seminars, updates on published articles, and a professional development session coordinated with the Political Economy of Education Research (PEER) Network.

For further details, please visit our website at carceit.nu.edu.kz or reach out to us via email at carceit@nu.edu.kz. You can also visit our social media for the latest updates on Instagram: [nu_carceit](https://www.instagram.com/nu_carceit), X(formerly Twitter): [@carceit](https://twitter.com/carceit) and LinkedIn: [nu-carceit](https://www.linkedin.com/company/nu-carceit).



LAUNCH OF THREE NEW EDUCATIONAL IMPACT PROJECTS



- Co-Principal Investigator (PI): Alexandra Nam, MA in Multilingual Education (2018)
- Faculty Mentor: Prof. Naureen Durrani, Professor, NUGSE
- Title: “Visualizing Success using AI-generated Images: Unveiling Challenges and Success Strategies of Undergraduate Women in IT Degrees”
- This study aims to explore undergraduate women’s perspectives on the challenges they face and the success strategies they use in pursuing their academic degree in IT, and what they see as important factors to successfully navigate through the pipeline.



- Co-PI: Aida Nuranova, MA in Multilingual Education (2020)
- Faculty Mentor: Dr. Kairat Kurakbayev, Asst. Faculty, NUGSE
- Title: “Changing Academic Profession in Kazakhstan: Examining Faculty’s Research Performativity and Accountability in the Post-Socialist Context of Higher Education”
- The proposed study will explore how faculty members at regional public universities adapt to and experience neoliberal reforms in the post-socialist context of higher education.



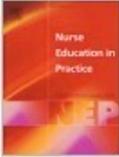
- Co-PI: Assel Sadykova, MA in Multilingual Education (2022)
- Faculty Mentor: Dr. Michelle Bedeker, Asst. Faculty, NUGSE
- Title: “Students’ Transition and Navigation of Language, Identity and Culture in Academic Texts: Exploring Systemic Functional Linguistics and Bourdieu”
- This social, epistemic and linguistic justice study intersects applied linguistics with Bourdieu’s theory of cultural capital to illustrate how students’ socioeconomic statuses, school biographies, and geographical locations can contribute to identity, cultural and language-based inequalities when students transition from school to university.

PUBLICATIONS

CARCEIT is excited to announce the publication of an article by Dr. Jonas Cruz, principal investigator, and his research team. The article, titled "**Environmental Sustainability in Healthcare: A Qualitative Study of the Perspectives of Nursing, Medical, and Public Health Students in Kazakhstan**," has been published in the Nurse Education in Practice (NEP) journal. NEP is a Q1 journal in Social Sciences (Education) and Nursing (General Nursing). The study investigated the perspectives of nursing, medical, and public health students on environmental sustainability in healthcare. Please access the published article by using the DOI listed below.



Nurse Education in Practice
Volume 76, March 2024, 103917



Environmental sustainability in healthcare: A qualitative study of the perspectives of nursing, medical and public health students in Kazakhstan

Ejercito Mangawa Balay-odao^a, Paolo C. Colet^a, Joseph U. Almazan^a, Anargul Kuntuganova^b,
Alma Syzdykova^c, Zulyar Kavashev^d, Meruyert Smagulova^e, Zhaniya Dauletkaliyeva^f,
Aizat Seidakhmetova^g, Jonas Preposi Cruz^{a1}  

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<https://doi.org/10.1016/j.nepr.2024.103917> [Get rights and content](#) 

Abstract

The aim was

This study explored the perspectives of nursing, medical and public health students on environmental sustainability in healthcare.

Dr. Cruz's study is a component of the broader CARCEIT Educational Innovation and Transformation Project (EITP) on "**The Qaz Green Health Project: Developing Environmental Sustainability in Healthcare Competence of the Present and Future Healthcare Workforce in Kazakhstan.**"

CARCEIT team member Peter Shon, Ph.D., has contributed his chapter titled "**Higher Education Reforms and Policy Context: Implications for Leadership in Kazakhstan**" to the book "**Redefining Educational Leadership in Central Asia**," which was unveiled at the CIES Conference in Miami on March 14th.

The book provides politicians, researchers, graduate students, and practitioners with a resource of knowledge and insights that can be used to analyze and revise leadership policies and practices in the face of rapid change and increased expectations from these leaders. The book is a long-awaited supplement to the existing literature on education leadership in this region, where there is little research on this critically important topic. The broader implications this book will propose for policy reform and leadership will attract audiences from other countries around the world.



