

**Teaching Staff Directory**  
**NPLC “M. Kozybayev North Kazakhstan University”**  
**and**  
**the University of Arizona**

## **Teaching Staff of the NPLC “M. Kozybayev North Kazakhstan University”**

Ilvira Aleshkina.....	5
Ruslan Astamirov.....	6
Marhaba Auganbayeva.....	7
Dmitriy Berillo.....	8
Yuliya Byzova.....	14
Celal Çeken.....	16
Lilya Dauletbayeva .....	18
Antonina Fedorova.....	19
Galina Gordiyanova .....	20
Aliya Karaulova .....	21
Gulbaram Khamsina.....	22
Gulnar Kim .....	23
Yuliya Moshchenko .....	25
Saule Mussurova .....	26
Vladislav Semenyuk.....	27
Dinmukhammed Shaikin .....	29
Zhanar Talaspaeva .....	31
Roman Tarunin .....	33
Rustem Tashibaev .....	34
Shnar Tokisheva.....	35
Olga Vassilyeva .....	36
Gulmira Yensegenova .....	38
Mendykyz Yesmatova.....	39
Yekaterina Zhaxylykova .....	41
Andrea Zuccolo.....	42

## Teaching Staff of the University of Arizona

David A. Baltrus .....	45
Steven Bethard .....	47
Kerry Kevin Cooper .....	48
Gozde Durgut .....	50
Nicholas DiRienzo .....	51
Kevin Daniel Fedewa .....	52
Chris Forsythe .....	54
Sarah Refi Hind .....	55
Katelyn Maragi .....	56
Anna Leach .....	57
Christopher Mills .....	58
Michael McKisson .....	59
Shannon R. Mcwaters .....	60
Samantha Orchard .....	61
Cecyl Ruehlen .....	63
David Sherman .....	64
Rebecca Schomer .....	65
Emily L. Thomas .....	67
Rich Thomson .....	68
Isabella (Tingting) Thompson .....	69
Breanna Watkins .....	70
Amritha Suhasini Wickramage .....	71
Sarah Young .....	72

**Teaching Staff of the NPLC “M. Kozybayev North Kazakhstan University”**

Name	<b>Ilvira Aleshkina</b>		
Position	<b>Master of Pedagogical Sciences, senior teacher</b>		
Academic Career	<b>further Degrees</b> <i>Master of Pedagogical Sciences</i> <b>Graduation Degree</b> <i>Teacher of English and German languages</i>	<b>Higher Education</b> <i>Abai Myrzakhmetov Kokshetau university</i> <b>Higher Education</b> <i>Petropavlovsk Pedagogical Institute</i>	<b>years</b> <i>2013</i> <b>years</b> <i>1987</i>
Professional Life	<b>Employment</b> <i>Senior teacher</i>	<b>Employer</b> <i>NKU</i>	<b>Period of Time</b> <i>1997-2025</i>
Research Plans and Elaborations for the last 5 years			
Connection to Practical Work for the last 5 years			
Patents and Copyrights			
Publications for the last 5 years	<p>1. Aleshkina I. H., Zhunusova R. S. Pashkova N. A. <i>Features of Assessing Knowledge in a Foreign Language (Speaking, Writing) According to the Point-Rating System. Materials of the MNPC "Magzhanov Readings-20: the spiritual heritage of the Great Steppe", Petropavlovsk: NPSC "M. Kozybaev university", 2020. - pp. 95-98</i></p> <p>2. Aleshkina I. H., Zhunusova R. S. Pashkova N. A. <i>Introduction of the "Rukhani Zhangyru" Program in Teaching A Foreign Language For Non-Linguistic Specialties Materials of the Magzhanov Readings-21: the Spiritual Heritage of the Great Steppe, Petropavlovsk: NPSC "M. Kozybayev university", 2021. - pp.88-92</i></p> <p>3. Aleshkina I. H., Zhunusova R. S. Novoselova O. V. <i>General Cultural Competence Formation of Students in English Classes Bulletin of the M. Kozybaev North Kazakhstan university, issue No. 3(52). Petropavlovsk: NPSC "M. Kozybaev university", 2021. pp.105-109</i></p> <p>4. Aleshkina I. H., Zhunusova R. S. Novoselova O. V. <i>Formation of general cultural competence of students in English classes Materials of the international scientific and practical conference "Issues of Language, Literature and Translation: Dialogue of Cultures at the Junction of Civilizations" December 9, 2021, pp.243-246</i></p> <p>5. Aleshkina I. H., Zhunusova R. S. Novoselova O. V. <i>The importance of brain development in teaching English, Bulletin of the M. Kozybaev North Kazakhstan university, issue No. 4 (60). Petropavlovsk: NPSC "M. Kozybaev university", 2023. pp. 35-39</i></p> <p>6. Aleshkina I. H., Zhunusova R. S. Sautbayeva A. K. <i>Innovative technologies and project-based learning in university foreign language education Proceedings of the II International Scientific and Practical Conference "Modern paradigm of theoretical and methodological aspects of language and literature learning" M.Kozybaev university, Petropavlovsk, 2025.</i></p>		

Name	<b>Ruslan Astamirov</b>		
Position	<b>Senior lecturer of mathematics</b>		
Academic Career	<b>further Degrees</b> <i>Master's Degree in Pedagogy (Mathematics)</i>	<b>Higher Education</b> <i>M. Kozybayev NKU</i>	<b>years</b> <i>2025</i>
	<b>Graduation Degree</b> <i>Bachelor's Degree in Pedagogy (Mathematics-Physics)</i>	<b>Higher Education</b> <i>M. Kozybayev NKU</i>	<b>years</b> <i>2023</i>
Professional Life	<b>Employment</b>	<b>Employer</b>	<b>Period of Time</b>
	<i>Teacher of mathematics and physics</i>	<i>KSU "School-Lyceum 'Daryn'"</i>	<i>2024-2025</i>
	<i>Senior lecturer of mathematics</i>	<i>M. Kozybayev NKU</i>	<i>2025 – present day</i>
Research Plans and Elaborations for the last 5 years			
Connection to Practical Work for the last 5 years			
Patents and Copyrights			
Publications for the last 5 years	<p>1. Astamirov R. O. "Combination of Methods for Constructing Problem -Based Tasks in Mathematics Education", <i>XII International Scientific and Practical Conference; "Current Issues in Natural Sciences," dedicated to the 125th anniversary of the birth of the first President of the Academy of Sciences of Kazakhstan K.I. Satpayev – Petropavlovsk–Surgut – Baku –Tashkent, April 12, 2024</i>, pp. 505–509.</p> <p>2. Astamirov R. O. "Problem - Based Task Systems in Mathematics Education", <i>XIII International Scientific and Practical Conference "Current Issues in Natural Sciences", dedicated to the 75th anniversary of Doctor of Chemical Sciences, Professor B.E. Begenova, April 11, 2025</i>, pp. 415–420.</p> <p>3. Astamirov R. O. "Technology of Constructing and Using Problem - Based Systems as a Means to Improve the Effectiveness of Mathematics Education in Schools". <i>Master's thesis</i></p>		

Name	<b>Marhaba Auganbayeva</b>		
Position	<b>Senior lecturer of the Department of Practical Kazakh language</b>		
Academic Career	<b>further Degrees</b> <i>Master degree's in Philology</i> <i>Ph.D.</i> <b>Graduation Degree</b> <i>Master of Philology</i>	<b>Higher Education</b> <i>NKSU</i> <i>ENU</i> <b>Higher Education</b> <i>NKSU</i>	<b>years</b> <i>2003-2006</i> <b>years</b> <i>2001</i>
Professional Life	<b>Employment</b> <i>Teacher</i> <i>Teacher</i> <i>Senior Lecturer</i>  <i>Senior Lecturer</i>	<b>Employer</b> <i>NKSU</i> <i>NKSU</i> <i>NKSU</i> <i>NKU</i>	<b>Period of Time</b> <i>2001</i> <i>2001-2003</i> <i>2006-2021</i> <i>2021-2024</i> <i>2024-present day</i>
Research Plans and Elaborations for the last 5 years			
Connection to Practical Work for the last 5 years			
Patents and Copyrights			
Publications for the last 5 years	<p><i>Selected new works out of the total number of publications</i>  <i>Total: 12.</i></p> <p>1. M. S. Afghanbaeva, E. Alkaya, G. B. Mamaeva. <i>Anglicisms in youth slang</i> 16.21.61 <i>Bulletin of Yassawi university</i>. 2024, №1 (131), 188-202  <a href="https://www.doi.org/10.47526/2024-1/2664-0686.16">https://www.doi.org/10.47526/2024-1/2664-0686.16</a></p> <p>2. M. S. Afghanbaeva, G. B. Mamaeva, G. A. Tusupbekova, <i>Youth slang and slang</i>, <i>Bulletin of Kokshetau university named after sh. Ualikhanov Philology series</i> 30.06.2024, № 2, 31-41,  <i>DOI: </i><a href="https://doi.org/10.59102/kufil/2024/iss2pp31-42">https://doi.org/10.59102/kufil/2024/iss2pp31-42</a></p> <p>3. M. Afghanbaeva, G. B. Mamaeva, <i>Methods for the development of speech culture of students</i>, <i>Bulletin of the Eurasian humanitarian Institute</i> 27.03.2025 № 1/202, 175-184  <i>DOI </i><a href="https://doi.org/10.55808/1999-4214.2025-1.17">https://doi.org/10.55808/1999-4214.2025-1.17</a>  2017.</p>		

Name	<b>Dmitriy Berillo</b>		
Position	<b>Professor</b>		
Academic Career	<b>further Degrees</b> <i>PhD in Chemical Sciences</i>	<b>Higher Education, years</b> <i>Dept of Organic Chemistry and Chemistry of Natural Compounds, Kazakh National university al-Farabi (KazNU), Almaty, Kazakhstan. 2010</i>	
	<i>Master's Degree in Chemical Sciences</i>	<i>KazNU, Almaty, Kazakhstan 2007</i>	
	<i>Bachelor's Degree in Chemical Sciences</i>	<i>KazNU, Almaty, Kazakhstan 2005</i>	
	<i>Professional retraining diploma of additional education «Industrial Pharmacy in the field of production of drugs» online course 550h</i>	<i>Modern Scientific Technical academy, Moscow, Russia 2021</i>	
	<i>Certificate of additional education by "Toxicological Chemistry" online course 144h</i>	<i>LLP "Academy of pedagogical Education" Moscow, Russia 2021</i>	
Professional Life	<i>Employment</i>	<i>Employer</i>	<i>Period of Time</i>
	<i>Professor, PI of the project, Department of Science</i>	<i>Kozybayev university, Petropavlovsk, Kazakhstan</i>	<i>Jun 2025-present time</i>
	<i>Associate prof., Department of Chemistry and Biochemical Engineering</i>	<i>Satbayev university Almaty, Kazakhstan</i>	<i>Jan 2023-Dec 2024</i>
	<i>Associate prof., head of Department of Pharmaceutical and Toxicological chemistry Pharmacognosy and botany</i>	<i>Asfendiyarov Kazakh National Medical university, Almaty, Kazakhstan</i>	<i>Nov 2021-Dec 2024</i>
	<i>Research training within the framework of the "Santé Kazakhstan-Ouzbekistan" program. The title of the project is "Development of functionalized biobased cryogels and aerogels using noncovalent interactions"</i>	<i>MINES ParisTech, PSL Research University, Center for Materials Forming (CEMEF), Sophia Antipolis, France</i>	<i>Sept -Dec 2022</i>
	<i>Deputy Head of Research Institute of Fundamental and Applied Medicine after B.A. Atchabarova</i>	<i>Asfendiyarov Kazakh National Medical university Almaty, Kazakhstan</i>	<i>Nov 2021-Jan 2023</i>
	<i>Senior researcher, Department of Microbiology Division of Bioscience</i>	<i>Aarhus university</i>	<i>Nov 2018-Oct 2019</i>
	<i>Individual Marie Skłodowska Curie Researcher Fellowship</i>	<i>School of Pharmacy and Biomolecular Sciences at university of Brighton, Brighton, UK</i>	<i>2016-2018</i>
	<i>Postdoctoral fellow</i>	<i>School of Pharmacy and Biomolecular Sciences at University of Brighton,</i>	<i>2015</i>

		<i>Brighton, UK</i>	
	<i>Senior Researcher (Group leader)</i>	<i>Laboratory of Biosensors and Bioinstruments at Nazarbayev University Research and Innovation System (NURIS), Astana, (KZ)</i>	<i>2015-2016</i>
	<i>Group leader</i>	<i>Laboratory of Chemistry at NURIS, Astana, KZ</i>	<i>2014</i>
	<i>Organic Chemist</i>	<i>“CapSenze HB”, Center for Chemistry and Chemical Engineering, Lund University, Lund, Sweden</i>	<i>2012 – 2014</i>
	<i>Postdoctoral researcher</i>	<i>Dept of Biotechnology, Center for Chemistry and Chemical Engineering, Lund University, Lund, Sweden</i>	<i>2010-2012</i>
	<i>Junior Research Fellow</i>	<i>Institute of Polymer Materials and Technology, Almaty, Kazakhstan.</i>	<i>2010</i>
	<i>Visiting PhD-student</i>	<i>Dept of Biotechnology, Center for Chemistry and Chemical Engineering, Lund university, Lund, Sweden</i>	<i>2008-2010</i>
<i>Research Plans and Elaborations for the last 5 years</i>	<p><i>1. PI of the Program-targeted financing for scientific, scientific and technical programs for 2025-2027: Development and implementation of high-tech solutions for monitoring, purification and rational use of water resources in the North Kazakhstan region to ensure public health.</i></p> <p><i>Development of Startup company related to the development of the infrastructure for culturing of nonpathogenic bacteria for bioremediation process, as well as production of fertilizers. 2<sup>nd</sup> Startup company related to water filters</i></p> <p><i>2. PI "Solidarity Fund for Innovative Projects" (FSPI) of the Ministry of Europe and Foreign Affairs of France. Proposal submitted 3 months' research training 2022</i></p> <p><i>3. Co-PI Targeted Delivery of Factors and Cells for Improving Cardiac Tissue Regeneration and Heart Function Following Myocardial Infarction, PI Arman Saparov 2021-2023</i></p> <p><i>4. PI "Glyco-functionalised macroporous cryogels for intervertebral disc tissue repair" Funded by the Ministry of education and science of KZ. 2020</i></p> <p><i>5. Co-PI Microencapsulation of probiotics into polysaccharide matrices for the development of functional food products based on mare's milk. Ministry of education and science of KZ, Almaty, KZ 2018-2020</i></p>		
<i>Connection to Practical Work for the last 5 years</i>	<p><i>1) In current project Program-targeted financing for scientific, scientific and technical programs for 2025-2027 related to design of various solutions of tap and waste water purification at the LLP EurasiaMilk</i></p> <p><i>2) Scientific Consultant at the “Biskvit confectionery house” LLP 2020-2022</i></p>		

	<i>work related to optimisitaion of thechnological diary product processing, chocolate and chocolate creams recipies , fruits syrops etc.</i>
Patents and Copyrights	<ol style="list-style-type: none"> <li>1. <i>Aldehydecontaining synthetic polymers and methods of its preparation.</i> 27.09.2016 (RK Patent #11418, KZ)</li> <li>2. <i>Aldehydecontaining containing polymers based on polyvinyl alcohol and a process for its preparation</i> 27.09.2016 (RoK Patent #11417, KZ)</li> <li>3. <i>Method of preparation of 3D bioreactors from bacterial cells using polymeric synthetic cross-linkers</i> 27.09.2016 (RoK Patent #13374, KZ)</li> <li>4. <i>Macroporous amphoteric hydrogels and method of its preparation</i> (RoK Patent #31767, KZ) 19.6.2015</li> <li>5. <i>Macroporous amphoteric cryogel and method of its preparation</i> (RoK Patent #29406, KZ) 25.12.2014</li> <li>6. <i>2-methyl-3-N-morphodylpropan acid hydrazide which possesses spasmolytic activity</i> 15.09.2009 (RoK Patent #21702, KZ)</li> <li>7. <i>2-methyl-3-N-piperidylpropan acid hydrazide which possesses analgesic, spasmolytic and antimicrobial activity</i> 15.09.2009 (RoK Patent #21703, KZ)</li> <li>8. <i>Derivatives of nitrile of 2-methyl-2-N-piperidylpropan acid, which possesses spasmolytic activity</i> 15.12.2009 (RoK Patent #22043, KZ)</li> <li>9. <i>2-methyl-2-N-piperidylpropan acid nitrile, which possesses analgesic, spasmolytic and antimicrobial activity</i> 15.12.2009 (RoK Patent # 22017, KZ)</li> </ol>
Publications for the last 5 years	<p><i>Selected new works out of the total number of publications</i></p> <p><i>Total: 44</i></p> <ol style="list-style-type: none"> <li>1. <i>Medicinal Plants for Skin Disorders: Phytochemistry and Pharmacological Insights</i> N Bolatkyzy, D Shepilov, R Turmanov, D Berillo, T Vassilina, ... <i>Molecules</i> 30 (15), 3281 2025</li> <li>2. <i>Green Synthesis and Characterization of Silver Nanoparticles Using Artemisia terrae-albae Extracts and Evaluation of Their Cytogenotoxic Effects</i> M Dyusebaeva, D Berillo, Z Yesbussinova, N Ibragimova, D Shepilov, ... <i>International Journal of Molecular Sciences</i> 26 (15), 7499 2025 <i>corresponding author</i></li> <li>3. <i>G Turysbekova, Y Bektay, A Altynbek, D Berillo, B Shiderin, M Bektayev Optimization of Bioleaching Conditions Using Acidithiobacillus ferrooxidans at Low Temperatures in a Uranium Mining Environment</i> <i>Minerals</i> 15 (7), 727 2025 <i>corresponding author</i></li> <li>4. <i>Biogenic Coal-To-Methane Conversion: Stimulation Strategies</i> M Kozhahmetova, N Akimbekov, D Berillo, K Tastambek, J Zha, ... <i>ES Energy &amp; Environment</i> 28, 1509 2025</li> <li>5. <i>A Sadanov, D Berillo, A Bagimbayeva, G Baimakhanova, LN Ibragimova, Pharmaco-Technological Characterization, Structural Analysis, and Toxicological Evaluation of the Novel Polyene Antibiotic Roseofungin for Drug Development</i> <i>Pharmaceutics</i> 2025 17 (4), 430 <i>corresponding author</i></li> <li>6. <i>J Jandosov, D Berillo, A Misra, M Alavijeh, D Chenchik, A Baimenov Biomass-Derived Nanoporous Carbon Honeycomb Monoliths for Environmental Lipopolysaccharide Adsorption from Aqueous Media</i> <i>International Journal of Molecular Sciences</i> 2025 26 (3), 952 <i>corresponding author</i></li> <li>7. <i>Beyond Traditional Screening: Unveiling Antibiotic Potentials of Actinomycetes in Extreme Environments</i> (Статья) <i>Heliyon</i> 2024 12 Nov <i>corresponding author</i> <a href="https://www.cell.com/heliyon/fulltext/S2405-8440(24)16402-X">https://www.cell.com/heliyon/fulltext/S2405-8440(24)16402-X</a></li> <li>8. <i>S. Otarbayeva, D. Berillo</i> <a href="#"><u><i>Poly (Vinyl Alcohol) Drug and PVA–Drug–Surfactant Complex Organogel with Dimethyl Sulfoxide as a Drug Delivery System</i></u></a> <i>Gels</i> 10 (11), 753 2024 <i>corresponding author</i> *Both authors contributed equally.</li> </ol>

9. Narmuratova\*, M.; Berillo\*, D.; Narmuratova, Z.; Tarlykov, P.; Serikbayeva, A.; Kanayat, S. *Antihypertensive, Anti-Inflammatory, and Antiangiogenic In Silico Activity of Lactoferrin-Derived Peptides of Equine Milk Hydrolysate*. *Biomedicines* 2024, 12, 2715. <https://doi.org/10.3390/biomedicines12122715> corresponding author \*Both authors contributed equally.
10. Berillo D.A., Ermukhambetova, A. *The review of oral adsorbents and their properties (Article)* *Adsorption* (2024). <https://doi.org/10.1007/s10450-024-00515-1> *Q2 Journal Impact Factor 3.0* (2023) corresponding author
11. A Zhanbassynova, F Mukasheva, M Abilev, A Trifonov, D Berillo Akilbekova, D. *Impact of Hydroxyapatite on Gelatin/Oxidized Alginate 3D-Printed Cryogel Scaffolds* *MDPI Gels* 2024, 10 (6), 406 ) *POLYMER SCIENCE in SCIE edition* *Q1* (2023) <https://doi.org/10.3390/gels10060406>
12. Mukasheva, F., Moazzam, M., Yernaimanova, B., Shehzad, A., Zhanbassynova, A., Berillo, D., & Akilbekova, D. (2024). *Design and characterization of 3D printed pore gradient hydrogel scaffold for bone tissue engineering*. *Bioprinting*, 39, e00341
13. Berillo D. *SYNTHESIS AND USE OF SILVER, GOLD AND PALLADIUM NANOPARTICLES IN CATALYSIS AND MEDICINE* Monograph 225 pages (in Russian) . ISBN 978-601-323-466-3
14. A. Khamitova, D. Berillo, A Lozynskyi, Yu Konechnyi, D M, V Georgiyants R. *Lesik Thiadiazole and Thiazole Derivatives as Potential Antimicrobial Agents* Mini-review *Reviews in Medicinal Chemistry* 2024, 24(5), cm 531–545 IF3.7 CiteScore 2023 7.8 DOI: 10.2174/1389557523666230713115947 IF3.7 ISSN (Print): 1389-5575 ISSN (Online): 1875-5607 2023 Q2 DOI: 10.2174/1389557523666230713115947
15. Berillo D.A., Dyusebaeva M.A. Berganayeva A.E., Berganayeva G.E., Ibragimova N.A., Jumabayeva S.M., Kudaibergenov N.Zh., Kanapiyeva A.M., Kirgizbayeva A.A. and Vassilina G.K. *Antimicrobial Activity of Silver Nanoparticles Stabilized by Liposolble Extract of Artemisia terrae-albae* *MDPI Processes* 2023 October Q2 corresponding author
16. Berillo D.A., and KADYRGALIEV B. *REVIEW OF RECENT ADVANCES IN THE USE OF DRUG DELIVERY SYSTEMS IN OPHTHALMOLOGY* *Reviews and Advances in Chemistry* 2023 10.1134/S2634827623600081
17. M Zhurinov, D. Berillo\*, Bazhikova B K, K D Rakhimov, T Bekezhanova *Estimation of antiviral activity and toxicity of biologically active substances from the raw materials of Artemisia cina Berg. in vitro and in vivo* corresponding author Q1 *Molecules* <https://www.mdpi.com/1420-3049/28/14/5413>
18. Berillo D. *Synthesis and properties of α- and β-aminopropanoic acid hydrazide derivatives* Monograph 251 pages; 2023
19. D. Berillo & Aknazar A. *Macroporous adsorbent for removal of silver nanoparticles from waste water* *Processes* 2023, 11, 1661. <https://doi.org/10.3390/pr11061661> Q2 corresponding author
20. Book chapter by I N. Savina, L Otero-Gonzalez, D. Berillo *Macroporous cryogel-based systems for water treatment applications: nanocomposite-based cryogels and bacteria-based bioreactors*. publisher Springer Verlag, Singapore, 2023 editor P. V. Mohanan and Sudha Kappalli (Eds): *Biomedical Applications and Toxicity of Nanomaterials*, 978-981-19-7833-3, 537319\_1\_En, (Chapter 1) 902p ISBN-10 9811978336 ISBN-13 978-9811978333 [https://link.springer.com/chapter/10.1007/978-981-19-7834-0\\_1](https://link.springer.com/chapter/10.1007/978-981-19-7834-0_1)
21. A.E. KHAMITOVA, Berillo D.A. *PROSPECTS FOR THE CREATION OF NEW MEDICINES BASED ON NITROGEN-CONTAINING ORGANIC*

	<p><i>COMPOUNDS (REVIEW)</i> 2023, 12(2), 44-54.  <a href="https://www.pharmjournal.ru/jour/article/view/1481">https://www.pharmjournal.ru/jour/article/view/1481</a> corresponding author</p> <p>22. A. Ermukhametova, D. Berillo Green synthesis of silver nanoparticles using paper wasp's hydrolysate with antibacterial activity. <i>Results in Surfaces and Interfaces</i> Q3  Available online 27 April 2023, 100114 corresponding author, equal contribution  <a href="https://doi.org/10.1016/j.rsurfi.2023.100114">https://doi.org/10.1016/j.rsurfi.2023.100114</a></p> <p>23. Zh. Zhangabay, D. Berillo AgNPs synthesis stabilized with <i>Calendula officinalis</i> extract and their antimicrobial and antioxidant activity <i>Results Surf. Interfaces</i> (2023), Q3 Article 100109 corresponding author</p> <p>24. Tauanov Z, O. Zakiruly, Z Baimenova, A Baimenov, NS Akimbekov, Berillo D.A  <i>Antimicrobial and Antiviral Properties of Triclosan-Containing Polymer Composite: Aging Effects of pH, UV, and Sunlight Exposure</i> <i>Polymers</i> 15 (5), 1236 2023 Q1</p> <p>25. Moazzam, M., Shehzad, A., Sultanova, D., Mukasheva, F., Trifonov, A., Berillo, D., &amp; Akilbekova, D. (2022). <i>Macroporous 3D printed structures for regenerative medicine applications</i>. <i>Bioprinting</i>, e00254.  <a href="https://doi.org/10.1016/j.bprint.2022.e00254">https://doi.org/10.1016/j.bprint.2022.e00254</a></p> <p>26. D. Berillo I N. Savina <i>Immobilized noble metal nanoparticles as efficient flow through catalyst for "green" decomposition of chlorinated aromatic compounds</i>, <i>Inorganics</i> 2023 corresponding author</p> <p>27. J D. Chaplin; D Berillo; Jamie M. Purkis; Marie L. Byrne; Alexandre D.C.C.M Tribolet; Andrew B. Cundy <i>Effective 137Cs+ and 90Sr2+ immobilisation from groundwater by a high-performance 3-D macroporous composite cryogel</i> <i>Materials Today Sustainability</i> 2022</p> <p>28. R.B. Seidakhmetova, A. Amanzhan, E.E. Shults, K.V. Goldaeva S.M. Adekenov and D. Berillo <i>ANALGESIC AND ANTIDEPRESSENT ACTIVITY OF 8-SUBSTITUTED HARMINE DERIVATIVES</i> <i>Chemistry of Heterocyclic Compounds Springer CHC-6580</i> 2022 corresponding author</p> <p>29. Berillo A. D. Dyusebaeva A. M. <i>Synthesis of HYDrAZIDES OF HETEROCYCLIC AMINES and their ANTIMICROBIAL AND SPASMOLITIC ACTIVITY</i> <i>Saudi Pharmaceutical Journal</i> 2022 IF 4.33 corresponding author</p> <p>30. J Jandosov, M Alavijeh, S Sultakhan, A Baimenov, M Bernardo, ... D Berillo <i>Activated Carbon/Pectin Composite Enterosorbent for Human Protection from Intoxication with Xenobiotics Pb (II) and Sodium Diclofenac Molecules</i> 2022 27 (7), 2296. corresponding author</p> <p>31. Berillo, D. (2022). <i>Comparative Toxicity of Interferon Beta-1a Impurities of Heavy Metal Ions</i>. <i>Medicina</i>, 58(4), 463. IF3 Q2 corresponding author.</p> <p>32. Berillo, D., Kozhahmetova, M., &amp; Lebedeva, L. (2022). <i>Overview of the Biological Activity of Anthraquinones and Flavanoids of the Plant Rumex Species</i>. <i>Molecules</i>, 27(4), 1204. Q1 IF 4.4 corresponding author.</p> <p>33. Tauanov, Z., Zakiruly, O., Baimenova, Z., Baimenov, A., Akimbekov, N. S., &amp; Berillo, D. (2022). <i>Antimicrobial Properties of the Triclosan-Loaded Polymeric Composite Based on Unsaturated Polyester Resin: Synthesis, Characterization and Activity</i>. <i>Polymers</i>, 14(4), 676.</p> <p>34. Volkova N., Berillo D. <i>Water sorption isotherms of cryogels based on gelatine and oxidised dextran</i>. <i>Gels</i> 2021 Q1 IF 4.7 corresponding author</p> <p>35. Berillo D., Zh. Zharkinbekov, Y. Kim, K. Raziyeva, K. Temirkhanova and A. Saparov <i>Progress in the Development of Stimuli-Responsive Polymers for Drug Delivery Review</i> <i>Pharmaceutics</i> 2021 IF6.3 Q1 corresponding author</p>
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	<p>36. Berillo D., A. Yeskendir, Zh. Zharkinbekov, K. Raziyeva, and A. Saparov, <i>Peptide-Based Drug Delivery Systems Review</i> <i>Medinica 2021 IF3 Q2</i> corresponding author</p> <p>37. A Zh. Baimenov, I R. Fakhradiyev, D A. Berillo, Timur M. Saliyev, Talgat S. Nurgozhin and V J. Inglezakis <i>Macroporous polymer antidotes for treatment of rats intoxicated by LD50 dose of heavy metals</i> <i>Molecules 2021 IF4.4 Q2</i></p> <p>38. Berillo D. Caplin JL., Al-Jwaid AKA. <i>Macroporous cryogels crosslinked with bacteria for the bio-remediation of contaminants in water.</i> 2021. Review paper. <i>IF4.32, Q1, Percentile 70</i> <i>Polymers 2021</i> corresponding author</p> <p>39. Bekezhanova T.S. Berillo D.A. <i>A-AMINOPROPANIC ACID NITRILE DERIVATIVES</i> <i>Pharmacy of Kazakhstan 2020</i> corresponding author</p> <p>40. A Baimenov, D Berillo, S Azat, T Nurgozhin, V Inglezakis <i>Removal of Cd2+ from water by use of super-macroporous cryogels and comparison to commercial adsorbents</i> <i>Polymers 2020 12 (10), 2405 IF3.426, Q1, Percentile 70</i></p> <p>41. Deby Fapyane, D Berillo, Niels Peter Revsbech <i>Novel CO2 Microsensors/Urease-based Biosensors for Urea Analysis and Monitoring</i>) 2020 <i>IF2.87, Q1, Percentile 77</i></p> <p>42. Kozhakhmetova M.H., Akimbekov N.S, Berillo D.A <i>UTILIZATION OF WHEY AS A SOURCE OF ETHANOL TO MINIMIZE ITS ADVERSE ENVIRONMENTAL IMPACT</i> 2021</p> <p>43. Berillo D. <i>Gold nanoparticles incorporated into cryogel walls for decomposition of 4-nitrophenol.</i> <i>J. of Clean Production.</i> 2020 <i>IF11.1, Q1, Percentile 97</i> corresponding author</p> <p>44. Baimenov Zh, Berillo D and Inglezakis V.J. <i>Novel cryogels for mercury (II) removal from water: synthesis, characterization and sorption mechanisms.</i> <i>Hazardous Materials</i> (2020) P 123056. 2020 <i>IF10.5 Q1, Percentile 98</i>  <a href="https://www.sciencedirect.com/science/article/pii/S0304389420310451">https://www.sciencedirect.com/science/article/pii/S0304389420310451</a></p>
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Name	<b>Yuliya Byzova</b>		
Position	<b>Associate Professor of International Campus</b>		
Academic Career	<b>further Degree</b>	<b>Higher Education</b>	<b>years</b>
	<i>PhD «Chemical technology of organic substances» Master's Degree “Chemistry”</i>	<i>NKU</i>	<i>2024</i>
		<i>NKSU</i>	<i>2014</i>
	<b>Graduation Degree</b>	<b>Higher Education</b>	<b>years</b>
	<i>Bachelor's degree “Chemistry”</i>	<i>NKSU</i>	<i>2012</i>
Professional Life	<b>Employment</b>	<b>Employer</b>	<b>Period of Time</b>
	<i>Associate Professor</i>	<i>Kozybayev university</i>	<i>2024-present day</i>
	<i>Senior Lecturer</i>	<i>Kozybayev university</i>	<i>2023-2024</i>
	<i>Lecturer</i>	<i>Kozybayev university</i>	<i>2021-2023</i>
	<i>Laboratory technician</i>	<i>Raduga LLP</i>	<i>2018-2021</i>
	<i>Process Engineer</i>	<i>Petropavlovsk Heavy Machinery Plant JSC</i>	<i>2017-2018</i>
Research Plans and Elaborations for the last 5 years	<p><i>Modification of asphalt concrete compositions</i>  <i>Terms of execution: 2023-present days.</i>  <i>Information on financing – funding under the grant.</i>  <i>Modification of paint and varnish compositions</i>  <i>Terms of execution: 2019-2022.</i>  <i>Information on financing – funding under the grant.</i></p>		
Connection to Practical Work for the last 5 years	<p><i>Project: Development of modified asphalt concrete compositions using industrial waste recycling products (Grant of the Ministry of Science and Higher Education of the Republic of Kazakhstan)</i>  <i>Partners: KazRosResurs LLP, Petropavlovsk.</i>  <i>Project: Improvement of methods of control and management of technological parameters of rotary molding of plastic containers for storage of liquid mineral fertilizers (Grant of the Ministry of Science and Higher Education of the Republic of Kazakhstan)</i>  <i>Partners: Avagro LLP, Petropavlovsk.</i>  <i>Project: Creation of modified paint and varnish materials for anticorrosive, heat-resistant, chemical-resistant and waterproofing purposes using surfactants of a wide spectrum of action (Grant of the Ministry of Education and Science of the Republic of Kazakhstan)</i>  <i>Partners: Avagro LLP, Petropavlovsk.</i></p>		
Patents and Copyrights	<i>Asphalt concrete mixture. Patent for invention No. 37352 dated June 5, 2025.</i>		
Publications for the last 5 years	<p><i>Selected new works out of the total number of publications</i>  <i>Total: 12.</i></p> <ol style="list-style-type: none"> <li><i>Dyuryagina A., Byzova Yu., Ostrovnoy K., Lutsenko A. Correlation Dependence between Hydrophobicity of Modified Bitumen and Water Saturation of Asphalt Concrete, Applied Sciences, 13, 2023. – 10946. <a href="https://doi.org/10.3390/app131910946">https://doi.org/10.3390/app131910946</a>. Scopus (53 percentile).</i></li> <li><i>Byzova Yu., Dyuryagina A., Ostrovnoy K., Demyanenko A., Lutsenko A., Shirina T. Increasing the Adhesion of Bitumen to the Surface of Mineral Fillers through Modification with a Recycled Polymer and Surfactant Obtained from Oil Refining Waste. Polymers, 16(5), 2024. – 714. <a href="https://doi.org/10.3390/polym16050714">https://doi.org/10.3390/polym16050714</a>.</i></li> </ol>		

*Scopus (85 percentile).*

3. *Byzova Yu., Dyuryagina A., Ostrovnoy K., Demyanenko A., Tyukanko V., Lutsenko A. The Effect of the Microstructure and Viscosity of Modified Bitumen on the Strength of Asphalt Concrete. Polymers, 16 (10), 2024. – 1370.*  
*<https://doi.org/10.3390/polym16101370>. Scopus (85 percentile).*

4. *Tyukanko, V., Demyanenko, A., Semenyuk, V., Dyuryagina, A., Alyoshin, D., Byzova Yu., Brilkov, S. Optimization of polyethylene rotomolded tank design for storage of liquid mineral fertilizers by the Taguchi method. Eastern-European Journal of Enterprise Technologies, 3 (1(129), 2024. – P.45-56.*  
*<https://doi.org/10.15587/1729-4061.2024.304263>. Web of Science (54 percentile).*