REDEFINING EDUCATIONAL LEADERSHIP IN CENTRAL ASIA

Selected Cases from
Kazakhstan and Kyrgyzstan



Edited by

MIR AFZAL TAJIK
TSEDISO MICHAEL MAKOELE

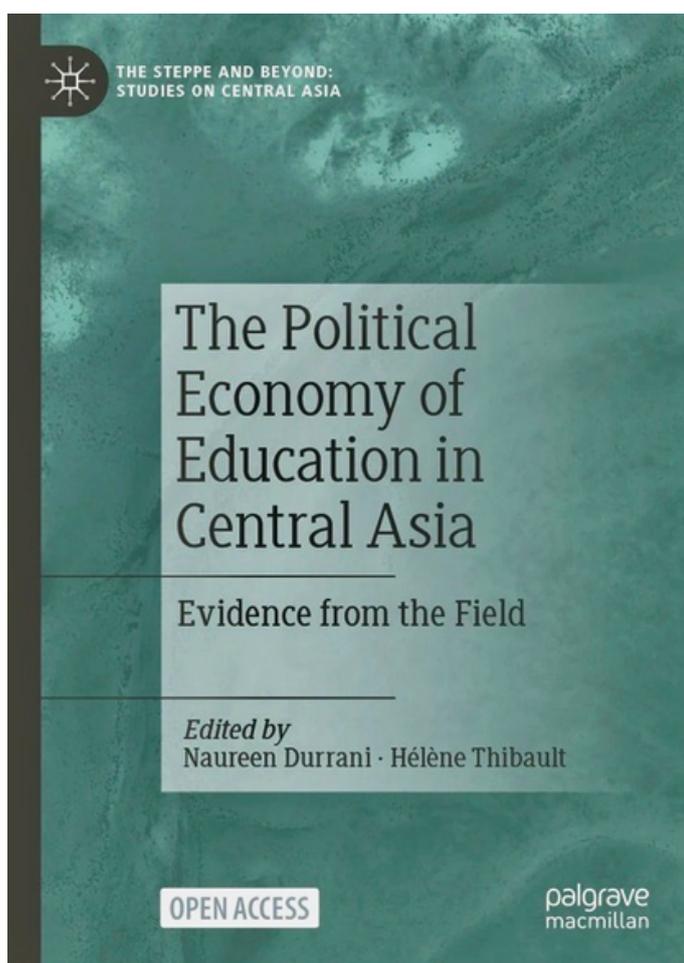


Citation: Shon, P. (2024), "Higher Education Reforms and Policy Context: Implications for Leadership in Kazakhstan", Tajik, M.A. and Makoelle, T.M. (Ed.) *Redefining Educational Leadership in Central Asia*, Emerald Publishing Limited, Leeds, pp. 181-199.

<https://doi.org/10.1108/978-1-83797-390-320241011>

On March 5th 2024, the Central Asia Hub of the Political Economy of Education Research Network (PEER Network) hosted a Book Launch Event at Nazarbayev University, following the publication of their book entitled “**The Political Economy of Education in Central Asia.**” Professor Naureen Durrani, Director of both CARCEIT and PEER Network, served as a co-editor alongside Associate Professor H el ene Thibault from the School of Sciences and Humanities, Political Science and International Relations at Nazarbayev University.

This open access book is intended as an original contribution to the conversation on the role and challenges of education in Central Asia to promote social cohesion by looking at Kazakhstan, Tajikistan and Uzbekistan. Examining education challenges within the countries’ wider historical, social, political, and cultural context, the contributions explore existing discourses concerning national identity, religion, language, gender, inclusion, internationalization of education, and non-state actors through a Political Economy Analysis (PEA) lens. With the understanding that education is both a powerful mechanism of social reproduction in societies and a driver of social change, the book attempts to promote political economy analysis of education as a helpful analytical tool for educational debates and reform agendas in the region and thus will be a valuable resource for policymakers, practitioners, and scholars in this region and beyond.



Citation: Durrani, N., and H. Thibault. 2023. *The Political Economy of Education in Central Asia: Evidence from the Field*. Singapore: Palgrave MacMillan.

Professor Naureen Durrani and PhD student Vanessa Ozawa have co-authored a publication titled “**Education in Emergencies: Mapping the Global Education Research Landscape in the Context of the COVID-19 Crisis.**” This study adopts an education in emergencies perspective to examine the global educational research scenario during the COVID-19 pandemic. The study brings attention to the inequalities in research representation, identifies significant themes in education and COVID-19 research, and underscores the necessity for more comprehensive and impactful studies to influence a robust and fair education system.

From the Abstract: This study uses an education in emergencies (EiE) lens and a scientometric approach to examine the educational research landscape during the COVID-19 pandemic by analyzing 95,628 publications indexed in the Web of Science Core Collection database from 2020 to February 2023. It employed descriptive and network approaches to map growth trajectory, productivity, social structure, conceptual structure, and research methodologies used in the retrieved sources. The findings reveal a steady increase in publications on education and COVID-19 since the onset of the pandemic.

SAGE Open
Volume 14, Issue 1, January 2024
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<https://doi.org/10.1177/21582440241233402>

Sage Journals

Education in Emergencies: Mapping the Global Education Research Landscape in the Context of the COVID-19 Crisis

Naureen Durrani and Vanessa Ozawa

Abstract
This study uses an education in emergencies (EiE) lens and a scientometric approach to examine the educational research landscape during the COVID-19 pandemic by analyzing 95,628 publications indexed in the Web of Science Core Collection database from 2020 to February 2023. It employed descriptive and network approaches to map growth trajectory, productivity, social structure, conceptual structure, and research methodologies used in the retrieved sources. The findings reveal a steady increase in publications on education and COVID-19 since the onset of the pandemic. However, the majority of productive countries and institutions are in the Global North, with limited representation from the Global South, except for China. English is the dominant language in publications, and funding agencies from English-speaking countries are the most active. The most frequently occurring keywords revolve around performativity, institutions, teaching methodologies, attitudes, and experiences, while keywords related to social justice are a peripheral focus. Publications mainly focus on technical and methodological aspects of education, such as online teaching and learning. Most productive journals represent a mix of foci and are not limited to distance learning. The extracted literature showcases diversity in research methodologies used. Future studies should use systematic reviews on narrow topics to evaluate the effects of the pandemic, inform decision-making, enhance education system resilience, and envision a more equitable education system. The study's contributions are notable for its unique EiE perspective, comprehensive scope, extensive data extraction, and meticulous examination of research design, effectively addressing limitations in bibliometric software.

Plain Language Summary
Understanding education during COVID-19: mapping global research in emergency situations

Citation: Durrani, N., & Ozawa, V. (2024). Education in Emergencies: Mapping the Global Education Research Landscape in the Context of the COVID-19 Crisis. SAGE Open. <https://doi.org/10.1177/21582440241233402>

The paper titled "**Political Economy Analysis of Education in Central Asia: The Case of Kazakhstan, Kyrgyzstan, Tajikistan, and Uzbekistan**" has been published in *Globalisation, Societies, and Education*. The authors of this paper are PhD student Vanessa Ozawa, Professor Naureen Durrani, and Dr. H  l  ne Thibault from the School of Humanities and Social Sciences. The study delves into the political economy analysis of education in the mentioned Central Asian countries, exploring the intricate connections between politics, economy, society, and education policy. The aim of the study is to illuminate the impacts of post-Soviet education reforms on social justice and cohesion.