5. *Byzova Yu., Dyuryagina A., Ostrovnoy K., Demyanenko A., Degert A., Lutsenko A., Shirina T. Study of Adhesion–Cohesive Interactions of Modified Bitumen Compositions. Polymers, 17, 2025. – 199. <https://doi.org/10.3390/polym17020199>.*  
*Scopus (85 percentile).*

Name	<b>Celal Çeken</b>		
Position	<b>International Professor</b>		
Academic Career	<b>further Degrees</b> <i>Ph.D. in Electric Education</i> <i>M.Sc. in Electronics and Computer Education</i> <b>Graduation Degree</b> <i>B.Sc. in Electronics and Computer Education</i>	<b>Higher Education</b> <i>KOU</i> <i>KOU</i>	<b>years</b> <i>2004</i> <i>2001</i>
Professional Life	<b>Employment</b> <i>Research Assistant</i> <i>Assitant Professor</i> <i>Postdoctoral Fellow</i> <i>Associate Professor</i> <i>Associate Professor</i> <i>Professor</i> <i>Professor</i>	<b>Employer</b> <i>KOU</i> <i>KOU</i> <i>USF</i> <i>KOU</i> <i>SAU</i> <i>SAU</i> <i>KU</i>	<b>Period of Time</b> <i>1999-2004</i> <i>2004-2009</i> <i>2008</i> <i>2009-2012</i> <i>2012-2015</i> <i>2015-</i> <i>2025-</i>
Research Plans and Elaborations for the last 5 years	<i>Project: Design and Implementation of a Secure Communication Platform for IoT-Based Soft Robots</i> <i>Funding Agency: TÜBİTAK</i> <i>Duration: 24 months / Start Date: 2021</i>		
Connection to Practical Work for the last 5 years	<i>Project: Development of a Data Cleansing Platform for Industry 4.0-based Systems</i> <i>Partner: EDBC, Austria</i> <i>Project: IoTHub Platform for Real-Time Monitoring and Indoor Location Tracking</i> <i>Partner: EDBC, Austria</i> <i>Project: WordyWell – A Revenue-Sharing Social Media Platform for Bloggers</i> <i>Partner: DM DAYANIKLI TÜKETİM MALLARI SANAYİ VE TİCARET LİMİTED ŞİRKETİ, Türkiye</i>		
Patents and Copyrights			
Publications for the last 5 years	Articles in SCI and SCI-Expanded Journals <ol style="list-style-type: none"> <li>1. N. B. Oğur, C. Çeken, Y. Selim Oğur and E. Yazici, "A Scalable Framework for Big Data Analytics in Psychological Research: Leveraging Distributed Systems and Cluster Management" in <i>IEEE Access</i>, vol. 13, pp. 174947-174956, 2025, doi: 10.1109/ACCESS.2025.3617120.</li> <li>2. Emre Karakoç and Celal Çeken, "Secure SLA Management Using Smart Contracts for SDN-Enabled WSN", <i>KSII Transactions on Internet &amp; Information Systems</i>, vol. 17.11, p. 3003, 2023, DOI: 10.3837/iiis.2023.11.006</li> <li>3. N. B. Oğur, C. Çeken, Y. S. Oğur, H. U. Yuvaci, A. B. Yazici and E. Yazici, "Development of an Artificial Intelligence-Supported Hybrid Data Management Platform for Monitoring Depression and Anxiety Symptoms in the Perinatal Period: Pilot-Scale Study" in <i>IEEE Access</i>, vol. 11, pp. 31456-31466, 2023, DOI: 10.1109/ACCESS.2023.3262467</li> <li>4. Nur Banu Oğur, Mohammed Al-Hubaishi, Celal Çeken "IoT Data Analytics Architecture for Smart Healthcare Using RFID and WSN", <i>ETRI Journal</i>, 44.1, 135-146, 2022, DOI: 10.4218/etrij.2020-0036</li> <li>5. Jamil, H., Umer, T., Çeken, C., Al-Turjman, F. "Decision Based Model for Real-Time IoT Analysis Using Big Data and Machine Learning", <i>Wireless Personal Communications</i>, 121, 2947–2959, 2021, DOI: 10.1007/s11277-021-08857-7</li> <li>6. Chaouch H., Çeken C., Ari S. "Energy management of HVAC Systems in smart buildings by using fuzzy logic and M2M communication", <i>Journal of Building</i></li> </ol>		

	<p><i>Engineering, 44, 102606, 2021, DOI: 10.1016/j.jobe.2021.102606</i></p> <p>7. <i>Emre Karakoç and Celal Çeken "Black Hole Attack Prevent Scheme using Blockchain-Block Approach in SDN-Enabled WSN", International Journal of Ad Hoc and Ubiquitous Computing, 37.1, 37-49, 2021, DOI: 10.1504/IJAHUC.2021.115125</i></p> <p>Other Journal Publications:</p> <p>Öztel, İ., Çeken, C., "Scalable Pipelines for Instant Object Detection: Deploying YOLO Models with Apache Kafka for High-Throughput Inference", <i>Vestnik of M. Kozybayev North Kazakhstan university, 3.63, pp. 155-164, 2025, DOI: 10.54596/2958-0048-2024-3-155-164</i></p>
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Name	<b>Lilya Dauletbayeva</b>		
Position	<b>Senior lecturer at the International Campus</b>		
Academic Career	<b>further Degrees</b> <i>Master of Education</i> <b>Graduation Degree</b> <i>Teacher of English and German</i>	<b>Higher Education</b> <i>Omsk State Pedagogical university</i> <b>Higher Education</b> <i>North Kazakhstan State university</i>	<b>years</b> <i>2017</i> <b>years</b> <i>2004</i>
Professional Life	<b>Employment</b> <i>Teacher of English</i> <b>Lecturer</b>	<b>Employer</b> <i>Lyceum BEST</i> <i>NKU</i>	<b>Period of Time</b> <i>2004-2005</i> <i>2005-present day</i>
Research Plans and Elaborations for the last 5 years			
Connection to Practical Work for the last 5 years			
Patents and Copyrights			
Publications for the last 5 years	1. Dauletbayeva L.K. "Flipped classroom" technology in foreign language teaching, <i>Vestnik of the M. Kozybayev North Kazakhstan university</i> 2020;(1 (46)):152-155. 2. Dauletbayeva L.K. The use of mass media materials in teaching the English language, <i>Proceedings of the International Scientific and Practical Conference "Kozhabaev Readings–2020: Priority Areas of Development, Achievements, and Innovations in Modern Kazakhstani Science"</i> . Volume 3. Seminar and Conference Materials, 3. pp.26-29, November 2020 3. Dauletbayeva L.K. Enhancing English language teaching through spaced learning techniques, <i>Proceedings of the International Scientific and Practical Conference "The Modern Paradigm of Theoretical and Methodological Aspects of Language and Literature Studies</i> , 23.04.2024, pp.278-281 4. Dauletbayeva L.K. Grammatical and stylistic means of creating Oscar Wildes's literary style <i>Vestnik of the M. Kozybayev North Kazakhstan university № 1 (65)</i> . 2025 5. Dauletbayeva L.K. The method of synectics in the system of formation of students' language and creative competencies, <i>Proceedings of the II International Scientific and Practical Conference "The Modern Paradigm of Theoretical and Methodological Aspects of Language and Literature Studies</i> , 28.04.2025		

Name	<b>Antonina Fedorova</b>		
Position	<b>Senior teacher</b>		
Academic Career	<b>Graduation Degree</b> <i>English Language Teacher</i>	<b>Higher Education</b> <i>Tselinograd Pedagogical Institute</i>	<b>years</b> <i>1973</i>
Professional Life	<b>Employment</b> <i>ELT</i> <i>ELT</i>  <i>ELT</i>  <i>Senior teacher</i>  <i>Senior teacher</i>	<b>Employer</b> <i>Secondary school №3</i> <i>Petropavlovsk Pedagogical Institute</i>  <i>First gymnasium</i>  <i>Petropavlovsk Institute of Business and Management</i>  <i>NKSU</i>	<b>Period of Time</b> <i>1973-1975</i> <i>1975-1993</i>  <i>1993-1997</i>  <i>1997-2000</i>  <i>2000 – present day</i>
Research Plans and Elaborations for the last 5 years			
Connection to Practical Work for the last 5 years			
Patents and Copyrights			
Publications for the last 5 years	<i>A. Fedorova, A. Pismenyuk, Workshops on English Lexicology, training manual; M. Kozybayev NKU, Petropavlovsk, 2025</i>		

Name	<b>Galina Gordiyanova</b>		
Position	<b>Senior lecturer</b>		
Academic Career	<b>further Degrees</b> <i>Candidate of pedagogical science</i> <i>Master's degree in natural sciences</i>	<b>Higher Education</b> <i>Omsk State Pedagogical university</i> <i>NKSU</i>	<b>years</b> <i>2016</i> <i>2010</i>
	<b>Graduation Degree</b> <i>Bachelor degree "Geography and Ecology"</i> <i>Foreign languages</i>	<b>Higher Education</b> <i>NKSU</i> <i>NKSU</i>	<b>Years</b> <i>1997</i> <i>2004</i>
Professional Life	<b>Employment</b> <i>Teacher of geography and ecology</i>  <i>Senior lecturer</i>	<b>Employer</b> <i>Linguistic gymnasium</i> <i>«BEST»</i>  <i>Department of Geography and Ecology of the M. Kozybayev North Kazakhstan university</i>	<b>Period of Time</b> <i>1998-2001</i>  <i>2001-2025</i>
Research Plans and Elaborations for the last 5 years	<i>The research topic is "Development of students' educational independence in a nonlinear educational process." Based on the research materials, articles were published in international conferences.</i>		
Connection to Practical Work for the last 5 years	<i>Over the past 5 years, I have become a reviewer of teachers' methodological works. I am a coach for professional development courses for school teachers.</i>		
Patents and Copyrights			
Publications for the last 5 years	<i>Teaching aids - 4, scientific articles-13, electronic textbook "Ecology and sustainable development"- 1 (certificate of entry in the state register of rights to copyrighted works. No. 15283. dated February 18, 2021).</i>		

Name	<b>Aliya Karaulova</b>		
Position	<b><i>Language competencies development instructor of International Campus</i></b>		
Academic Career	<b>further Degrees</b> <i>Foreign language: two foreign languages (master)</i>	<b>Higher Education</b> <i>NKSU</i>	<b>years</b> <i>2019-2020</i>
	<b>Graduation Degree</b> <i>Foreign language: two foreign languages (bachelor)</i>	<b>Higher Education</b> <i>NKSU</i>	<b>years</b> <i>2008-2012</i>
Professional Life	<b>Employment</b> <i>English teacher</i> <i>English teacher</i> <i>English teacher</i>	<b>Employer</b> <i>Shakhovskoye secondary school</i> <i>Secondary school № 42</i> <i>Bilim Innovation Lyceum</i>	<b>Period of Time</b> <i>2012-2016</i> <i>2016-2021</i> <i>2021-2024</i>
	<i>Language competencies development instructor</i> <i>North Kazakhstan university</i> <i>2024-present day</i>		
Research Plans and Elaborations for the last 5 years	<i>Enhancing EFL proficiency in non-pedagogical university students through neuro-linguistic programming: a psycholinguistic perspective on inclusive and personalized instruction 2025-2027</i>		
Connection to Practical Work for the last 5 years			
Patents and Copyrights			
Publications for the last 5 years	<i>"Neurolinguistic programming and the role of language in inclusive education" - Collection of materials of the international scientific and practical conference "Magzhan Zhumabayev: personality, literary process and linguistics", M.Kozybayev university, accepted for publication 2025</i> <i>"Neurolinguistic programming as a basis of the updated curriculum in Kazakhstan - Collection of materials of the international scientific and practical conference "Youth and Science 2020" volume 2 humanities, M.Kozybaev university, Petropavlovsk, 2020, pp.95-98</i>		

Name	<b>Gulbaram Khamsina</b>		
Position	<b><i>Dean of the faculty "Foundation"</i></b>		
Academic Career	<b>further Degrees</b> <i>Candidate of Philological Sciences (10.02.02 – "Lexical-Stylistic and Cognitive Features of Kazakh Novellas of the 1960s–1980s (Based on the Works of S. Zhunisov, D. Isabekov, A. Seidimbekov, O. Bokey, and B. Nurzhekeev)"</i> <b>Graduation Degree</b> <i>Bachelor's degree "Teacher of Kazakh Language and Literature"</i>	<b>Higher Education</b> <i>L.N. Gumilyov Eurasian National university</i>	<b>years</b> <i>2010</i>
Professional Life	<b>Employment</b> <i>Senior Laboratory Assistant</i>  <i>Teacher</i>  <i>Senior Lecturer</i> <i>Associate Professor</i> <i>Dean</i>	<b>Employer</b> <i>NKSU</i>  <i>NKSU</i>  <i>NKSU</i> <i>NKU</i> <i>NKU</i>	<b>Period of Time</b> <i>1996–2001</i>  <i>2001–2007</i>  <i>2007–2011</i> <i>2011–2024</i> <i>2024–present day</i>
Research Plans and Elaborations for the last 5 years			
Connection to Practical Work for the last 5 years			
Patents and Copyrights			
Publications for the last 5 years	1. <i>Khamzina, Gulbaram S., Alshynbaeva, Moldir A., Mazhitayeva, Shara. Linguocultural Anatomical Code: Concept of Sacredness. <b>Rupkatha Journal on Interdisciplinary Studies in Humanities</b>, 2021. ISSN 0975-2935. DOI: 10.21659/RUPKATHA.V13N1.31</i> 2. <i>Khamzina, G.S., Talaspayeva, Zh.S. Linguo-Cognitive Features of the Language of Literary Works. Monograph. Petropavl: M. Kozybayev North Kazakhstan university, 2024.</i> 3. <i>Khamzina, G.S., Esmatova, M.T., Talaspayeva, Zh.S. Oikonyms Originating from Historical Figures (Based on Materials from the North Kazakhstan Region). <b>Bulletin of Toraighyrov university. Philology Series</b>, No. 2 (2024). Pavlodar, 2024. pp. 147–159.n</i>		

Name	<b>Gulnar Kim</b>		
Position	<b>Associate Professor of the International Campus</b>		
Academic Career	<b>further Degrees</b> <i>PhD Dissertation defense</i> “Computer Science, computer technology and management”	<b>Higher Education</b> <i>KazSRU</i>	<b>years</b> 2022
	<b>Graduation Degree</b> <i>Bachelor’s degree “Informatics”</i>	<b>Higher Education</b> <i>NKSU</i>	<b>years</b> 2010
Professional Life	<b>Employment</b> <i>Lecturer</i>	<b>Employer</b> <i>College of Economics and Law</i>	<b>Period of Time</b> 2010-2011
	<i>Methodologist</i>	<i>NKSU</i>	2011-2012
	<i>assistant</i>	<i>NKSU</i>	2012-2014
	<i>Instructor</i>	<i>NKSU</i>	2014
	<i>Head of the Department</i>	<i>NKSU</i>	2014-2017
	<i>Senior lecturer</i>	<i>NKSU</i>	2017-2018
	<i>associate Professor</i>	<i>NKU</i>	2021-present day
Research Plans and Elaborations for the last 5 years	<i>Development of mathematical models and algorithms for controlling the growth of medicinal plants in hydroponic systems</i>		
Connection to Practical Work for the last 5 years	<i>Development of mathematical models and algorithms for controlling the growth of medicinal plants in hydroponic systems</i>		
Patents and Copyrights	<i>Structural diagram of an adaptive control system for the growth rate of Aloe Arborescens L. with a reference model</i>		
Publications for the last 5 years	<ol style="list-style-type: none"> <li>1. <i>Devising a method for recognizing the causes of deviations in the development of the plant Aloe Arborescens L. using machine learning capabilities</i>, G. Kim, A. Demyanenko, A. Savostin, K. Iklassova. <i>Eastern-European Journal of Enterprise Technologies</i>, Vol. 2, No 2 (110), 23–31. – 2021 (ISSN: 1729-3774, E-ISSN: 1729-4061) <a href="https://doi.org/10.15587/1729-4061.2021.228219">https://doi.org/10.15587/1729-4061.2021.228219</a></li> <li>2. <i>Emotion recognition technologies using webcams: approaches, models and their applications</i>, G. Kim, V. Semenyuk, R. Bigozhin, D. Alyoshin, G. Ospanova. <i>"Universitet Enbekteri – University Proceedings" of Abylkas Saginov Karaganda Technical university</i>.</li> <li>3. <i>AI model for detecting suspicious customers in the credit scoring system based on XGBOOST and logistic regression</i>, E. Issakayev, G. Kim, V. Semenyuk, N. Veremeychik, A. Kabdirova. <i>"Universitet Enbekteri – University Proceedings" of Abylkas Saginov Karaganda Technical university</i>.</li> <li>4. <i>Development of an application for generating a website layout based on user requests using artificial intelligence technologies</i>, G. Kim, E. Ushakova, L. Dolmatova, A. Tulinov, A. Chuchman. <i>"Universitet Enbekteri – University Proceedings" of Abylkas Saginov Karaganda Technical university</i>.</li> <li>5. <i>The problem of developing software that can read human emotions using a webcam</i>, G. Kim, K. Iklassova, L. Dolmatova, G. Borambayeva.</li> <li>6. <i>Development of an application for organising video communication using peer-to-peer network technology</i>, G. Kim, E. Ushakova, L. Dolmatova, G. Borambayeva. <i>Bulletin of D. Serikbayev EKTU</i>.</li> </ol>		