From the Abstract: The findings reveal that despite commitments to building peaceful and inclusive societies, the education systems in these states tend to promote asymmetric nationalist discourses and adopt neoliberal practices, resulting in the marginalisation of vulnerable groups, such as ethnic minorities, women, rural populations, and devout believers. The implications of these findings can inform efforts to promote sustainable positive peace and social cohesion through education.

Research Article

The political economy of education in Central Asia: exploring the fault lines of social cohesion

Vanessa Ozawa , Naureen Durrani  & H  l  ne Thibault 

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ABSTRACT

This scoping review examines the political economy analysis of education in four Central Asian states – Kazakhstan, Kyrgyzstan, Tajikistan, and Uzbekistan. By analysing the intersections of politics, economy, society and education policy, the study aims to understand the impact of post-Soviet education reforms on social justice and cohesion. The findings reveal that despite commitments to building peaceful and inclusive societies, the education systems in these states tend to promote asymmetric nationalist discourses and adopt neoliberal practices, resulting in the marginalisation of vulnerable groups, such as ethnic minorities, women, rural populations, and devout believers. The implications of these findings can inform efforts to promote sustainable positive peace and social cohesion through education.

KEYWORDS: [Education](#) [Central Asia](#) [political economy of education](#) [inequalities](#) [social cohesion](#)

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KNOWLEDGE EXCHANGE & RESEARCH IMPACT

Meriy Tursanbayeva and Anar Abildina, alumni of Nazarbayev University Graduate School of Education (NUGSE) and Co-Principal Investigators of CARCEIT 2023 Education Impact Project (EIP) on "**The Impact of Orientation Programs on First-Year Students' Academic Performance**," conducted a study investigating the influence of orientation programs on the academic performance and university experience of first-year students. The research explored how different orientation approaches impact student engagement, sense of belonging, and social integration on campus.



After finalizing the induction-week guideline manual in English, Russian, and Kazakh languages, the research team conducted orientation training sessions at De Montfort University, Suleyman Demirel University, and Almaty Management University. A manuscript detailing the project was submitted to the research journal of Al Farabi Kazakh National University in January of 2024.

RESEARCH SEMINARS

The months of February and March were filled with research seminars led by our principal investigators. These seminars covered a range of subjects including student mobility, bibliometrics on early childhood education, positive peace education, sustainability in higher education, and regional universities.

On February 7th, the team of the CARCEIT Educational Impact Project (IEP), **"Exploring STEM Students' International Mobility in Kazakhstan in the Context of Geopolitical Tensions"** presented their topic to the learning, teaching, and research community of Nazarbayev University.

Led by the Principal Investigator of the project, Dr. Ainur Almukhambetova, and team members Assylzhan Ospanbek and Manat Sergazina, the seminar commenced with a comprehensive introduction to their project. Since Kazakhstan is one of the top 10 countries sending national students abroad, with STEM students making up one of the largest categories, the study explored the ramifications for higher educations in home and receiving countries, especially during geopolitical tension.



This study sparked discussions about understanding whether and how the conflict between Russia and Ukraine has impacted student mobility patterns, as well as what factors determine students' decisions in current reality. Throughout the session, the audience was deeply engaged in the presentation. At the end of this session, the team addressed inquiries from the audience, which ranged from questions about the role of Kazakhstan and the future opportunities that may draw students to the region to the gendered mobility patterns in the context of the current conflict.

On February 14th, Dr. Laura Ibrayeva delivered a presentation on the findings of the ICEP team's bibliometric review study during the CARCEIT seminar series. Her seminar, titled '**Scientific Mapping of Early Childhood Education and Care (ECEC) Research**,' focused on examining the growth and trends in research within this field. Her research is part of the study on '**Young Minds: Exploring the Role of Positive Early Childhood Education and Care in the Health and Well-being of Young Children in Kazakhstan**,' led by Dr. Daniel Torrano as the principal investigator.



Through a comprehensive and visual overview of bibliometrics, Dr. Ibrayeva explored various aspects such as growth patterns, productivity, social dynamics, intellectual landscape, and conceptual developments over the past five decades on the topic of ECEC. Her interactive presentation style sparked a lively discussion among attendees regarding the implications of bibliometric analysis for future research and practice.

On February 21st, the team of the CARCEIT International Collaborative Education Project (ICEP), **"Positive Peace Education in Kazakhstan,"** presented their topic to the learning, teaching, and research community of Nazarbayev University.



Led by the Principal Investigator of the project, Professor Lynne Parmenter, and team members Assylzhan Ospanbek and Aizat Arystanbek, the seminar commenced with a comprehensive introduction to their project, team, Positive Peace Matrix, methodology, and the notable progress achieved in the development of the project. What distinguished this seminar was the interactive engagement with the audience, guided by discussions surrounding previous schooling and education experiences, viewed through the lens of the Positive Peace Matrix.