Name	<b>Alexey Malikov</b>		
Position	<b>Senior Lecturer</b>		
Academic Career	<b>further degree</b> <i>MSc in Educational Leadership</i>	<b>Higher Education</b> <i>Nazarbayev university</i>	<b>years</b> <i>2013-2014</i>
	<i>Master's Degree in History</i>	<i>S. Toraighyrov Pavlodar State university</i>	<i>2006- 2008</i>
	<i>Bachelor's Degree in History</i>	<i>S. Toraighyrov Pavlodar State university</i>	<i>2002-2006</i>
Professional Life	<b>Employment</b> <i>Senior Lecturer</i> <i>Senior Lecturer</i> <i>Senior Lecturer</i> <i>Senior Lecturer</i>	<b>Employer</b> <i>Kozybaev university</i> <i>Almaty Management university</i> <i>S. Toraighyrov Pavlodar State university</i> <i>S. Toraighyrov Pavlodar State university</i>	<b>Period of Time</b> <i>2022-2025</i> <i>2021-2022</i> <i>2011-2013</i> <i>2008-2011</i>
Research Plans and Elaborations for the last 5 years			
Connection to Practical Work for the last 5 years			
Patents and Copyrights			
Publications for the last 5 years	<i>Rural population of Kazakhstan in the Late Soviet period: population dynamics and migration (based on archival statistical sources). Materials of the Republican scientific and practical conference "Independence: history, archives and prospects of scientific research", October 28, 2021, Pavlodar, Kazakhstan.</i> <i>Karaganda: Ekozhan LLP, 2022. pp. 133-140.</i>		

Name	<b>Yuliya Moshchenko</b>		
Position	<b>Senior teacher</b>		
Academic Career	<b>further Degrees</b> <i>Master's dissertation</i>	<b>Higher Education</b> <i>NKSU</i>	<b>years</b> <i>2003</i>
	<b>Graduation Degree</b> <i>Foreign languages</i>	<b>Higher Education</b> <i>NKSU</i>	<b>years</b> <i>2001</i>
Professional Life	<b>Employment</b> <i>University lecturer</i>  <i>English trainer of the third basic level (advanced teacher training)</i>	<b>Employer</b> <i>NKSU, Petropavlovsk</i>  <i>International Educational Center "I-Study", Astana</i>	<b>Period of Time</b> <i>2001-2012</i>  <i>2013-2021</i>
	<i>Senior teacher</i>	<i>M.Kozybayev NKU (international campus)</i>	<i>2023 to present</i>
Research Plans and Elaborations for the last 5 years	<i>Integrating ChatGPT into Writing Instruction: Enhancing EFL Learners' Academic Writing Skills</i>		
Connection to Practical Work for the last 5 years	<i>In recent years, I have been actively involved in teaching academic and creative writing to university students, focusing on coherence, argument structure, and lexical precision. My teaching practice has included both traditional peer review and technology-enhanced feedback. This research is closely related to my professional experience, as it aims to integrate ChatGPT as a writing assistant to enhance students' autonomy and self-editing</i>		
Patents and Copyrights	<i>-</i>		
Publications for the last 5 years	<i>Publication of the article "Synergetic Approach in Analyzing Novels of American Authors" (Petropavlovsk, 2024)</i>		

Name	<b>Saule Mussurova</b>		
Position	<i>Scientific coordinator for plant science, Center of Agrocompetence Associate Professor of Biotechnology (part-time)</i>		
Academic Career	<b>further Degrees</b> <i>PhD, Plant Science</i> <i>MSc Plant Genetics and Crop Improvement</i>	<b>Higher Education</b> <i>KAUST, Saudi Arabic</i> <i>university of East Anglia</i>	<b>years</b> <i>2024</i> <i>2017</i>
	<b>Graduation Degree</b> <i>BSc Genetics</i>	<b>Higher Education</b> <i>University College London</i>	<b>years</b> <i>2014</i>
Professional Life	<b>Employment</b> <i>Scientific Coordinator</i> <i>Associate Professor</i> <i>Junior Researcher</i> <i>Start-up Consultant</i> <i>Laboratory Assistant</i>	<b>Employer</b> <i>NKU</i> <i>NKU</i> <i>NU</i> <i>NU</i> <i>NU</i>	<b>Period of Time</b> <i>2025-present day</i> <i>2025-present day</i> <i>2018</i> <i>2015-2016</i> <i>2014-2015</i>
Research Plans and Elaborations for the last 5 years	<i>PhD research – assembly of 2 high-quality genomes of wild rice species and investigating genome size variation</i>		
Connection to Practical Work for the last 5 years	<i>International Oryza Map Alignment Project (IOMAP), Prof Rod Wing</i>		
Patents and Copyrights			
Publications for the last 5 years	<p><i>Fornasiero, A., Feng, T., Al-Bader, N. et al. Oryza genome evolution through a tetraploid lens. Nat Genet 57, 1287–1297 (2025). <a href="https://doi.org/10.1038/s41588-025-02183-5">https://doi.org/10.1038/s41588-025-02183-5</a></i></p> <p><i>Sedeek, K., Zuccolo, A., Fornasiero, A. et al. Multi-omics resources for targeted agronomic improvement of pigmented rice. Nat Food 4, 366–371 (2023). <a href="https://doi.org/10.1038/s43016-023-00742-9">https://doi.org/10.1038/s43016-023-00742-9</a></i></p> <p><i>Zuccolo, A., Mfarrej, S., Celi, M., Mussurova, S., Rivera, L. F., Llaca, V., Mohammed, N., Pain, A., Alrefaei, A. F., Alrefaei, A. F., &amp; Wing, R. A. (2023). The gyrfalcon (<i>Falco rusticulus</i>) genome. G3 (Bethesda, Md.), 13(3), jkad001. <a href="https://doi.org/10.1093/g3journal/jkad001">https://doi.org/10.1093/g3journal/jkad001</a></i></p> <p><i>Zhou, Y., Yu, Z., Chebotarov, D. et al. Pan-genome inversion index reveals evolutionary insights into the subpopulation structure of Asian rice. Nat Commun 14, 1567 (2023). <a href="https://doi.org/10.1038/s41467-023-37004-y">https://doi.org/10.1038/s41467-023-37004-y</a></i></p> <p><i>Mussurova, S., Al-Bader, N., Zuccolo, A., &amp; Wing, R. A. (2020). Potential of platinum standard reference genomes to exploit natural variation in the wild relatives of Rice. Frontiers in Plant Science, 11. <a href="https://doi.org/10.3389/fpls.2020.579980">https://doi.org/10.3389/fpls.2020.579980</a> Worthington, M., Perez, J. G., Mussurova, S., Silva-Cordoba, A., Castiblanco, V., Cardoso Arango, J. A., Jones, C., Fernandez-Fuentes, N., Skot, L., Dyer, S., Tohme, J., Di Palma, F., Arango, J., Armstead, I., &amp; De Vega, J. J. (2020). A new genome allows the identification of genes associated with natural variation in aluminium tolerance in brachiaria grasses. Journal of Experimental Botany, 72(2), 302–319. <a href="https://doi.org/10.1093/jxb/eraa469">https://doi.org/10.1093/jxb/eraa469</a></i></p>		

Name	<b>Vladislav Semenyuk</b>		
Position	<b>Senior lecturer at International Campus</b>		
Academic Career	<b>further Degrees</b> <i>Master degree</i> <i>“Radio Engineering, Electronics and Telecommunications”</i> <b>Graduation Degree</b> <i>Bachelor’s degree</i> <i>“Radio Engineering, Electronics and Telecommunications”</i>	<b>Higher Education</b> <i>Kozybayev university (NKU)</i> <b>Higher Education</b> <i>Kozybayev university (NKU)</i>	<b>years</b> <i>2018</i> <b>years</b> <i>2016</i>
Professional Life	<b>Employment</b> <i>Design Engineer</i> <i>Soft developer</i> <i>Senior lecturer</i> <i>Senior lecturer</i>	<b>Employer</b> <i>JSC “S.M. Kirov plant”</i> <i>Digital Urpaq (additional education center)</i> <i>NKU (Energetics and Radioelectronics department)</i> <i>NKU (International campus)</i>	<b>Period of Time</b> <i>2016</i> <i>2018-2021</i> <i>2021-2024</i> <i>2024-Present day</i>
Research Plans and Elaborations for the last 5 years	<p>1) <i>NATO SPS PROJECT NUMBER: G5633 “ANTI-DRONES – Innovative Concept to Detect, Recognize and Track“ Killer-Drone</i>  <i>Terms of execution: 2019-2021.</i>  <i>Information on financing – funding under the grant.</i></p> <p>2) <i>Improvement of methods of control and management of technological parameters of rotary molding of plastic containers for storage of liquid mineral fertilizers</i>  <i>Terms of execution: 2022-2024.</i>  <i>Information on financing – funding under the grant.</i></p> <p>3) <i>AP19679009 Development of a neural network model for recognizing UAVs via an optical-electronic channel integrated into the Data Fusion system.</i>  <i>Terms of execution: 2023-2025.</i>  <i>Information on financing – funding under the grant.</i></p> <p>4) <i>AP26104785 Development of technology for processing rotational composites based on secondary polyethylene for the manufacture of a wide range of technical products.</i>  <i>Terms of execution: 2025-2027.</i>  <i>Information on financing – funding under the grant.</i></p> <p>5) <i>BR28712227 Development and implementation of high-tech solutions for monitoring, purification and rational use of water resources in the North Kazakhstan region to ensure public health.</i>  <i>Terms of execution: 2025-2027.</i>  <i>Information on financing – funding under the grant.</i></p>		
Connection to Practical Work for the last 5 years	<p>1) <i>Project: Development of a facial recognition system (2023).</i>  <i>Partners: Military Academy of the National Guard of the Republic of Kazakhstan.</i></p> <p>2) <i>Project: Development of a visual detector model for performing search operations using UAV aerial photography (2024).</i>  <i>Partners: Digital Urpaq (additional education center).</i></p>		
Patents and Copyrights	<p>1) <i>Innovative method for rearing nile tilapia in recirculating aquaculture systems using the monitoring and control system (MCS-1) – aquaculture it-farm, Certificate of Entry in the State Register of Rights for Copyright-Protected Objects, No. 35778 of May 17, 2023.</i></p> <p>2) <i>UrpaqFly 0.1 – Software for Object Recognition from Aerial UAV Video Survey, Certificate of Entry in the State Register of Rights for Copyright-Protected Objects,</i></p>		

	<p>No. 36715 of June 6, 2023.</p> <p>3) UrpaqFace 2.0 – Access Control Software for Extracurricular Clubs' Laboratories Based on Facial Recognition, Certificate of Entry in the State Register of Rights for Copyright-Protected Objects, No. 36548 of June 1, 2023.</p> <p>4) Method of ultrasonic quality control of plastic products manufactured by rotational molding, Patent No. 36682 of the Republic of Kazakhstan for invention</p>
Publications for the last 5 years	<p><b>ORCID:</b> 0000-0002-8580-7326</p> <p><b>Scopus ID:</b> 58124124100.</p> <p><b>Web of Science:</b> IVB-8353-2023.</p> <p><b>Hirsh index:</b> 3</p> <p>1) Kurmashev, I.; Semenyuk, V.; Lupidi, A.; Alyoshin, D.; Kurmasheva, L.; Cantelli-Forti, A. Study of the Optimal YOLO Visual Detector Model for Enhancing UAV Detection and Classification in Optoelectronic Channels of Sensor Fusion Systems. <i>Drones</i> 2025, 9, 732. <a href="https://doi.org/10.3390/drones9110732">https://doi.org/10.3390/drones9110732</a>. Scopus (Q1).</p> <p>2) Vladislav Semenyuk, Ildar Kurmashev, Alberto Lupidi, Dmitriy Alyoshin, Liliya Kurmasheva, Alessandro Cantelli-Forti, Advances in UAV detection: integrating multi-sensor systems and AI for enhanced accuracy and efficiency, <i>International Journal of Critical Infrastructure Protection</i>, Volume 49, 2025, 100744, ISSN 1874-5482, <a href="https://doi.org/10.1016/j.ijcip.2025.100744">https://doi.org/10.1016/j.ijcip.2025.100744</a>. Scopus (Q1).</p> <p>3) Adilbekov A.E., Semenyuk V.V., Proselkov A.V. Development of a classification model for UAVs and birds based on the YOLOv9 neural network to improve anti-drone systems. <i>Vestnik of M. Kozybayev North Kazakhstan university</i>. 2025;(2 (66)):175-183. <a href="https://doi.org/10.54596/2958-0048-2025-2-175-183">https://doi.org/10.54596/2958-0048-2025-2-175-183</a>.</p> <p>4) Semenyuk, V.; Kurmashev, I.; Alyoshin, D.; Kurmasheva, L.; Serbin, V.; Cantelli-Forti, A. Study of the Possibility to Combine Deep Learning Neural Networks for Recognition of Unmanned Aerial Vehicles in Optoelectronic Surveillance Channels. <i>Modelling</i> 2024, 5, 1773-1788. <a href="https://doi.org/10.3390/modelling5040092">https://doi.org/10.3390/modelling5040092</a>. Scopus (Q3).</p> <p>5) Tyukanko V., Demyanenko A., Semenyuk V., Dyuryagina A., Alyoshin D., Tarunin R., Voropaeva V. Development of an Ultrasonic Method for the Quality Control of Polyethylene Tanks Manufactured Using Rotational Molding Technology (2023) <i>Polymers</i>, 15 (10), art. no. 2368, DOI: 10.3390/polym15102368. Scopus (Q1).</p> <p>6) Tyukanko V., Demyanenko A., Semenyuk V., Dyuryagina A., Alyoshin D., Brilkov S., Litvinov S., Byzova Y. Optimization of polyethylene rotomolded tank design for storage of liquid mineral fertilizers by the taguchi method (2024) <i>Eastern-European Journal of Enterprise Technologies</i>, 3 (1(129)), pp. 45 - 56, DOI: 10.15587/1729-4061.2024.304263. Scopus (Q3).</p> <p>7) Tyukanko V., Demyanenko A., Semenyuk V., Alyoshin D., Brilkov S., Litvinov S., Shirina T., Akhmetzhanov E. Identification of patterns of the stress-strain state of a standard plastic tank for liquid mineral fertilizers. (2024) <i>Eastern-European Journal of Enterprise Technologies</i>, 4 (7(130)), pp. 47 - 59, DOI: 10.15587/1729-4061.2024.308904. Scopus (Q3).</p> <p>8) Semenyuk V., Kurmashev I., Lupidi A., Cantelli-Forti A. Developing the GOOGLEnet neural network for the detection and recognition of unmanned aerial vehicles in the data fusion system (2023) <i>Eastern-European Journal of Enterprise Technologies</i>, 2 (9-122), pp. 16 - 25, DOI: 10.15587/1729-4061.2023.276175. Scopus (Q3).</p>

Name	<b>Dinmukhammed Shaikin</b>		
Position	<b>Head of the “Economy, accounting and finance” department</b>		
Academic Career	<b>further Degrees</b> <i>Candidate's Dissertation</i> <i>Defence (08.00.05)</i> <i>Revalidation of the Diploma</i>	<b>Higher Education</b> <i>Omsk State university</i> <i>Ministry of Education and science of the Republic of Kazakhstan</i>	<b>years</b> <i>2005</i> <i>2007</i>
	<i>Associate professor</i> <i>Full professor</i>	<i>Ministry of education and science</i> <i>Ministry of education and science</i>	<i>2012</i> <i>2018</i>
	<b>Graduation Degree</b> <i>Bachelor's degree</i> <i>“Business and management”</i>	<b>Higher Education</b> <i>NKU</i>	<b>years</b> <i>1998</i>
Professional Life	<b>Employment</b> <i>assistent</i> <i>Associate Professor</i> <i>Dean</i> <i>Associate Professor</i> <i>Head of the Department</i>	<b>Employer</b> <i>NKSU</i> <i>NKSU</i> <i>NKSU</i> <i>NKSU</i> <i>NKSU</i>	<b>Period of Time</b> <i>2004</i> <i>2007</i> <i>2009</i> <i>2014</i> <i>2018</i>
Research Plans and Elaborations for the last 5 years	<i>Researching the innovation environment of different countries in terms of OECD standards.</i>		
Connection to Practical Work for the last 5 years			
Patents and Copyrights			
Publications for the last 5 years	<p>1. Shaikin D.N., Assessing the Quality of Management and Efficient Use of National Resources, Montenegrin Journal of Economics, Volume 21, Number 2 (2025). pp.205-215 (SCOPUS – 76<sup>th</sup> percentile in General Economics, Econometrics and Finance).</p> <p>2. Shaikin D.N., Kopylova O.V., Valieva M.M. Development of a Concept for Managing National Resources in Accordance with Sustainable Development Goals in A Low-Carbon Economy, Montenegrin Journal of Economics, Volume 21, Number 3, July 2025. pp.263-277 (SCOPUS – 76<sup>th</sup> percentile in General Economics, Econometrics and Finance).</p> <p>3. Копылова О.В., Валиева М. М., Шайкин Д. Н., Нефас С., INNOVATIONS IN SCIENCE: A COMPARATIVE ANALYSIS BETWEEN LITHUANIA AND KAZAKHSTAN, Public and Policy Administration. №2, 2022. pp.61-73. <a href="https://ojs.mruni.eu/ojs/public-policy-and-administration/issue/view/447">https://ojs.mruni.eu/ojs/public-policy-and-administration/issue/view/447</a> (SCOPUS - 41<sup>st</sup> percentile in Economics, Econometrics and Finance)</p> <p>4. Shaikin D.N., Kopylova O.V., Valieva M.M. Career formation and development of a future accountant through professional certification, Journal “Мемлекеттік аудит – State Audit”, No. 1(62), 2024, pp. 42–49 (included in the list of journals of the Committee for Quality Assurance in Science and Higher Education of the Ministry of Science and Higher Education of the Republic of Kazakhstan in the field of Economic Sciences).</p> <p>5. Shaikin D.N. Statistical Assessment of Sweden's Innovation Ecosystem. Characterization and Analysis of the Current Situation, Journal “Университет</p>		

*Еңбектері – Proceedings of the University”, No. 4, 2022, pp. 358–362 (included in the list of journals of the Committee for Quality Assurance in Science and Higher Education of the Ministry of Science and Higher Education of the Republic of Kazakhstan in the field of Economic Sciences).*

6. Shaikin D.N. *The implementation problems of OECD standards in the research sphere in Kazakhstan*, Вестник КазЭУФМТ, №2, 2022. pp.115-121 (included in the list of journals of the Committee for Quality Assurance in Science and Higher Education of the Ministry of Science and Higher Education of the Republic of Kazakhstan in the field of Economic Sciences).

Name	<b>Zhanar Talaspaeva</b>		
Position	<b>Professor in the specialty “Linguistics” (Full Professor)</b>		
Academic Career	<b>further Degrees</b> <i>Candidate's Dissertation defense</i> <b>Graduation Degree</b> <i>Semipalatinsk Pedagogical Institute named after N.K.Krupskaya</i>	<b>Higher Education</b> <i>KazNU named after al-Farabi</i> <b>Higher Education</b> <i>specialist</i>	<b>years</b> <i>1999</i> <b>years</b> <i>1992</i>
Professional Life	<b>Employment</b> <i>Trainee teacher</i> <i>Teacher</i> <i>Senior lecturer</i> <i>Associate Professor</i> <i>Department Head</i> <i>Dean</i> <i>Head of the Rukhani Zhangyru</i> <i>Regional Project Office</i> <i>Director of the Department of Academic Activities</i> <i>Acting Vice-rector of Academic Affairs</i> <i>Full Professor</i>	<b>Employer</b> <i>NKU</i> <i>NKU</i> <i>NKSU</i> <i>NKSU</i> <i>NKSU</i> <i>NKSU</i> <i>NKSU</i> <i>NKSU</i> <i>NKU</i>	<b>Period of Time</b> <i>1992-1993</i> <i>1994-1997</i> <i>1998-1999</i> <i>2000-2021</i> <i>2000-2005</i> <i>2005 -2017</i> <i>2017-2019</i> <i>2019-2020</i> <i>2019-2020</i> <i>2021-present day</i>
Research Plans and Elaborations for the last 5 years	<i>Senior researcher of the scientific project No. 243/23-25 “Comprehensive study of the toponymic landscape of the border regions of Northern Kazakhstan and the Russian Federation” under the grant funding program of the Committee of Science of the Ministry of Science and Higher Education of the Republic of Kazakhstan for 2022–2025.</i>		
Connection to Practical Work for the last 5 years	<i>Senior researcher of the scientific project No. 243/23-25 “Comprehensive study of the toponymic landscape of the border regions of Northern Kazakhstan and the Russian Federation” under the grant funding program of the Committee of Science of the Ministry of Science and Higher Education of the Republic of Kazakhstan for 2022–2025.</i>		
Patents and Copyrights			
Publications for the last 5 years	<i>Selected new works out of the total number of publications</i> <i>Total: 37</i> 1. <u>Zhanar Talaspayeva</u> , Moldir Amangazykyzy, Maktagul Orazbek, Aiman Toxambayeva, Galiya Akmanova. Existential motives in city prose. ASTRA Salvensis, no. 1/2021. ISSN-L: 2344-1887 ISSN-E: 2393-4727 Q-1 <a href="https://astrasalvensis.eu/wp-content/uploads/2021/05/0-Contents.pdf">https://astrasalvensis.eu/wp-content/uploads/2021/05/0-Contents.pdf</a> 2. <u>Zhanar Talaspayeva</u> , Elvira Azharbekova, Shara Mazhitayeva. Paroemias as Explication of Human Qualities in the English Language. <i>Rupkatha Journal on Interdisciplinary Studies in Humanities</i> (ISSN 0975-2935) Indexed by Web of Science, Scopus, DOAJ, ERIHPLUS Vol. 12, No. 6, December 2021. 1-12 Процентиль 97. DOI: <a href="https://dx.doi.org/10.21659/rupkatha.v12n6.28">https://dx.doi.org/10.21659/rupkatha.v12n6.28</a> Full Text: <a href="http://rupkatha.com/V12/n6/v12n628.pdf">http://rupkatha.com/V12/n6/v12n628.pdf</a> 3. <u>Zhanar Talaspayeva</u> , Anar Bukayeva, Syzdykova L.N., Raushan Kiyakova, Gulnar Muratova L. Evaluation of strategies in teaching legal discourse in “Professional Kazakh language” course. Scientific Herald of Uzhhorod university Series. homepage: Issue 55, 562–576 Accepted: 13.03.2024 ISSN: 2415-8038 e-ISSN: 2786-6688. Процентиль 80. DOI: 10.54919/physics/55.2024.56kb2		

DOI:10.54919/physics/55.2024.56kb2<https://physics.uz.ua/en>  
<https://physics.uz.ua/en/journals/issue-55-2024/evaluation-of-strategies-in-teaching-legal-discourse-in-professional-kazakh-language-course>

4. Zhanar Talaspayeva, Alibi Shapauov, Yekaterina Turovskaya, Serik Negimov. «Mythologemes of Death, the Garden, and Time in Lewis Carroll's Alice in Wonderland». Mythologemes of Death, the Garden, and Time in Lewis Carroll's Alice in Wonderland Southern Semiotic Review Issue 21, 2025 (i) Page 17 Q-2. Процентиль 51. <https://portal.issn.org/resource/ISSN/2202-2783>. <http://doi.org/10.332.34/SSR.21.2>

5. Zhanar Talaspayeva, Lyudmila Krylova, Aray Zhundibayeva, Zhanbay Kadyrov, Gulnara Fatkiyeva, & Yelena Sabiyeva. Portrait Image in Pushkin's Prose of the Thirties in the 19th Century. *Media Watch* 11 (4) 630-647, 2020 ISSN 0976-0911 | e-ISSN 2249-8818. DOI: 10.15655/mw/2020/v11i4/204630.<https://www.mediawatchjournal.in/wp-content/uploads/2020/12/Portrait-Image-in-Pushkins-1.pdf>

Name	<b>Roman Tarunin</b>		
Position	<i>Senior lecturer of International Campus</i>		
Academic Career	<b>further Degrees</b> <i>PhD «Chemical engineering and processes»</i> <i>Master's Dissertation defense</i>	<b>Higher Education</b> <i>NKU</i>	<b>years</b> <i>2024-present days</i> <i>2022</i>
	<b>Graduation Degree</b> <i>Bachelor's degree "Chemistry"</i>	<b>Higher Education</b> <i>NKSU</i>	<b>years</b> <i>2020</i>
Professional Life	<b>Employment</b> <i>Higher lecturer</i> <i>Lecturer</i> <i>Head of the Laboratory of Expertise</i> <i>Teacher</i>	<b>Employer</b> <i>NKU</i> <i>NKU</i> <i>Fitosanitariya</i> <i>LORD</i>	<b>Period of Time</b> <i>2024-present day</i> <i>2022-2024</i> <i>2022</i> <i>2020-2021</i>
Research Plans and Elaborations for the last 5 years	<i>Rotational moulding of Polyethylene</i> <i>Terms of execution: 2024-present days.</i> <i>Information on financing – funding under the grant.</i> <i>Study of the Features and Pedagogy of Distance Learning during the COVID-19 Pandemic</i> <i>Terms of execution: 2020-2022.</i> <i>Information on financing – no funding.</i>		
Connection to Practical Work for the last 5 years	Project: <i>Development of a technology for recycling rotational composites based on recycled polyethylene for the production of a wide range of technical products</i> Partners: <i>Avagro LLP, Petropavlovsk.</i> Project: <i>Improvement of methods of control and management of technological parameters of rotary molding of plastic containers for storage of liquid mineral fertilizers</i> Partners: <i>Avagro LLP, Petropavlovsk.</i>		
Patents and Copyrights			
Publications for the last 5 years	<i>Selected new works out of the total number of publications</i> <i>Total: 11.</i> 1. <i>Tyukanko V.Yu., Demyanenko A.V., Semenyuk V.V., Dyuryagina A.N., Alyoshin D., Tarunin R.A., Voropaeva V.A.</i> <i>Development of an Ultrasonic Method for the Quality Control of Polyethylene Tanks Manufactured Using Rotational Molding Technology.</i> <i>Polymers, 2023, 15, 2368. Scopus (77th percentile).</i> 2. <i>Tyukanko V.Yu., Tarunin R.A., Demyanenko A.V., Dyuryagina A.N., Semenyuk V.V., Alpysssov R.R., Merkibayev Y., Bakibaev A., Alyoshin D.</i> <i>Optimization of Composite Composition Using Recycled Polyethylene for Rotational Molding.</i> <i>Scopus – under review.</i> 3. <i>Tyukanko V.Yu., Tarunin R.A., Demyanenko A.V., Dyuryagina A.N., Semenyuk V.V., Alpysssov R.R., Umarova A.M.</i> <i>Developing of Express Method for Determining the Degree of Quality of Rotomolded Plastic Products by Analysing the Range of Noise Bursts in the Spectrum of the Ultrasonic Signal.</i> <i>Scopus – under review.</i>		

Name	<b>Rustem Tashibaev</b>		
Position	<b>Senior Lecturer of the Department of Computer Science</b>		
Academic Career	<b>further Degrees</b> <i>Doctoral student (PhD)</i>	<b>Higher Education</b> <i>NKSU</i>	<b>years</b> <i>2024-present</i>
	<i>Master degree of "Information system"</i>	<i>Omsk State Pedagogical university</i>	<i>2017</i>
	<b>Graduation Degree</b> <i>Bachelor of Computer Science</i>	<b>Higher Education</b> <i>M. Kozybayev North Kazakhstan university</i>	<b>years</b> <i>2014</i>
Professional Life	<b>Employment</b> <i>IT-teacher</i>	<b>Employer</b> <i>Secondary school 23</i>	<b>Period of Time</b> <i>2015-present</i>
	<i>Senior Lectur</i>	<i>Department of information and Communication Technologies M.Kozybaev North Kazakhstan university</i>	<i>2023-present</i>
Research Plans and Elaborations for the last 5 years	<i>Development of an AI-based system for flood detection and water level recognition in the North Kazakhstan region.</i> <i>Integration of artificial intelligence technologies into the educational process and teacher professional development.</i>		
Connection to Practical Work for the last 5 years	<i>Implementation of AI tools (ChatGPT, EdukPlay, Microsoft Teams) in educational practice.</i> <i>Participation in seminars and conferences on artificial intelligence in education.</i>		
Patents and Copyrights	<i>AI Assistant for Teacher Certification in Kazakhstan – software prototype, 2024.</i>		
Publications for the last 5 years	<ol style="list-style-type: none"> <li><i>Main provisions of the concept of digital learning using artificial intelligence. Spain, Barcelona SS0244 Author(s): Kainizhamal Iklassova, Rustem Tashibayev, Aigul Shaikhanova and Madina Bazarova</i></li> <li><i>Tashibaev R.M. Using Artificial Intelligence to Detect Floods and Determine Water Levels in the North Kazakhstan Region, Education Sciences (MDPI), 2024.</i></li> <li><i>Tashibaev R.M. AI Integration in Teacher Certification: Challenges and Opportunities, Proceedings of the International Conference on Digital Pedagogy, Petropavlovsk, 2023.</i></li> <li><i>Tashibaev R.M. Ethics in the Digital World: Teaching Experience and Methods, Youth and Science – 2022, M. Kozybayev NKU.</i></li> </ol>		

Name	<b>Shnar Tokisheva</b>		
Position	<b>Senior English Instructor of International Campus</b>		
Academic Career	<b>further Degrees</b> <i>Master degree "Foreign language: NKSU two foreign languages"</i>	<b>Higher Education</b> <i>Sh.Ualikhanov Kokshetau State university</i>	<b>years</b> <i>2020</i>
	<b>Graduation Degree</b> <i>Bachelor's degree "Foreign language: two foreign languages"</i>	<b>Higher Education</b> <i>Sh.Ualikhanov Kokshetau State university</i>	<b>years</b> <i>2019</i>
Professional Life	<b>Employment</b> <i>Translator</i>	<b>Employer</b> <i>LLP "KazakhNeftegastroi"</i>	<b>Period of Time</b> <i>2010-2012</i>
	<i>English teacher</i>	<i>LLP "OLS" Astana</i>	<i>2012-2014</i>
	<i>English teacher</i>	<i>Kyzylzhar Education Department "Belo School"</i>	
	<i>English Teacher</i>	<i>Education House "Ozinsh"</i>	<i>2016-2018</i>
	<i>English Teacher</i>	<i>North -Kazakhstan Education Department "Regional Lyceum for gifted children "Bilim-Innovation"</i>	<i>2019-2021</i>
	<i>Director</i>	<i>LLP "Dream Academy"</i>	<i>2021-2022</i>
	<i>Senior English Instructor</i>	<i>North-Kazakhstan university</i>	<i>2023- present day</i>
Research Plans and Elaborations for the last 5 years	<i>Metacognitive Adaptation of English Teachers to AI Integration in Pedagogy in AI-Supported Metacognitive Scaffolding in ESL Writing Development</i>		
Connection to Practical Work for the last 5 years	<i>Teaching academic writing. Reading for academic purposes.</i>		
Patents and Copyrights			
Publications for the last 5 years	<i>Neurolinguistic programming and the role of language in inclusive education - Collection of materials of the international scientific and practical conference "Magzhan Zhumabayev: personality, literary process and linguistics", M.Kozybayev university, accepted for publication 2025 Cognitive and Metacognitive strategies in English Language learning Materials of the international scientific and practical online conference "Youth and Science 2020" Vol. 2., Petropavlovsk, 2020, pp.204-207.</i>		

Name	<b>Olga Vassilyeva</b>		
Position	<b>Senior teacher at the International Capmus, Kozybayev university</b>		
Academic Career	<b>further Degrees</b> <i>MBA</i>	<b>Higher Education</b> <i>Cardiff Metropolitan university</i>	<b>years</b> <i>2016</i>
	<b>Graduation Degree</b> <i>Teacher of foreign languages, specialist</i>	<b>Higher Education</b> <i>NKSU</i>	<b>years</b> <i>2005</i>
Professional Life	<b>Employment</b> <i>Senior teacher</i> <i>Teacher</i> <i>Assiatant</i>	<b>Employer</b> <i>NSU</i> <i>NKSU</i> <i>NKSU</i>	<b>Period of Time</b> <i>2018 – present day</i> <i>2008-2013</i> <i>2005-2008</i>
Research Plans and Elaborations for the last 5 years	<i>Plans - research into English teaching methods, psycholinguistics, technology in education</i>		
Connection to Practical Work for the last 5 years	<p>- performed functions of academic coordinator for students doing their -school practice;</p> <p>-worked together with school teachers as a scientific advisor for school scientific projects;</p> <p>-British Council OTC project, facilitator (2022-2025)</p>		
Patents and Copyrights	-		
Publications for the last 5 years	<ul style="list-style-type: none"> <li>Vassilyeva O. M., Iogina A. O. <i>Lexical peculiarities of the British and Canadian variants of the English language. Materials of the International Scientific and Practical Conference “The Modern Paradigm of Theoretical and Methodological Aspects of Language and Literature Studies”, 2024.</i></li> <li>Vassilyeva O. M., Alekseev A. A. <i>Lexical means of presenting the concept of “Time” in the light of the anthropocentric paradigm (based on F. S. Fitzgerald’s Novel “The Great Gatsby”). Bulletin of M. Kozybayev North Kazakhstan university, No. 4 (60). – Petropavlovsk: M. Kozybayev NKU, 2023. – pp. 148–155.</i></li> <li>Vassilyeva O. M., Starkova A. V. H. P. <i>Lovecraft’s unique style: catalyst for the rise of Lovecraftian internet folklore. Bulletin of the M. Kozybayev NKU, No. 3 (59), 2023, pp. 139–143. UDC: 347.1 (in collaboration with Denisenko A. English Language Programs at Georgetown university).</i></li> <li>Vassilyeva O. M., Kuprenkova V. S. <i>The role of podcasts in English as a means to develop students’ communication skills. Materials of the International Scientific and Practical Conference “Youth and Science–2023”, Vol. 1, Petropavlovsk, 2023. – pp. 56–60.</i></li> <li>Vassilyeva O. M., Starkova A. V., Pismennyuk A. B. <i>The necessity of ESL self-regulated strategies in disntance education. Bulletin of Buketov Karaganda University, Series “Pedagogy”, No. 2 (106)/2022, pp. 128–133.</i></li> <li>Vassilyeva O. M., Alimbayeva G. Zh. <i>Analysis of the concept sphere “Colour”: psycholinguistic aspect. Materials of the International Online Scientific and Practical Conference “Youth and Science–2022”, dedicated to the 85th anniversary of M. Kozybayev North Kazakhstan university (April 12), ISBN 978-601-223-546-3, pp. 5–8.</i></li> <li>Vassilyeva O. M., Dobromirova Ya. V. <i>The influx of neologisms in the English language caused by the COVID–19 pandemic. Proceedings of the International Scientific and Practical Conference “Youth and Science–2022”, dedicated to the 85th anniversary of M. Kozybayev North Kazakhstan university, in 2 volumes.</i></li> </ul>		