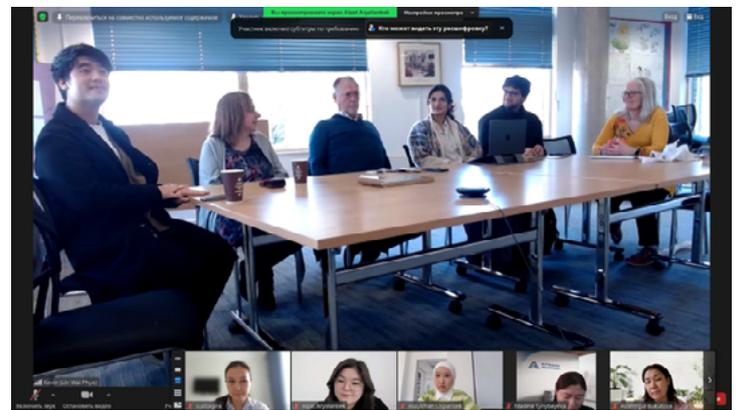
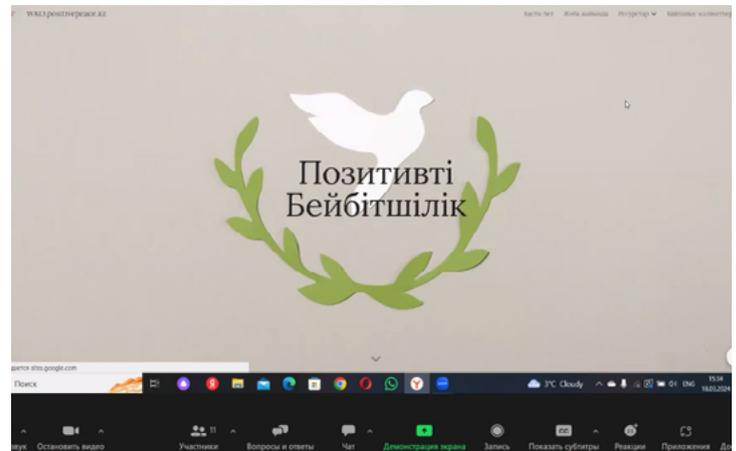


These conversations sparked profound reflections and enriched our understanding of educational paradigms. Throughout the session, the team shared insights from their work with participating schools and outlined future goals. At the end of this session, the team addressed inquiries from the audience, which ranged from questions about sustainability to questions about the cultural relevance of the topic and parental involvement.



On March 18th, the research team from "Positive Peace Education in Kazakhstan," presented their ongoing work at the University of Cambridge, U.K. The presentation was attended by members of the Faculty of Education, the Cambridge Peace and Education Research Group (CPERG), and researchers from various countries around the world.

Lynne Parmenter (project PI) and Hilary Cremin (project co-PI) were present at Cambridge for the seminar, while Madina Tynybayeva (project co-PI), Aizat Arystanbek, Assylzhan Ospanbek, Assemgul Bukutova, and Gulbagira Toleu (Research Assistants) joined online from Kazakhstan. The Kazakhstani-based researchers introduced the audience to the project, presenting the educational landscape in Kazakhstan, project purpose and methodology, key achievements so far, and future goals.



The team also shared progress on their work with 33 teachers across 7 schools in Kazakhstan. These teachers have designed and are implementing action research projects based on the Positive Peace Matrix, following intensive workshops led by Hilary Cremin and NU-based researchers in Astana, Kazakhstan. Findings from these action research projects and teacher reflections, along with interview and questionnaire data, will be used to inform curriculum debate and development in Kazakhstan.

Madina Tynybayeva, project co-PI and President of the Altynsarin National Academy of Education, also addressed questions concerning the cultural relevance of the concept and the intricacies of the curriculum in Kazakhstan, drawing from her extensive expertise in the field.

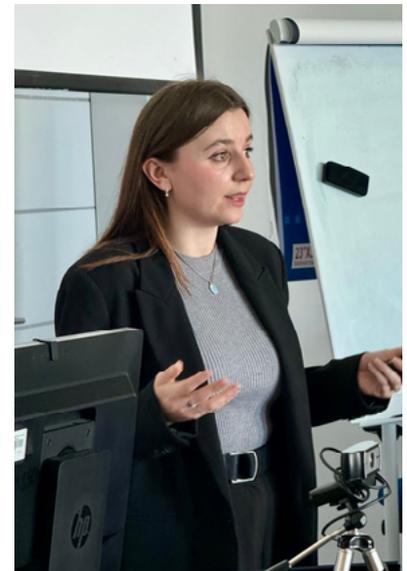


On February 28th, the CARCEIT EITP team, led by Dr. Gulzhanat Gafu and consisting of Nurgul Terlikbayeva and Anara Zhanseitova, presented their ongoing work on **"Sustainability Education and Higher Education Institutions in Kazakhstan: a Student Perspective."** The focus was on Education for Sustainable Development (ESD), especially analyzing national higher education and institutional policies in Kazakhstan with the discussion focusing on **"What is Education for Sustainable Development and is it reflected in Higher Education Policies in Kazakhstan?"**

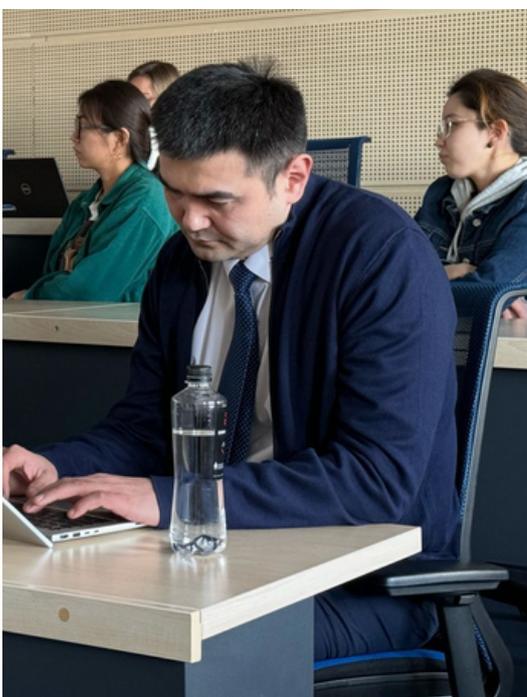


The research team introduced their project and outlined its objectives, research questions, and methodology, while also clarifying the concept of ESD. Attendees were encouraged to contemplate their understanding of ESD and reflect on their past educational experiences related to ESD values. The team then discussed national and institutional policies in Kazakhstan, examining whether they align with ESD principles. Concluding with key points, the audience engaged in a stimulating discussion, posing insightful questions that the team found beneficial for their ongoing research.