	<p><i>Vol. 2. – Petropavlovsk: M. Kozybayev NKU, 12.04.2022, ISBN 978-601-223-546-3, pp. 15–18.</i></p> <ul style="list-style-type: none"> <li>• <i>Vassilyeva O. M., Zharmagambetova A. A. Rubrics as an effective means of assessing the results of students' learning activity. Proceedings of the International Scientific and Practical Conference “Youth and Science–2022”, dedicated to the 85th anniversary of M. Kozybayev North Kazakhstan university, in 2 volumes. Vol. 2. – Petropavlovsk: M. Kozybayev NKU, 12.04.2022, ISBN 978-601-223-546-3, pp. 68–71.</i></li> <li>• <i>Vassilyeva O. M., Salenko L. L., Alekseev A. A. English language teaching methodology: modern approach, 2025.</i></li> <li>• <i>Vassilyeva O. M., Sytnikova N. A. Home reading based on the book “The Fault in Our Stars”, 2021.</i></li> <li>• <i>Vassilyeva O. M. Home reading based on the book “Officially Dead”, 2021.</i></li> </ul>
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Name	<b>Gulmira Yensegenova</b>		
Position	<i>Senior lecturer of International Campus</i>		
Academic Career	<b>further Degrees</b> <i>Master's Dissertation Defense</i> <b>Graduation Degree 2008</b> <i>Master in Pedagogy and Psychology</i>	<b>Higher Education 2004</b> <i>NKU</i> <b>Higher Education</b> <i>Translation Studies</i>	<b>years</b> 2022 <b>years</b> 2008
Professional Life	<b>Employment</b> <i>Classical Kazakh school-gymnasium, Petropavlovsk</i>  <i>North Kazakhstan Institute for Advanced Training and Retraining of Pedagogical Staff</i>  <i>Nazarbayev Intellectual School in Petropavlovsk</i>  <i>M.Kozybayev NKU (international campus)</i>	<b>Employer</b> <i>English teacher</i>  <i>methodologist</i>  <i>English teacher</i>  <i>Senior teacher</i>	<b>Period of Time</b> 2008-2009  2009-2012  2012-2015  2015-2023  2023 to present
Research Plans and Elaborations for the last 5 years	<i>Integrating ChatGPT into Writing Instruction: Enhancing EFL Learners' Academic Writing Skills</i>		
Connection to Practical Work for the last 5 years	<i>In recent years, I have been actively involved in teaching academic and creative writing to university students, focusing on coherence, argument structure, and lexical precision. My teaching practice has included both traditional peer review and technology-enhanced feedback. This research is closely related to my professional experience, as it aims to integrate ChatGPT as a writing assistant to enhance students' autonomy and self-editing</i>		
Patents and Copyrights			
Publications for the last 5 years			

Name	<b>Mendykyz Yesmatova</b>		
Position	<i>Professor of the Department of "Kazakh Language and Literature", Candidate of Philological Sciences</i>		
Academic Career	<b>further Degrees</b> <i>Candidate's Dissertation defense</i> <i>(10.02.02 – Kazakh language)</i>	<b>Higher Education</b> <i>KazSU named after Al-Farabi</i>	<b>years</b> <i>2004</i>
	<b>Associate professor of Linguistics</b> <b>Graduation Degree</b> <i>Bachelor's degree "Teacher of Kazakh language and literature"</i>		<b>years</b> <i>2009</i>
	<b>Higher Education</b> <i>NKSU</i>		<b>years</b> <i>1995</i>
Professional Life	<b>Employment</b> <i>Teacher</i>  <i>Doctoral student</i>  <i>Teacher</i>	<b>Employer</b> <i>NKU</i>  <i>KazSU named after Al-Farabi</i>  <i>NKSU</i>	<b>Period of Time</b> <i>1996-2000</i>  <i>2000-2003</i>  <i>2004-present day</i>
Research Plans and Elaborations for the last 5 years			
Connection to Practical Work for the last 5 years			
Patents and Copyrights			
Publications for the last 5 years	<p><i>Selected new works out of the total number of publications</i>  <i>Total: 34.</i></p> <p><b>1. Mythical Cognition and Artistic Method</b>  <i>DOI: <a href="https://doi.org/10.6000/1929-4409.2020.09.386">https://doi.org/10.6000/1929-4409.2020.09.386</a></i>  <i>Published: 31 December 2020. -3195-3199 66.</i></p> <p><b>2. Componential Analysis of Ana/Mat'/Mother Words: Mother Prototype Extension</b>  <i>DOI: <a href="https://doi.org/10.17507/tpls.1306.09">https://doi.org/10.17507/tpls.1306.09</a></i>  <i>ISSN 1799-2591 Theory and Practice in Language Studies, Vol. 13, No. 6, pp. 1413-1420, June 2023. -1413-1420 66.</i></p> <p><b>3. Linguocultural Aspects of the Concept of «Qonaqjailylyq» (Hospitality)</b>  <i>DOI: <a href="https://journals.bilpubgroup.com/index.php/fls">https://journals.bilpubgroup.com/index.php/fls</a></i> Forum for Linguistic Studies / Volume 06/ Issue 06 / December 2024. – 1123-1137 pp.</p> <p><b>4. Oikonyms that arose on the basis of historical figures (in the North Kazakhstan region) //</b>  <i>Bulletin of Toraigyrov university. Philological series. No. 2 (2024). Pavlodar – pp. 147-160.</i>  <i><a href="https://vestnik-philological.tou.edu.kz/storage/journals/123.pdf">https://vestnik-philological.tou.edu.kz/storage/journals/123.pdf</a></i></p> <p><b>5. Criteria for assessing secondary school students studying in a language other than Kazakh // Materials of the international scientific and practical conference</b></p>		

*“Problems of science and education: current problems, achievements and innovations”. Volume I. - Taraz, 2025. - pp. 195-119.*

Name	<b>Yekaterina Zhaxylykova</b>		
Position	<b><i>Senior lecturer of International Campus</i></b>		
Academic Career	<b>further Degrees</b> <i>Master's Dissertation</i>	<b>Higher Education</b> <i>NKU</i>	<b>years</b> <i>2022</i>
	<b>Graduation Degree</b> <i>Translation Studies</i>	<b>Higher Education</b> <i>NKSU</i>	<b>years</b> <i>2011</i>
Professional Life	<b>Employment</b> <i>Translator</i> <i>Director</i> <i>Senior Teacher</i>	<b>Employer</b> <i>Translation Agency</i> <i>INTERTEXT Translation Agency</i> <i>NKU</i>	<b>Period of Time</b> <i>2011 - 2014</i> <i>2014 – present day</i> <i>2022 – present day</i>
Research Plans and Elaborations for the last 5 years	<i>Metacognitive Process and the Role of Metacognition in Foreign Language Teaching</i>		
Connection to Practical Work for the last 5 years	<i>In recent years, I have been actively engaged in teaching courses on foreign language acquisition, with a particular focus on developing learners' awareness of metacognitive processes in language learning. My teaching practice emphasizes strategies for planning, monitoring, and evaluating one's own learning to foster greater autonomy and self-regulation. This research is closely connected to my professional experience, as it explores how explicit instruction in metacognitive strategies can enhance learners' proficiency, motivation, and reflective thinking in foreign language classrooms.</i>		
Patents and Copyrights	-		
Publications for the last 5 years	<i>Models of Metacognitive Process and the Role of Metacognition in Foreign Language Teaching. – Proceedings of the X Scientific and Practical Conference Science and Education in the Modern World: Challenges of the XXI Century. Nur-Sultan, 2022. Pedagogical Sciences, p. 15</i> <i>Communicative and Metacognitive Aspect of Translation in Foreign Language Teaching – Proceedings of the Republican Scientific and Practical Online Conference Musrevov and Modern Literature, Science and Culture. Petropavlovsk, 2022.</i>		

Name	<b>Andrea Zuccolo</b>		
Position	<b>Professor at International Campus</b>		
Academic Career	<b>further Degrees</b> <i>PhD in Plant Biotechnologies</i>	<b>Higher Education</b> <i>University of Udine, Italy</i>	<b>years</b> <i>2003</i>
	<b>Graduation Degree</b> <i>MSc in Molecular Biology</i>	<b>Higher Education</b> <i>University of Trieste, Italy</i>	<b>years</b> <i>1998</i>
Professional Life	<b>Employment</b>  <i>Professor</i> <i>Research Scientist</i> <i>Tenured Assistant Professor</i> <i>Assistant Professor</i> <i>Senior Scientist</i>  <i>Coordinator of the Bioinformatics Team</i>	<b>Employer</b>  <i>Kozybayev university</i> <i>KAUST, Saudi Arabia</i> <i>Scuola Sant'Anna Pisa, Italy</i> <i>Scuola Sant'Anna Pisa, Italy</i> <i>Applied Genomics Institute, Udine, Italy</i>  <i>Arizona Genomics Institute, The university of Arizona, Tucson, USA</i>	<b>Period of Time</b>  <i>2025</i> <i>2019-2025</i> <i>2015-2025</i> <i>2011-2015</i> <i>2011</i>  <i>2006-2011</i>
Research Plans and Elaborations for the last 5 years	<i>An integrative genomic approach to disentangle the molecular basis and the genome structural variations contributing to drought resistance in the model species rice: Rod Wing (PI), A. Zuccolo (Co-PI), A. Henry (Co-PI). 04/01/2021-03/31/2024 (\$1,473,938 direct). KAUST Competitive Research Grants Program.</i>		
Connection to Practical Work for the last 5 years			
Patents and Copyrights			
Publications for the last 5 years	<p><i>P.X. Zheng, C.Y. Ko, J.Y. Ou, A. Zuccolo, Y.C. Lin. Transposable elements drive evolution and perturb gene expression in <i>Brassica rapa</i> and <i>B. oleracea</i>. <b>The Plant Journal</b> Published in Advance 01 September 2025 <a href="https://doi.org/10.1111/tpj.70452">https://doi.org/10.1111/tpj.70452</a></i></p> <p><i>L. Sebastiani, I. Sarfraz, A. Francini, M. Celii, R. A. Wing, A. Zuccolo. PacBio genome assembly of <i>Olea europaea</i> L. subsp. <i>europaea</i> cultivars Frantoio and Leccino. <b>Sci Data</b> 12, 1095 (2025). <a href="https://doi.org/10.1038/s41597-025-05363-4">https://doi.org/10.1038/s41597-025-05363-4</a></i></p> <p><i>A. Fornasiero, T. Feng, N. Al-Bader, A. Alsantely, S. Mussurova, N. V. Hoang, G. Misra, Y. Zhou, L. Fabbian, N. Mohammed, L. Rivera, M. Thimma, V. Llaca, P. Parakkal, D. Kudrna, D. Copetti, S. Rajasekar, S. Lee, J. Talag, C. Sobel-Sorenson, M. Carpentier, O. Panaud, K. McNally, J. Zhang, A. Zuccolo, M.E. Schranz, R. A. Wing. Oryza genome evolution through a tetraploid lens <b>Nature genetics</b> Published in Advance April 28, 2025, <a href="https://doi.org/10.1038/s41588-025-02183-5">https://doi.org/10.1038/s41588-025-02183-5</a></i></p> <p><i>C. Gong, Y. Huang, M. Liu, Y. Zhou, Y. Xu, N. Mohammed, X. Qiao, A. Zuccolo, W. Xie, R. A. Wing, J. Zhang, F. Zhou, and Y. Lin. Continuous infiltration and evolutionary trajectory of nuclear organelle DNA in <i>Oryza</i>. <b>Genome Res.</b> Published in Advance April 25, 2025, doi:10.1101/gr.279609.124</i></p> <p><i>HNJ Kuijer, JY Wang, S Bougouffa, M Abrouk, M Jamil, R Incitti, I Alam, A Balakrishna, D Alvarez, C Votta, GE Chen, C Martínez, A. Zuccolo, L Berqdar, S Sioud, V Fiorilli, AR de Lera, L Lanfranco, T Gojobori, RA Wing, SG Krattinger, X Gao, S Al-Babili. Chromosome-scale pearl millet genomes reveal CLAMT1b as key determinant of strigolactone pattern and <i>Striga</i> susceptibility. <b>Nature Commun.</b> 2024 Aug 12;15(1):6906</i></p>		

	<p>K. Sedeek, N. Mohammed, Y. Zhou, <b>A. Zuccolo</b>, K. Sanikommu, S. Kantharajappa, N. Al-Bader, M. Tashkandi, R.A. Wing, M.M. Mahfouz. <i>Multitrait engineering of Hassawi red rice for sustainable cultivation</i>. <b>Plant Science</b>, 2024, 112018, Y. Zhou, N. Kathiresan, Z. Yu, L.F. Rivera, Y. Yang, M. Thimma, K. Manickam, D. Chebotarov, R. Mauleon, K. Chougule, S. Wei, T. Gao, C.D. Green, <b>A. Zuccolo</b>, W. Xie, D. Ware, J. Zhang, K.L. McNally, R.A. Wing. <i>A high-performance computational workflow to accelerate GATK SNP detection across a 25-genome dataset</i>. <b>BMC Biology</b> 22, 13 (2024)</p> <p>K. Sedeek, <b>A. Zuccolo</b>, A. Fornasiero, A. Weber, K. Sanikommu, S. Sampathkumar, L. Rivera Serna, H. Butt, S. Mussurova, A. Alhabsi, N. Nurmansyah, E. Ryan, R. Wing, M. Mahfouz. <i>Multi-omics resources for targeted agronomic improvement of pigmented rice</i>. <b>Nature Food</b> 4, 366–371 (2023). <a href="https://doi.org/10.1038/s43016-023-00742-9">https://doi.org/10.1038/s43016-023-00742-9</a></p> <p>Zhou Y, Yu Z, Chebotarov D, Chougule K, Lu Z, Rivera LF, Kathiresan N, Al-Bader N, Mohammed N, Alsantely A, Mussurova S, Santos J, Thimma M, Trouhan M, Fornasiero A, Green CD, Copetti D, Kudrna D, Llaca V, Lorieux M, <b>Zuccolo A.</b>, Ware D, McNally K, Zhang J, Wing RA. <i>Pan-genome inversion index reveals evolutionary insights into the subpopulation structure of Asian rice</i>. <b>Nature Commun.</b> (2023) Mar 21;14(1):1567. doi: 10.1038/s41467-023-37004-y.</p> <p><b>A. Zuccolo</b>, S. Mfarrej, M. Celii, S. Mussurova, L.F. Rivera, V. Llaca, N. Mohammed, A. Pain, A. F. Alrefaei, A. F. Alrefaei, Wing R.A (2023), <i>The gyrfalcon (Falco rusticolus) genome</i>, <b>G3 Genes/Genomes/Genetics</b>, <a href="https://doi.org/10.1093/g3journal/jkad001">https://doi.org/10.1093/g3journal/jkad001</a>.</p> <p>M. Ventimiglia, G. Marturano, A. Vangelisti, G. Usai, S. Simoni, A. Cavallini, T. Giordani, L. Natali, <b>A. Zuccolo</b>, F. Mascagni. <i>Genome-wide identification and characterisation of exapted transposable elements in the large genome of sunflower (Helianthus annuus L.)</i>, <b>The Plant Journal</b> Dec. 2022</p> <p>Alsantely, A., Gutaker, R., Navarrete Rodríguez, M. E., Arrieta-Espinoza, G., Fuchs, E. J., Costa de Oliveira, A., Tohme, J., <b>Zuccolo, A.</b>, Wing, R. A., &amp; Fornasiero, A. (2022). <i>The International Oryza Map Alignment Project (IOMAP): The Americas – Past achievements and future directions</i>. <b>Journal of Experimental Botany</b>. <a href="https://doi.org/10.1093/jxb/erac490">https://doi.org/10.1093/jxb/erac490</a>.</p> <p>S. Niu, J. Li, W. Bo, W. Yang, <b>A. Zuccolo</b>, S. Giacomello, X. Chen, F. Han, J. Yang, Y. Song, Y. Nie, B. Zhou, P. Wang, Q. Zuo, H. Zhang, J. Ma, J. Wang, L. Wang, Q. Zhu, H. Zhao, Z. Liu, X. Zhang, T. Liu, S. Pei, Z. Li, Y. Hu, Y. Yang, W. Li, Y. Zan, L. Zhou, J. Lin, T. Yuan, W. Li, Y. Li, H. Wei, H. Wu “The Chinese pine genome and methylome unveil key features of conifer evolution” <b>Cell</b> 2021 <a href="https://doi.org/10.1016/j.cell.2021.12.006">https://doi.org/10.1016/j.cell.2021.12.006</a>.</p> <p>R. Lehmann, A. Kovařík, K. Ocialewicz, L. Kirtiklis, <b>A. Zuccolo</b>, J. Tegner, J. Wanzenböck, L. Bernatchez, D. Lamatsch, R. Symonová “DNA transposon expansion is associated with genome size increase in mudminnows” <b>Genome Biology and Evolution</b>. 2021 <a href="https://doi.org/10.1093/gbe/evab228">https://doi.org/10.1093/gbe/evab228</a></p> <p>Song J.-M., Xie W.-Z., Wang S., Guo Y.-X., Koo D.-H., Kudrna D., Gong C., Huang Y., Feng J.-W., Zhang W., Zhou Y., <b>Zuccolo A.</b>, Long E., Lee S., Talag J., Zhou R., Zhu X.-T., Yuan D., Udall J., Xie W., Wing R.A., Zhang Q., Poland J., Zhang J., and Chen L.-L. “Two Gap-free Reference Genomes and a Global View of the Centromere Architecture in Rice” <b>Molecular Plant</b>. 2021 <a href="https://doi.org/10.1016/j.molp.2021.06.018">https://doi.org/10.1016/j.molp.2021.06.018</a></p> <p>H. Yu, T. Lin, X. Meng, H. Du, J. Zhang, G. Liu, M. Chen, Y. Jing, L. Kou, X. Li, Q. Gao, Y. Liang, X. Liu, Z. Fan, Y. Liang, Z. Cheng, M. Chen, Z. Tian, Y. Wang, C. Chu, J. Zuo, J. Wan, Q. Qian, B. Han, <b>A. Zuccolo</b>, R.A. Wing, C. Gao, C. Liang, J. Li “A route to de novo domestication of wild allotetraploid rice” <b>Cell</b> 2021 Mar 4;184(5):1156-1170.e14.</p>
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**Teaching Staff of the University of Arizona**

Name	<b>David A. Baltrus</b>		
Position	<b>Professor</b>		
Academic Career	<b>further Degrees</b> N/A	<b>Higher Education</b> N/A	<b>years</b> N/A
	<b>Graduation Degree</b> Ph. D.	<b>Higher Education</b> University of Oregon	<b>years</b> 2001-2006
Professional Life	<b>Employment</b>  <i>Professor</i>  <i>Associate Professor</i>  <i>Assistant Professor</i>  <i>Postdoctoral Fellow</i>	<b>Employer</b>  <i>University of Arizona</i>  <i>University of Arizona</i>  <i>University of Arizona</i>  <i>University of North Carolina at Chapel Hill</i>	<b>Period of Time</b>  <i>2025-present</i>  <i>2017-2025</i>  <i>2011-2017</i>  <i>2006-2011</i>
Research Plans and Elaborations for the last 5 years	<i>My research has been focused on understanding the genetic and genomic basis of interactions between bacteria and other organisms. This encompasses exploring genes and evolutionary patterns underlying virulence of bacterial plant pathogens, characterizing interactions between bacteria and fungi in the context of plant and animal hosts, on manipulating interactions between plasmid and phage and bacteria, and on discovery of new antimicrobial compounds produced by bacteria.</i>		
Connection to Practical Work for the last 5 years	<i>Through our research as described above, we are exploring for new and highly specific antimicrobial compounds that can act as prophylactic treatments to prevent bacterial diseases in crops and on development of new treatments to enhance or prevent the growth of fungal symbionts and/or pathogens in crops.</i>		
Patents and Copyrights	<b>Method for affecting phenotypic activity of endophytic fungi</b> <b>Patent number:</b> 10913927		
Publications for the last 5 years	<p>1: Oyekanmi OJ, Baltrus DA, Arnold AE. <i>Genome sequences of four endophytic <i>Bacillaceae</i> from wild lettuce</i>. <i>Microbiol Resour Announc</i>. 2025 Oct 9;14(10):e0027425. doi: 10.1128/mra.00274-25</p> <p>2: Baltrus DA, Weaver S, Krings L, Nguyen AE. <i>Genomic Correlates of Tailocin Sensitivity in <i>Pseudomonas syringae</i></i>. <i>G3 (Bethesda)</i>. 2025 Aug 29:jkaf203. doi:10.1093/g3journal/jkaf203. <i>Epub ahead of print</i>.</p> <p>3: Chan DTC, Agarwal V, Baltrus DA, Dillon MM. <i>Unified Classification of the Type III Secreted Effectors of Bacterial Plant Pathogens to Advance Phytopathology Research</i>. <i>Phytopathology</i>. 2025 Oct;115(10):1315-1328. doi:10.1094/PHYTO-02-25-0055-FI.</p> <p>4: Baltrus DA, Kvitko BH. <i>Exploring the open (host) range</i>. <i>Cell Host Microbe</i>. 2025 Jan 8;33(1):10-12. doi: 10.1016/j.chom.2024.12.014.</p> <p>5: Baltrus DA, Carter M, Clark M, Smith C, Spraker J, Inderbitzin P, Arnold AE. <i>Luteibacter mycovicinus sp. nov., a yellow-pigmented gammaproteobacterium found as an endohyphal symbiont of endophytic Ascomycota</i>. <i>Int J Syst Evol Microbiol</i>. 2024 May;74(5):006240. doi:</p>		



Name	<b>Steven Bethard</b>		
Position	<b>Associate Professor</b>		
Academic Career	<b>further Degrees</b> <i>Ph.D. Computer Science and Cognitive Science</i>	<b>Higher Education</b> <i>University of Colorado</i>	<b>years</b> <i>2002-2007</i>
	<b>Graduation Degree</b> <i>B.S., B.A. Computer Science, Mathematics, Linguistics</i>	<b>Higher Education</b> <i>University of Arizona</i>	<b>years</b> <i>1998 – 2002</i>
Professional Life	<b>Employment</b> <i>Research Associate</i> <i>Senior Research</i> <i>Research Associate</i>  <i>Visiting Professor</i>  <i>Assistant Professor</i>  <i>Assistant Professor</i>  <i>Associate Professor</i>	<b>Employer</b> <i>University of Colorado</i> <i>Hopkins University</i> <i>University of Colorado, Institute of Cognitive Science</i>  <i>KU Leuven, Department of Computer Science</i>  <i>University of Alabama at Birmingham</i>  <i>University of Arizona, School of Information</i>  <i>University of Arizona, School of Information</i>	<b>Period of Time</b> <i>2008 – 2008</i> <i>2009</i> <i>2011 – 2013</i>  <i>2011 – 2015</i>  <i>2013 – 2016</i>  <i>2016 – 2020</i>  <i>2020- present</i>
Research Plans and Elaborations for the last 5 years			
Connection to Practical Work for the last 5 years			
Patents and Copyrights			
Publications for the last 5 years	<p><i>Bethard, Steven (2024). "Machine Learning and Deep Learning Algorithms". In: <i>Natural Language Processing in Biomedicine: A Practical Guide</i>. Ed. by Hua Xu and Dina Demner Fushman, pp. 43–76.</i></p> <p><i>Surdeanu, Mihai, John Hungerford, Yee Seng Chan, Jessica MacBride, Benjamin Gyori, Andrew Zupon, Zheng Tang, Haoling Qiu, Bonan Min, Yan Zverev, Caitlin Hilverman, Max Thomas, Walter Andrews, Keith Alcock, Zeyu Zhang, Michael Reynolds, Steven Bethard, Rebecca Sharp, and Egoitz Laparra (July 17 2022). "Taxonomy Builder: a Data-driven and User-centric Tool for Streamlining Taxonomy Construction". In: <i>Proceedings of the Second Workshop on Bridging Human–Computer Interaction and Natural Language Processing</i>, pp. 1–10</i></p>		

Name	<b>Kerry Kevin Cooper</b>		
Position	<b>Associate Professor of Food Safety and Epidemiology</b>		
Academic Career	<b>further Degrees</b> <i>Ph.D. in Pathobiology</i>	<b>Higher Education</b> <i>University of Arizona</i>	<b>years</b> <i>2007</i>
	<b>Graduation Degree</b> <i>B.S. in Biology</i>	<b>Higher Education</b> <i>Sterling College</i>	<b>years</b> <i>1998</i>
Professional Life	<b>Employment</b> <i>Environmental Health Director</i> <i>Graduate Research and Teaching Assistant</i> <i>Postdoctoral Research Associate</i> <i>Postdoctoral Research Associate</i> <i>Assistant Professor</i> <i>Assistant Professor</i> <i>Associate Professor</i>	<b>Employer</b> <i>Navajo County Health Department</i> <i>University of Arizona</i> <i>University of Arizona</i> <i>USDA, ARS</i> <i>California State university, Northridge</i> <i>University of Arizona</i> <i>University of Arizona</i>	<b>Period of Time</b> <i>1998 – 2001</i> <i>2001-2007</i> <i>2007 – 2011</i> <i>2011 – 2013</i> <i>2013 – 2017</i> <i>2017 – 2024</i> <i>2024 - Current</i>
Research Plans and Elaborations for the last 5 years	2021 – 2022  2021 – 2026  2021 – 2024  2021 – 2024  2023 – 2028  2023 – 2028	“CARES ACT supplement funding – Conducting Integrated Infectious Disease and Public Health Research in Peru.”  Centers for Disease Control and Prevention (CDC), \$52,591 total  “Genomic epidemiology of <i>Campylobacter</i> to improve disease control in low- and middle-income countries.” NIH R01, \$214,469 total  “Die-off rates of <i>Escherichia coli</i> O157:H7 in agricultural soils.” Arizona Department of Agriculture (USDA-SCRI), \$240,222 total  “Development of FSMA validation and verification system for leafy greens.” Arizona Department of Agriculture (USDA-SCRI), \$242,960 total  “Enabling infectious disease research capacity in the Peruvian Amazon.” NIH D43, \$70,285 total  “Determining the incidence, risk factors, and biological drivers of irritable bowel syndrome (IBS) as part of the constellation of post-acute sequelae of SARS-CoV-2 infection (PASC) outcomes.” NIH R01, \$1,391,772 total	

	<p>2024 – 2026 “A unified genetic toolkit for <i>Cellulophaga</i>, <i>Sporosarcina</i>, and <i>Gordonia</i> species.” <i>BioMADE</i>, \$44,779 total</p> <p>2024 – 2025 “Assessing contamination of water subsistence foods and breastmilk in rural indigenous communities in the Peruvian Amazon.” <i>University of Arizona One Health Initiative</i>, \$50,000 total</p> <p>2024 – 2025 “Environmental health assessment in a migrant community along the US-Mexico border.” <i>University of Arizona One Health Initiative</i>, \$50,000 total</p>
	<p>2026 - 2028 “Developing pathogen targeted DNA enrichment systems for improved molecular based detection methods.” <i>Arizona Department of Agriculture</i>, \$93,591 total</p>
Connection to Practical Work for the last 5 years	<p>2022 – 2024 “Comparative microbiome in the household and their potential relationships to hygiene in the home.” <i>Reckitt Benckiser (ENA) B.V.</i></p> <p>2024 – 2025 “Indian Western Toilets – Indian Collaboration Project.” <i>Reckitt Benckiser (ENA) B.V.</i></p> <p>2025 – 2026 “How does weather influence transmission of <i>E. coli</i> O157:H7 from animal operations to produce fields.” <i>Center for Produce Safety</i></p> <p>2023 “CPS: Flood Rapid Response.” <i>Center for Produce Safety</i>,</p> <p>2022 – 2023 “Microbial characterization of irrigation waters using rapid, inexpensive, and portable next generation sequencing technologies.” <i>Center for Produce Safety</i>,</p> <p>2023 – 2024 “Microbiological risk assessment using QMRA in preharvest agriculture water treatment systems for leafy greens.” <i>Center for Produce Safety</i></p> <p>2026 – 2027 “Evaluation of grower practices to reduce potential risks associated with the use of BSAAOs in leafy green production.” <i>Center for Produce Safety</i></p>
Patents and Copyrights	None

Name	<b>Gozde Durgut</b>		
Position	<b><i>PhD Student, Second Language Acquisition and Teaching</i></b>		
Academic Career	<b>further Degrees</b> <i>MA in Applied Linguistics PhD student in the Second Language Acquisition &amp; Teaching (SLAT) program</i>	<b>Higher Education</b> <i>the University of Alabama</i>	<b>years</b> <i>N/A</i>
	<b>Graduation Degree</b> <i>N/A</i>	<b>Higher Education</b> <i>University of Arizona</i>	<b>Present time</b>
Professional Life	<b>Employment</b> <i>PhD Student, Second Language Acquisition and Teaching</i>	<b>Employer</b> <i>University of Arizona</i>	<b>Period of Time</b> <i>Present time</i>
Research Plans and Elaborations for the last 5 years			
Connection to Practical Work for the last 5 years			
Patents and Copyrights			
Publications for the last 5 years	<i>“Vocabulary Coverage and Aspects of Vocabulary Knowledge in Turkish Language Teaching Textbooks” (University of Alabama Libraries 2022).</i> <i>“Using Corpus-based Tools in Teaching and Learning Academic Vocabulary” in WAESOL Educator, Vol. 47 No. 1, 2022.</i>		

Name	<b>Nicholas DiRienzo</b>		
Position	<b>Assistant Professor of Data Science</b>		
Academic Career	<b>further Degrees</b> <i>Ph.D.</i> <i>“Neurobiology, Physiology and Behavior”</i>	<b>Higher Education</b> <i>University of California</i>	<b>years</b> <i>2015</i>
	<b>Graduation Degree</b> <i>BS “Biology major”</i>	<b>Higher Education</b> <i>Benedictine university</i>	<b>years</b> <i>2009</i>
Professional Life	<b>Employment</b> <i>Japanese Society for the Promotion of Science Postdoctoral Fellow</i>  <i>Postdoctoral Excellence in Research and Teaching Postdoctoral Fellow</i>  <i>Adjunct Professor of Data Science</i>  <i>Assistant Professor of Data Science</i>	<b>Employer</b> <i>Research Institute for Electronic Science, Hokkaido university, Sapporo, Japan</i>  <i>Department of Ecology and Evolutionary Biology, University of Arizona, Tucson</i>  <i>School of information, University of Arizona, Tucson</i>  <i>School of information, University of Arizona, Tucson</i>	<b>Period of Time</b> <i>2015</i>  <i>2015-2019</i>  <i>2019</i>  <i>2019-present</i>
Research Plans and Elaborations for the last 5 years			
Connection to Practical Work for the last 5 years			
Patents and Copyrights			
Publications for the last 5 years	<i>“Juvenile social experience generates differences in behavioural variation but not averages”, Behavioural Ecology, Vol.30, Issue 2, April 2019.</i>		

Name:	<b>Kevin Daniel Fedewa</b>		
Position:	<b>Assistant Professor of Practice, Assistant Director of International Foundations Writing; Department of English; University of Arizona</b>		
Academic Career	<b>further degrees</b> <i>PhD (ABD) Second Language Studies, Michigan State university</i> <i>MA in TESOL, Michigan State university</i> <i>MA in China Studies, Valparaiso university</i> <b>Graduation degree</b> <i>BA in Interdisciplinary Studies, Wisconsin Lutheran College</i>	<b>Higher Education</b> <i>2019- present</i> <i>2016-2019</i> <i>2008-2009</i> <b>Higher Education</b> <i>2004-2008</i>	<b>years</b> <i>6</i> <i>3</i> <i>1.5</i> <b>years</b> <i>4</i>
Professional Life	<b>Employment</b> <i>Professor</i> <i>Program Director of ESL</i> <i>Mandarin Instructor</i> <i>Assistant Professor of Mandarin</i> <i>Mandarin Instructor</i>	<b>Employer</b> <i>University of Arizona</i> <i>Kettering university</i> <i>Michigan State university</i> <i>Wisconsin Lutheran College</i> <i>Wisconsin Lutheran College</i>	<b>Period of Time</b> <i>2021 to present</i> <i>2016-2021</i> <i>2015-2016</i> <i>2013-2015</i> <i>2010-2013</i>
Research Plans and Elaborations for the last 5 years	<b>Research projects (no funding) on:</b> <ul style="list-style-type: none"> <li>- <b>Task-based Language Teaching, in collaboration with colleagues from Agnes Scott College</b> (e.g., <i>upcoming presentation: Fedewa, K. D., Lo, W. (2025, December 14-15). TBLT in Chinese and Korean immersion programs for teenage, beginning-level learners. TBLT in North America, Michigan State university, East Lansing, Michigan.</i></li> <li>- <b>Genre Knowledge Development and Genre Analysis</b>; (e.g., <i>Fedewa, K. D., Lo, W., &amp; Cheng, J. (2026, March 21-24). Multimodal Genre Analysis of TEDTalk-Style Presentations in Mandarin Chinese. (Individual Paper). American Association of Applied Linguistics (AAAL) Conference. Chicago, Illinois. upcoming presentation</i></li> <li>- <b>Computer Assisted Language Learning in English Writing</b> (e.g., <i>upcoming presentation: Kim, E., &amp; Fedewa, K. D. (2026, March 21-24). Corpora and ChatGPT in Academic Writing Instruction: Comparative Study of Corpus-based, AI-enhanced, and Hybrid DDL Approaches. (Individual Paper). American Association of Applied Linguistics (AAAL) Conference. Chicago, Illinois.</i></li> </ul>		
Connection to Practical Work for the last 5 years	<b>Project:</b> STARTALK Mandarin Chinese Program <b>Partner:</b> University of Arizona <b>Project:</b> STARTALK Mandarin Chinese Program <b>Partner:</b> Agnes Scott College		
Patents and	<i>None</i>		

Copyrights	
Publications for the last 5 years	<p><i>Selected 3 of 5 total.</i></p> <p><b><u>Book Chapter</u></b>  <b>Fedewa, K. D., Lo, W., Paul, K., Kim, A., Kang, C., &amp; Daniel, N. (forthcoming). Implementation of TBLT in Chinese and Korean immersion programs: A Computer-Mediated-Communication (CMC) task for teenage, beginning-level learners. In S. Kherzlou (Ed.) Task-based Language Teaching for young learners: Challenges, opportunities, and goals. John Benjamins.</b></p> <p><b><u>Peer-Reviewed Article</u></b>  <b>Fedewa, K. D. (2024). Holistic evaluation of short-term education abroad interventions: A preliminary case study. <i>Frontiers: The Interdisciplinary Journal of Study Abroad</i>, 36(1), 163–201. <a href="https://doi.org/10.36366/frontiers.v36i1.691">https://doi.org/10.36366/frontiers.v36i1.691</a></b></p> <p><b><u>Conference Summary</u></b>  <b>Hakim, A., Xu, W., <b>Fedewa, K. D., Lo, W., Kessler, M., &amp; Tardy, C. M. (2024). Researching genre knowledge across languages and contexts. <i>Language Teaching</i>, 57(3), 1–5. <a href="https://doi.org/10.1017/S0261444823000484">https://doi.org/10.1017/S0261444823000484</a></b></b></p>

Name	<b>Chris Forsythe</b>		
Position	<b>Adjunct Instructor</b>		
Academic Career	<b>further Degrees</b> <i>Master of Arts in Communication Studies</i>	<b>Higher Education</b> <i>California State university Long Beach</i>	<b>years</b> <i>2016</i>
	<b>Graduation Degree</b> <i>Bachelor of Arts in Communication Studies</i>	<b>Higher Education</b> <i>California State university Long Beach</i>	<b>years</b> <i>2014</i>
Professional Life	<b>Employment</b> <i>Teaching Associate</i>	<b>Employer</b> <i>California State university Long Beach</i>	<b>Period of Time</b> <i>2014-2016</i>
	<i>Adjunct Professor of Communication Studies</i>	<i>Long Beach City College</i>	<i>2016 – present day</i>
	<i>Adjunct Instructor for Arizona's iSchool</i>	<i>University of Arizone</i>	<i>2019 – present day</i>
Research Plans and Elaborations for the last 5 years			
Connection to Practical Work for the last 5 years			
Patents and Copyrights			
Publications for the last 5 years	<i>McPherson, M. B., Barone Girone, H., Forsythe, C., Paiz, K., &amp; Rodriguez, C. (data collection phase). Online safety: An analysis of parent-child conversations. Student manuscript, Department of Communication Studies, California State University, Long Beach.</i>		