On Wednesday, March 6th, the CARCEIT International Collaborative Project (ICEPT) team, titled "**Strengthening Regional Universities in Kazakhstan**," presented their topic to the learning, teaching, and research communities, not only within the Nazarbayev University community but also to interested communities across Kazakhstan via Zoom.



The seminar was conducted by the Principal Investigator Ahmet Aypay, along with team members Alper Çalikoğlu and Diana Kalemeneva. The presenters delivered a comprehensive introduction to their project, discussing the role of regional universities, trends, and approaches to their engagement with the global, national, and local communities. They also outlined their methodology and presented preliminary findings from their analysis of the strategic plans of 14 regional universities. Additionally, the team presented a systematic review of the regional universities' involvement with various stakeholders. NU Vice President, Dr Darkhan Bilyalov, attended the seminar and pointed out productive areas for the future and the significance of the study for the current higher education agenda in the country



PROFESSIONAL DEVELOPMENT



On March 4th, 2024, the Central Asian Research Centre for Educational Innovation and Transformation (CARCEIT) and the Political Economy of Education Research Network (PEER Network) jointly organized a one-day workshop on "**Research Outputs and Dissemination**" at Nazarbayev University Graduate School of Education. The workshop was designed for research assistants and current doctoral students. Facilitated by Professor Kelsey Shanks from Ulster University and Professor Naureen Durrani from Nazarbayev University, the session explored various ideas and approaches for developing a research dissemination strategy.

Discussions revolved around the significance of academic networks, stakeholder mapping, dissemination formats, research utilization, overcoming barriers, and ethical considerations, accompanied by illustrative case examples. Participants had the chance to receive feedback on their dissemination strategies from both their peers and the facilitators.





TRAILBLAZERS OF THE STEPPE

Nazarbayev University's Research Centre for Entrepreneurship (NURCE) is gearing towards the release of our new book, «Trailblazers of the Steppe,» a collection of 50 inspiring narratives celebrating the remarkable journeys of Kazakh women entrepreneurs. This book is a tribute to the pioneering spirit, resilience, and diverse achievements of women who have shaped the entrepreneurial landscape in Kazakhstan. «Trailblazers of the Steppe» goes beyond just stories of business success; it dives into the personal journeys, challenges overcome, and the cultural richness that these women bring to the world of entrepreneurship. From traditional settings to modern boardrooms, these narratives showcase a vibrant tapestry of leadership, innovation, and empowerment.

Each story is a beacon of inspiration, highlighting the unique path each woman has taken to forge her destiny against the backdrop of the majestic Kazakh steppes. The narratives not only celebrate individual achievements but also underscore the collective strength and potential of women in shaping the future. As we prepare for the launch, we invite you to join us in celebrating the courage, creativity, and determination of these trailblazing women. Stay tuned for more details on the release date and how you can get your hands on a copy of this empowering collection.

Editors: Shumaila Yousafzai,
Nurlykhan Aljanova and
Nurlan Kulbatyr

Alexander Parkyn-Smith
Visual Ethnographer

Assel Abdrakhmanova and
Emina Yessekeyeva
Project Manager

Amina Chaia, Nurlyaiym
Zhaksybayeva, Zhansaule
Kimmel, Eva Lennartz
Researchers

Afterward by Professor
Philipp Schröder





PEER NETWORK BOOK LAUNCH ON MARCH 5TH, 2024

On March 5th 2024, the Central Asia Hub of [the Political Economy of Education Research Network \(PEER Network\)](#) held a Book Launch Event at Nazarbayev University, following the publication of their book entitled [“The Political Economy of Education in Central Asia”](#).

The PEER Network is a three-year Research Consortium of four universities (Sussex, Ulster, Cape Town, and Nazarbayev) funded by the Global Challenge Research Fund (GCRF) via UK Research and Innovation (UKRI). The project aimed to support early-career Central Asian scholars and produce locally grounded research using a Political Economy Analysis (PEA) lens. The findings from small-scale research projects conducted by Central Asian early career researchers within the framework of the project have been published in a book, “The Political Economy of Education in Central Asia” by Palgrave.

At the event, some authors presented their study, including Dr Assel Sharivmova (Graduate School of Education, Nazarbayev University), who introduced “Understanding the Political Economy of Education: Exploring Debates in Central Asia”, discussing how national identities, political history, non-state and international actors, religion, language, and gender foster or hinder inclusive education and social cohesion through a PEA lens.



Diana Toimbek, Lecturer, School of Applied Social and Policy Sciences, Ulster University

“Fighting Illiteracy and Political Enlightenment: Soviet Educational Policies in the 1920s”



Aigerim Mussabalinova, Assistant Professor, School of Law, KIMEP University

“The Right to Education of Children Affected by Nuclear Tests in the Semipalatinsk Region, Kazakhstan (1991-2021)”



Zilola Khalilova, Postdoctoral Fellow, Beruni Institute of Oriental Studies, Academy of Sciences of Uzbekistan

“Religion and Spirituality in Public Schools of Post-Soviet Uzbekistan”



Ainur Almukhambetova, Instructor, Graduate School of Education, Nazarbayev University

“Exploring STEM Teacher Educators’ Gender Awareness and Understanding of Gender-responsive Pedagogies in Kazakhstan”



Zhazira Bekzhanova, Teacher-researcher, Heriot-Watt International Faculty, Aktobe Regional University named after K. Zhubanov

“Uncovering Gender, Language and Intersected Asymmetries in History Textbooks”



Alexandra Nam, Research Assistant, Graduate School of Education, Nazarbayev University

“Medium of Instruction, National Identity and Attitudes Towards Gender Roles in Kazakhstan”



Fariza Tolesh, Associate Professor, School of Creative Industry, Astana IT University

“Access to Education and Labour Market Participation of Ethnic Minorities in Kazakhstan. The Case of Uzbeks”.

Accounting for regional variation, the authors’ research contributes to existing discussions on. The book will be a valuable resource for policymakers, practitioners, and scholars in this region and beyond. The book is an open access publication and can be downloaded through the following [link](#).

RESEARCH PUBLICATION WORKSHOP FOR PEER NETWORK FELLOWS



Following the Event dedicated to the launch of the book «The Political Economy of Education in Central Asia», the PEER Network Central Asia Hub organised a two-day “Research Publication Workshop for PEER Network Fellows” on March 5th and 6th. To encourage the fellows to further utilize their studies, including the processes, data and findings, the workshop aimed to explore ideas and opportunities for further publications and collaborations. During the workshop, which Professor Durrani and Professor Thibault facilitated, the fellows were introduced to different publication types and approaches.



Simultaneously, they were invited to reflect on their positionalities and their implications for research methodologies and ethics, underscoring various possibilities in utilizing and presenting their studies. During the workshop, Professor Thibault and doctoral candidate Vanessa Ozawa (Graduate School of Education, Nazarbayev University) facilitated a session on “Reflecting on Researcher’s Positionality” based on their fieldwork experiences. Therefore, the fellows actively engaged in reflections on how to present their research in different formats and from various angles. To further incite the fellows

for collaboration, brainstorming sessions were also held, during which a range of key themes for potential publications were shared based on their studies.

EMPOWERING WOMEN THROUGH EDUCATION: PRESENTATION OF THE GENDER EDUCATION LIBRARY GUIDE

YELIZAVETA KAMILOVA

EXPERT MANAGER, TEACHING AND LEARNING OFFICE, LIBRARY

Nazarbayev University (NU) Library is an active participant committed to advancing the UN 2030 agenda and addressing issues related to the 17 Sustainable Development Goals within Nazarbayev University and integrates these principles into NU Library programs. In commemoration of International Women's Day, NU Library in collaboration with NU schools and student clubs, annually hosts the Week of Women (WoW) throughout March.

The Week of Women (WoW) program aligns with global initiatives advocating for awareness, diversity, inclusion, and recognizing women's significant contributions to society, with the series of activities are organized to commemorate International Women's Day with the following objectives:

- Enhance awareness among diverse audiences regarding women's roles and achievements.
- Facilitate discussions on strategies to promote gender equality and uphold women's rights.
- Advocate for inclusive and quality education, fostering ideas for women's progress.

This year NU Library hosted Gender Education Forum: Empowering Women through Education, collaboratively with the NU School of Humanities and Sciences - Department of Kazakh Language and Turkic Studies, and

in partnership with Kazakh State Women's Pedagogical University, which aimed to tackle gender education issues in Kazakhstan and promote women's empowerment through education. Empowering Women through Education marks a significant step within the broader context of the Annual Week of Women at NU Library.





As part of the week-long celebration honoring women's contributions and achievements, this event served as a platform to bring together influential speakers and esteemed guests such as:

- **Zhuldyz Dosbergenovna Suleymenova**, Deputy of the Mazhilis of the Parliament of the Republic of Kazakhstan - addressed significant legislative reforms in the Republic of Kazakhstan and upcoming innovations set to be implemented soon. Also about the initiatives

emphasizing the importance of gender education at the state level, as well as protecting women's rights and expanding their participation and influence in political decision-making processes.

- **Dina Amrisheva**, Acting head of UN Women Kazakhstan - shared initiatives and thoroughly discussed the existing projects of the division, providing comprehensive insights into the ongoing efforts and developments within the UN Women Kazakhstan.
- **Loretta O'Donnell**, Vice Provost, Academic Affairs, Nazarbayev University - engaged in an in-depth discussion regarding the NUCRE Case Study: Creating Social Impact, delving into its key components, challenges, and opportunities for fostering positive change within the Nazarbayev University community.
- **Lyazzat Alshinova**, Founder of the "Zamandas21" Public Foundation - presented the outcomes of the social project and shared compelling success stories of the project participants, offering inspiration and insight into the impact of their initiatives.
- **Aizhan Salimzhanova**, Director of the Center for Social and Gender Research of Kazakh National Women's Teacher Training University - showcased the organization's activities and highlighted its projects, expressing gratitude to Nazarbayev University for their collaboration and fruitful partnership.

Within the framework of gender forum the NU Library Teaching & Learning Librarian Yelizaveta Kamilova introduced a guide dedicated to [Gender Education](#). This guide supports the AP19680587 project titled «*The scientific concept of gender education in the universities of Kazakhstan: theoretical and methodological foundations,*» endorsed by The Committee of Science of the Ministry of Science and Higher Education of the Republic of Kazakhstan. The gender education project, conducted in collaboration with NU School of Humanities and Sciences - Department of Kazakh Language and Turkic Studies and Kazakh State Women's Pedagogical University, underscores the commitment of NU Library to research and education.

The guide compiles a diverse range of electronic resources specifically relevant to the field of gender education, encompassing various topics such as gender identity, equality, and social justice. This extensive collection provides gender education researchers with a comprehensive platform to explore, analyze, and engage in meaningful discussions surrounding the multifaceted aspects of gender education, catering to both beginners and professionals. The NU library Gender Education Guide emphasizes the dedication to providing resources and support for advancing gender equality and empowering women through education initiatives.

Gender Education: Main

Gender education related resources

Search this Guide Search

Main UN Women Kazakhstan UN Sustainable Development NU Library Collections Open Access Journals on Gender

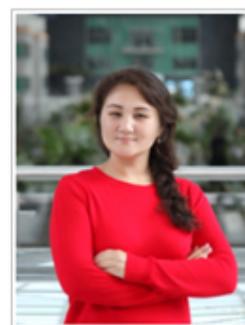
Media and Gender Resources Online Gender Statistics Sources

This guide was compiled by NU library staff to support the AP19680587 "The scientific concept of gender education in the universities of Kazakhstan: theoretical and methodological foundations." project supported by The Committee of Science of the Ministry of Science and Higher Education of the Republic of Kazakhstan gender education project in collaboration with NU School of Humanities and Sciences - Department of Kazakh Language and Turkic Studies and our project partner Kazakh State Women's Pedagogical University. The NU Library staff is committed to supporting research and education, and this guide contains electronic resources related to gender education. Users are encouraged to think critically when applying the information and recommendations in this manual to their projects and training needs.

Introduction

The fourth technological revolution is bringing changes to the direction and structure of world science. The content of the socio-humanitarian direction has expanded and new concepts of education have appeared. Gender education is one of the rapidly developing areas of public and social education. Gender education, which began in the second half of the 20th century in Western countries, was implemented in Kazakhstan from the first years of independence. The operation of research centers focused on gender studies has influenced the formation of education in this field. Now half of the higher education institutions are conducting subjects with gender content. Their main direction and fields are expanding. At first, the scope of gender education, which included only sociological direction, was filled with politics, economics, philology, and history. However, in Kazakhstan, interdisciplinary connections are not visible in gender education, the direction of gender education is not completely separated.

Subject Librarian for Graduate School of Education & Public Policy



Yelizaveta Kamilova

The Kazakh version of the guide

- Гендерлік білім беру
by Yelizaveta Kamilova Last Updated Jan 24, 2024 83 views this year

On the main page of the guide users may observe the overview of the guide's contents and its purpose. It includes introductory information about gender education project and how users can navigate the guide effectively. This tab offers general resources or links to other sections of the guide for users to explore further.

UN Women Kazakhstan: This tab provides information and resources related to the work of UN Women in Kazakhstan. Users can find details about UN Women's initiatives, campaigns, and programs aimed at promoting gender equality and empowering women in Kazakhstan. The tab includes links to reports, publications, events, and other resources provided by UN Women specific to Kazakhstan.

UN Sustainable Development: In this tab, users can access information about the UN's Sustainable Development Goals (SDGs) and their relevance to gender equality. It includes an overview of the SDGs related to gender, such as Goal 5 (Gender Equality), as well as links to resources, reports, and initiatives by the UN aimed at advancing gender equality and women's empowerment within the broader framework of sustainable development.

NU Library Collections: This tab provides access to gender-related resources available in the Nazarbayev University Library's collections. Users can find links to books, eBooks, journals in the library's catalog that cover various aspects of gender studies. The tab includes search tips or instructions on how to locate gender-related resources within the library's collections effectively.

Open Access Journals on Gender: Here, users can explore a curated list of open-access journals that publish research on gender-related topics. The tab includes links to journals in the field of gender studies that offer free access to their articles and publications. Users can browse through these journals to find scholarly articles, research papers, and other academic resources on gender issues.

Media and Gender Resources Online: This tab provides links to online resources, websites, and databases that focus on media representations of gender and related topics. Users can find resources related to gender in the media, including articles, reports, blogs, videos, and other multimedia content.

Gender Statistics Sources: In this tab, users can access sources for gender-related statistics and data. It includes links to databases, reports, and publications that provide statistical information on various aspects of gender, including education, employment, health, violence, and social inclusion. Users can find reliable data sources from international organizations, government agencies, research institutions, and non-profit organizations that collect and analyze gender statistics.

It is also important to emphasize the availability of the Gender Education Guide in Kazakh language as well ([Гендерлік білім беру](#)). Since the NU Library guide is searchable on Google researchers exploring the gender studies in Kazakh language will also be able to locate the guide and utilize the collection provided.



FREE PUBLISHING IN OPEN ACCESS UNDER TRANSFORMATIVE AGREEMENT 2024

We are pleased to announce that NU has renewed its agreement with Cambridge University Press (CUP) for a Read and Publish contract for the year 2024. Under this agreement, researchers affiliated with Nazarbayev University will continue to have access to the Cambridge University Press Journals (CUPJ) collection. Additionally, affiliated corresponding authors will enjoy the benefit of unlimited Open Access (OA) publishing in CUPJ hybrid open access and wholly open access journals within this collection.

With this renewed contract, articles authored by researchers from our institution can be published under the Gold and Hybrid OA model at **no extra cost**, enhancing the visibility and impact of our research.

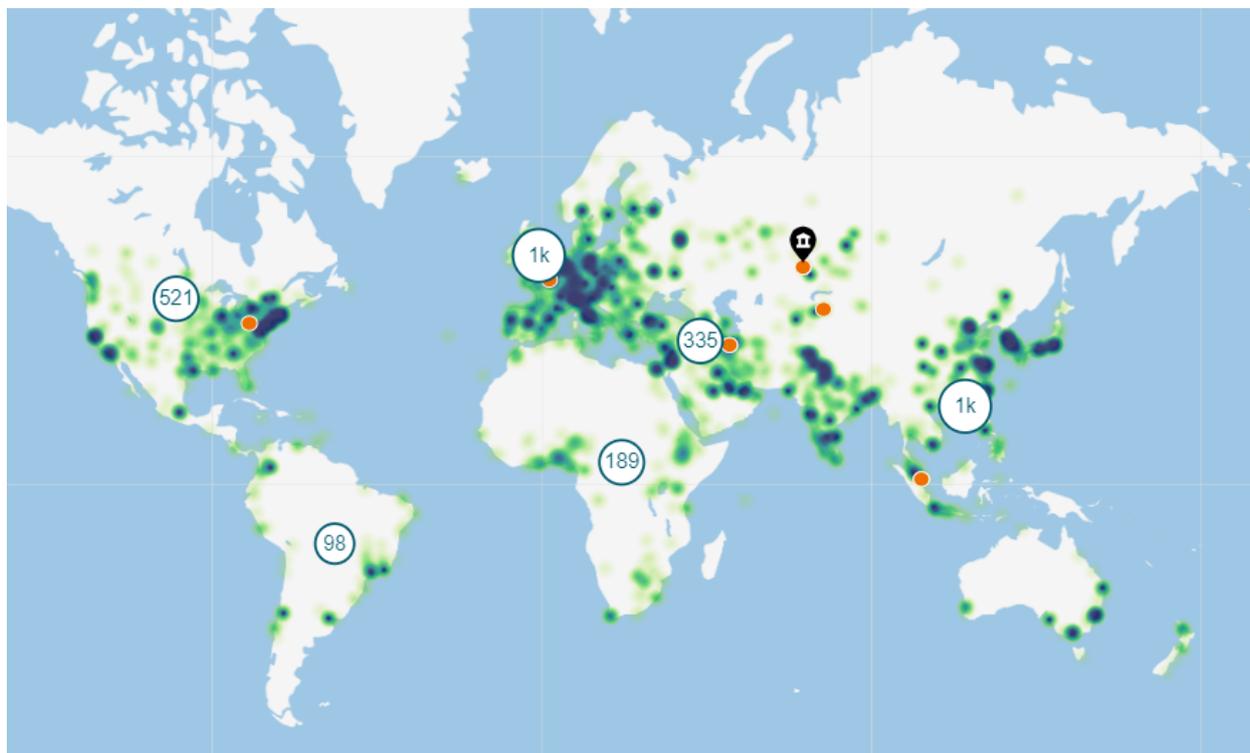
Key terms of the Read and Publish offer include:

- Unlimited OA publishing rights without additional charge in the Hybrid and Gold journals within the selected collection.
- Accepted article types: research articles, review articles, rapid communications, brief reports, and case reports.
- Eligible authors: corresponding authors currently affiliated with Nazarbayev University.
- Publication years: the year in which the article was published online.

By following this [link](#) you will find the list of journals covered by this agreement.

Please feel free to share this exciting news with anyone who may find it relevant or beneficial.

RESEARCH PERFORMANCE OVERVIEW



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 8,444 peer-reviewed publications indexed by Scopus, and have been cited 107,649 times for 2011-2024 period (Source: SciVal, March 2024). The approximate number of citations per peer-reviewed publication is 12.7. The overall H-index of NU is 100, whereas H5-index is 69. The Field-Weighted Citation Impact is 1.49, meaning that our publications have been cited 49% more than would be expected based on the world average for similar publications (over 2018-2024 years).

International collaboration is widely recognized as a key factor that positively influences citation metrics. By expanding professional networks and fostering global partnerships, collaboration often leads to the production of highly cited publications.

During the period from 2018 to 2024, NU exhibited a significant commitment to

international collaboration, as evidenced by the production of 4,467 research papers in partnership with 3,313 organizations from 131 different countries. These collaborative efforts accounted for 65.7% of the total number of publications indexed by Scopus. The map on the right illustrates how these collaborations are spread throughout the world. The overall Field-Weighted Citation Impact of these co-authored papers is 1.67, meaning that these papers are cited 67% more than would be expected based on the world average for similar publications.

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)

FUNDING OPPORTUNITIES

#	Opportunity	Funder	Deadline	Source link
1	2024 Innovative Tinnitus Research Grants Program	The American Tinnitus Association (ATA)	26-Apr-2024	URL
2	The Mohammed bin Rashid Al Maktoum Global Water Award	UAE Water Aid Foundation, Suqia UAE	30-Apr-2024	URL
3	Kaleidoscope Pro-Only Grant	Wildlife Acoustics	15-May-2024	URL
4	STEVEN P. ARNOCKZY YOUNG INVESTIGATOR GRANT	AMERICAN ORTHOPAEDIC SOCIETY FOR SPORTS MEDICINE	15-May-2024	URL
5	Early and Late Stage Clinical Trials for the Spectrum of Alzheimer's Disease/Alzheimer's Related Dementias and Age-Related Cognitive Decline (R01 Clinical Trial Optional)	NIH	5-Jun-2024	URL
6	Pilot Studies for the Spectrum of Alzheimer's Disease/Alzheimer's Disease-Related Dementias and Age-Related Cognitive Decline (R61 Clinical Trial Optional)	NIH	18-Jun-2024	URL
7	HODGKIN-HUXLEY RESEARCH GRANT	The FamilieSCN2A	rolling basis	URL
8	American Tinnitus Association's grant program	The American Tinnitus Association	rolling basis	URL
9	Research Grants and Support	Nestlé Foundation	rolling basis	URL
10	Carl Zeiss Humboldt Research Award	the Humboldt Foundation	rolling basis	URL
11	Fraunhofer-Bessel Research Award	the Humboldt Foundation	rolling basis	URL
12	Friedrich Wilhelm Bessel Research Award	the Humboldt Foundation	rolling basis	URL
13	Clean Energy Accelerator	Amazon	rolling basis	URL
14	Project Grants	The Myrovlytis Trust	rolling basis	URL
15	Small/ Pilot Studies	The Myrovlytis Trust	rolling basis	URL
16	Energy Foundation's grants	Energy Foundation China	rolling basis	URL
17	Impact Collaboration Programme (ICP 2023)	The Geneva Science-Policy Interface	rolling basis	URL
18	Research Core Award: Non-rodent Large Animal Model for Inherited Retinal Disease (worldwide)	Foundation Fighting Blindness	rolling basis	URL
19	DIAGNOSTICS ACCELERATOR: PERIPHERAL BIOMARKERS PROGRAM	The Alzheimer's Drug Discovery Foundation	rolling basis	URL
20	ATA Innovative Grants Research Program (Awards for Student and Postdoctoral Investigators, travel grants)	The American Tinnitus Association (ATA)	rolling basis	URL
21	ARequest for Proposals (RFP) for preclinical and clinical translational research with the potential for high impact on diagnosis, treatment, or survivorship of colorectal cancer	Colorectal Cancer Alliance	rolling basis	URL

New research publications indexed by Scopus (count: 279 as of 29.03.24)

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