Name	<b>Sarah Refi Hind</b>		
Position	<i>Assistant Professor of Practice in Biotechnology and Plant &amp; Microbial Sciences</i>		
Academic Career	<b>Further Degrees</b> <i>Ph.D. Molecular, Cell, and Developmental Biology</i> <b>Graduation Degree</b> <i>B.S. Biology</i> <i>B.A. Russian</i>	<b>Higher Education</b> <i>University of South Carolina</i> <b>Higher Education</b> <i>University of South Carolina</i> <i>University of South Carolina</i>	<b>Years</b> <i>2010</i> <b>Years</b> <i>2005</i> <i>2005</i>
Professional Life	<b>Employment</b> <i>Postdoctoral Associate</i> <i>Postdoctoral Associate</i> <i>Research Associate</i> <i>Assistant Professor</i> <i>Assistant Professor</i> <i>Faculty Affiliate</i> <i>Adjunct Assistant Professor</i> <i>Assistant Professor of Practice</i>	<b>Employer</b> <i>University of South Carolina</i> <i>Boyce Thompson Institute</i> <i>Boyce Thompson Institute</i> <i>University of Illinois</i> <i>Center for Digital Culture, University of Illinois</i> <i>University of Illinois</i> <i>University of Arizona</i>	<b>Period of Time</b> <i>2010-2011</i> <i>2011-2016</i> <i>2016-2017</i> <i>2017-2025</i> <i>2024-present</i> <i>2025-present</i> <i>2025-present</i>
Research Plans and Elaborations for the last 5 years	<i>Flagellin perception in tomato and pepper plants. 2017-present.</i> 1. <i>Bacterial diseases of cucurbit crops. 2017-present.</i> 2. <i>Undergraduate research opportunities. NSF REU Grants 1950819 and 2349220. 2024-present.</i> <i>Center for Research on Programmable Plant Systems. NSF DBI Grant 2019674. 2023-present.</i>		
Connection to Practical Work for the last 5 years			
Patents and Copyrights	1. <i>Martin GB, Hind SR, and Strickler SR. Flagellin-sensing 3 ('fls3') protein and methods of use. <a href="#">Patent No. US 10,557,145 B2</a>. Issue date 2/11/2020.</i> 2. <i>Martin GB, Mainiero S, Hind SR, and Feder A. Enhanced disease resistance in plants. <a href="#">Patent No. US 12,157,895 B2</a>. Issue date 12/03/2024.</i>		

Name	<b>Katelyn Maragi</b>		
Position	<b>Assistant Director, International Education</b>		
Academic Career	<b>Further Degrees</b> <i>Library &amp; Information Science, M.A.</i>	<b>Higher Education</b> <i>University of Arizona</i>	<b>Years</b> <i>2019</i>
	<b>Graduation Degree</b> <i>History, B.S.</i>	<b>Higher Education</b> <i>Illinois State university</i>	<b>Years</b> <i>2016</i>
Professional Life	<b>Employment</b> <i>International Admissions Evaluator</i>	<b>Employer</b> <i>University of Arizona</i>	<b>Period of Time</b> <i>2019</i>
	<i>Assistant Director, International Education</i>	<i>University of Arizona</i>	<i>2019-Present</i>
Research Plans and Elaborations for the last 5 years	<i>N/A</i>		
Connection to Practical Work for the last 5 years	<i>For the past six years I've worked in international higher education, focusing on student success, cross-departmental coordination, and resource development. My work bridges policy and practice to support diverse student populations.</i>		
Patents and Copyrights	<i>N/A</i>		
Publications for the last 5 years	<i>N/A</i>		

Name	<b>Anna Leach</b>		
Position	<b>Lecturer</b>		
Academic Career	<b>further Degrees</b> <i>PhD in Information</i> <i>Minor in Teaching, Learning, and Social Cultural studies</i> <i>Certification in Computations</i> <i>Social Sciences</i>  <i>Master of Learning Technologies Program</i>	<b>Higher Education</b> <i>The University of Arizona</i>	<b>years</b> <i>2021</i>
	<b>Graduation Degree</b> <i>Bachelor of Arts in Mathematics</i>	<b>Higher Education</b> <i>The Ohio State university</i>	<b>years</b> <i>2004</i>
Professional Life	<b>Employment</b> <i>Teaching Associate -</i>  <i>Instructor - ESOC 211 - Collaborating in Online Communities</i> <i>Research Assistant - PowerNotes</i>  <i>Lecturer</i>	<b>Employer</b> <i>ESOC 150 - Social Media and Ourselves</i>  <i>The University of Arizone</i>  <i>The University of Arizone</i>  <i>The University of Arizone</i>	<b>Period of Time</b> <i>2018-2019</i>  <i>2019-2022</i>  <i>2021-2023</i>  <i>2023 – present day</i>
Research Plans and Elaborations for the last 5 years			
Connection to Practical Work for the last 5 years			
Patents and Copyrights			
Publications for the last 5 years	<p><i>Aldulaimi, J., Leach, A., Parks, M., &amp; Dotson, E. (2024). Being Female in Law Enforcement: Insights from the Tucson Police Department 30x30 Initiative. International Journal of Police Science and Management.</i></p> <p><i>Haverland, A., Skorupski, K., Michum, C., Rodrigo, S., &amp; Leach, A. (2023). There and Back Again: Finding, Implementing, and Assessing a Digital Reading, Research, and Writing Application. Advances in Online Education</i></p> <p><i>Leach, A. (2022) 2.2: Social Networks and Online Communities. In Humans R Social Media. Social Sci LibreTexts.</i></p> <p><i><a href="https://socialsci.libretexts.org/Bookshelves/Communication/Journalism_and_Mass_Communication/Humans_R_Social">https://socialsci.libretexts.org/Bookshelves/Communication/Journalism_and_Mass_Communication/Humans_R_Social</a></i></p>		

Name	<b>Christopher Mills</b>		
Position	<b>Assistant Professor of Practice – School of Nutritional Sciences and Wellness</b>		
Academic Career	<b>further Degrees</b> <i>MSN – Public Health (in progress)</i> <i>Master of Public Health</i>	<b>Higher Education</b> <i>Grand Canyon university</i>	<b>years</b> <i>2026</i>
	<b>Graduation Degree</b> <i>B.S. – Dietetics</i>	<b>Higher Education</b> <i>Michigan State university</i>	<b>years</b> <i>2006</i>
Professional Life	<b>Employment</b> <i>Dietetic Technician, Registered</i> <i>Certified Teacher</i> <i>Certified Teacher</i> <i>Lecturer</i> <i>Registered Nurse – Ortho.</i> <i>Assistant Professor</i> <i>Clinical Research Nurse</i>	<b>Employer</b> <i>HealthSouth Rehabilitation</i> <i>Unified School District</i> <i>Tucson Unified School District</i> <i>University of Arizona</i> <i>Banner UMC - Tucson</i> <i>University of Arizona</i> <i>School of Nutritional Sciences and Wellness</i>	<b>Period of Time</b> <i>2013-2014</i> <i>2014-2018</i> <i>2018-2020</i> <i>2020-2024</i> <i>2024</i> <i>2024-Present</i> <i>2025-Present</i>
Research Plans and Elaborations for the last 5 years	<i>Cool Beans Study, School of Nutritional Sciences &amp; Wellness (2024– present)</i> <i>Support research nurse for a nutrition intervention study examining the effects of pulse consumption on cardiometabolic health. Responsibilities include participant assessments, phlebotomy, biomarker collection, and research staff training.</i>		
Connection to Practical Work for the last 5 years	<i>Clinical research nurse role in the Cool Beans dietary intervention trial, including phlebotomy, biomarker collection, and participant assessments.</i> <i>Training of student interns and staff in applied research techniques (phlebotomy, study procedures).</i> <i>Service as Commissioner with the Commission on Dietetic Registration, ensuring practice standards and credentialing relevance to workforce needs.</i>		
Patents and Copyrights	N/A		
Publications for the last 5 years	<ol style="list-style-type: none"> <li>1. Adams, S., Davidson, P., Howes, E., McAdam, K., Messenger, C. M., <b>Mills, C.</b>, Onuoha, E. M., Rodriguez, A., &amp; Rollins, C. (2024, January). Revised 2024 scope and standards of practice for the nutrition and dietetics technician, registered. <i>Commission on Dietetic Registration: Scope and Standards of Practice</i>. <a href="https://www.cdrnet.org/scope">https://www.cdrnet.org/scope</a></li> <li>2. Adams, S., Davidson, P., Howes, E., McAdam, K., Messenger, C. M., <b>Mills, C.</b>, Onuoha, E. M., Rodriguez, A., &amp; Rollins, C. (2024, January). Revised 2024 scope and standards of practice for the registered dietitian nutritionist. <i>Commission on Dietetic Registration: Scope and Standards of Practice</i>. <a href="https://www.cdrnet.org/scope">https://www.cdrnet.org/scope</a></li> </ol>		

Name	<b>Michael McKisson</b>		
Position	<b>Associate Dean for Undergraduate Academic Affairs</b> <b>Associate Professor of Practice</b>		
Academic Career	<b>further Degrees</b> <i>M.B.A., Eller College of Management</i>	<b>Higher Education</b> <i>University of Arizona</i>	<b>years</b> <i>2013</i>
	<b>Graduation Degree</b> <i>B.A., Journalism, School of Journalism</i>	<b>Higher Education</b> <i>University of Arizona</i>	<b>years</b> <i>2008</i>
Professional Life	<b>Employment</b> <i>Adjunct Instructor</i> <i>Assistant Professor of Practice</i> <i>Director of Undergraduate and Associate Professor of Practice</i> <i>Interim Director and Associate Professor of Practice</i> <i>Associate Professor of Practice</i> <i>Director of Undergraduate Faculty Director of Business &amp; University of Arizona Community Partnerships</i> <i>GA/TA Coordinator</i> <i>Associate Dean, Undergraduate Academic Affairs Associate Professor of Practice</i>	<b>Employer</b> <i>School of Journalism</i> <i>University of Arizona</i> <i>School of Journalism</i> <i>University of Arizona</i> <i>School of Journalism</i> <i>University of Arizona</i> <i>Studies College of Information Science</i> <i>University of Arizona</i> <i>College of Information Science</i> <i>University of Arizona</i>	<b>Period of Time</b> <i>2008-2013</i> <i>2013-2019</i> <i>2019-2021</i> <i>2021-2022</i> <i>2019-2023</i> <i>2023 - 2025</i> <i>2025 - current</i>
Research Plans and Elaborations for the last 5 years			
Connection to Practical Work for the last 5 years			
Patents and Copyrights			
Publications for the last 5 years			

Name	<b>Shannon R. Mcwaters</b>		
Position	<b>Instructor</b>		
Academic Career	<b>further Degrees</b> <i>PhD student, Ecology and Evolutionary Biology</i> <i>M.S., Biology</i>	<b>Higher Education</b> <i>University of Arizona</i> <i>Central Michigan university</i>	<b>years</b> <i>2025</i> <i>2019</i>
	<b>Graduation Degree</b> <i>B.S., major: Biology</i>	<b>Higher Education</b> <i>Central Michigan university</i>	<b>years</b> <i>2016</i>
Professional Life	<b>Employment</b>  <i>Graduate Teaching Assistant Spring</i>  <i>Graduate Teaching Assistant</i> <i>Career track instructor August</i>	<b>Employer</b>  <i>Central Michigan University</i>  <i>University of Arizona</i>  <i>College of Information Science university of Arizona</i>	<b>Period of Time</b>  <i>2017 – 2019</i>  <i>2019 – 2025</i>  <i>2025 – Present</i>
Research Plans and Elaborations for the last 5 years	Central Michigan university; Advisor: Dr. Wiline Pangle 2017 –2019 <b>Project 1:</b> <i>Developed and carried out experimental field study on foraging Eastern chipmunks; intensive field data collection; extracted behavioral data from videos; analyzed data; trained and led a team of undergraduate students in the field. Manuscript to be submitted December 2018.</i> <b>Project 2:</b> <i>Developed a theoretical model of vigilance in R statistical software; manipulated mathematical parameters and equations within R; analyzed results. Manuscript to be submitted March 2019.</i>		
Connection to Practical Work for the last 5 years			
Patents and Copyrights			
Publications for the last 5 years	<i>McWaters, S.R. &amp; Pangle, W.L. (2021) Heads up! Variation in the vigilance of foraging chipmunks in response to experimental manipulation of perceived risk. Ethology, 127:309-320</i> <i>McWaters, S.R., Popp, S., Rivera, R., Mendoza, F., &amp; Dornhaus, A. In prep. Inexperienced bumble bees are poor at securely landing regardless of flower orientation or presence of labellum. Biology Letters</i>		

Name	<b>Samantha Orchard</b>		
Position	<b>Professor of Practice</b>		
Academic Career	<b>further Degrees</b> <i>Ph.D. in Bacteriology</i>	<b>Higher Education</b> <i>University of Wisconsin, Madison</i>	years 2005
	<b>Graduation Degree</b> <i>B.S. in Microbiology</i>	<b>Higher Education</b> <i>University of Washington, Seattle</i>	years 1997
Professional Life	<b>Employment</b> <i>Professor of Practice</i>  <i>Associate Professor of Practice</i>  <i>Senior Scientist II, Senior Scientist I, Staff Scientist</i>  <i>Principal Scientist, Senior Microbiologist</i>  <i>Postdoctoral Fellow</i>	<b>Employer</b> <i>University of Arizona</i>  <i>University of Arizona</i>  <i>BASF Enzymes LLC (and formerly Verenium Corporation)</i>  <i>Menon &amp; Associates, Inc.</i>  <i>San Diego State university</i>	<b>Period of Time</b> <i>2024-present</i>  <i>2018-2024</i>  <i>2011-2017</i>  <i>2009-2011</i>  <i>2005-2009</i>
Research Plans and Elaborations for the last 5 years	<i>Not applicable – not a researcher</i>		
Connection to Practical Work for the last 5 years	<i>Not applicable</i>		
Patents and Copyrights	1. Menon S, <b>Orchard SS</b> , Badger J, Lipson D, Guidi S, Sircar JC, Alisala K. 2020. <i>Pharmaceutical products from fungal strains</i> . U.S. Patent US10682380B2. Filed 2016. 2. Tan X, Dodge C, Wong K, Milan AA, <b>Orchard S</b> , Cai R. 2019. <i>Methods for identifying promoters for protein production in yeast</i> . WIPO Patent Application No. WO 2019/236452A1. Filed 2019. 3. Menon SM, Suresh AV, <b>Orchard SS</b> , Alisala K, Sircar JC, Hash SI. 2019. <i>Animal meal that includes fungal biomass</i> . U.S. Patent Application No. 2019/0127673A1. Filed 2018. 4. Menon SM, Suresh AV, <b>Orchard SS</b> , Alisala K, Sircar JC, Hash SI. 2018. <i>Animal meal that includes fungal biomass</i> . U.S. Patent US9994804B4. Filed 2014. 5. Menon S, <b>Orchard SS</b> , Badger J, Lipson D, Guidi S, Sircar JC, Alisala K. 2017. <i>Pharmaceutical products from fungal strains</i> . U.S. Patent Application No. 2017/0065651. Filed 2016. 6. Menon SM, <b>Orchard SS</b> , Badger J, Lipson D, Guidi S, Newman D. 2017. <i>Bioreactors comprising fungal strains</i> . U.S. Patent US9567556B2. Filed 2015. 7. Menon S, <b>Orchard SS</b> , Badger J, Lipson D, Guidi S, Newman D, Sircar JC, Alisala K. 2016. <i>Pharmaceutical products from fungal strains</i> . U.S. Patent US9415080B2. Filed 2014. 8. Menon SM, Newman DE, Sircar JC, Alisala K, Yang KA, <b>Orchard SS</b> , Guidi S. 2016. <i>Methods and systems for the simultaneous production of lipids and aromatics from cellulose feedstocks</i> . U.S. Patent Application No. 2016/0010125A1. Filed 2015. 9. Menon SM, <b>Orchard SS</b> , Badger J, Lipson D, Guidi S, Newman D. 2015.		

	<p><i>Bioreactors comprising fungal strains. U.S. Patent US8999645B2. Filed 2011.</i></p> <p><i>10. Menon S, <b>Orchard SS</b>, Badger J, Lipson D, Guidi S, Newman D, Sircar JC, Alisala K. 2015. Pharmaceutical products from fungal strains. U.S. Patent US8932602B2. Filed 2011.</i></p> <p><i>11. Menon SM, Suresh AV, <b>Orchard SS</b>, Alisala K, Sircar JC. 2014. Animal meal that includes fungal biomass. U.S. Patent US8728550B2. Filed 2011.</i></p> <p><i>12. Menon SM, <b>Orchard SS</b>, Badger J, Lipson D, Guidi S, Newman D. 2012. Bioreactors comprising fungal strains. U.S. Patent Application No. 2012/0034344A1. Filed 2011.</i></p> <p><i>13. Menon S, Alisala K, Chen D, Guidi S, Mitsuda K, Newman DE, <b>Orchard S</b>, Ostrom R, Sircar J, Yang KA. 2011. Microbial processing of cellulosic feedstocks for fuel. U.S. Patent Application No. 2011/0053228A1. Filed 2010.</i></p> <p><i>14. Newman DE, Sircar JC, Alisala K, Yang KA, <b>Orchard S</b>, Guidi S, Menon SM. 2010. Microbial processing of cellulosic feedstocks for fuel. U.S. Patent Application No. 2010/0093047A1. Filed 2009.</i></p>
Publications for the last 5 years	<i>Not applicable</i>

Name	<b>Cecyl Ruehlen</b>		
Position	<b>Instructor</b>		
Academic Career	<b>further Degrees</b>	<b>Higher Education</b>	<b>years</b>
	<i>PhD "Intermedia Art, Writing &amp; Performance"</i>	<i>University of Colorado</i>	<i>2019</i>
	<i>Master of Fine Arts</i>	<i>University of Colorado</i>	<i>2013</i>
	<b>Graduation Degree</b>	<b>Higher Education</b>	<b>years</b>
	<i>Bachelor of Fine Arts</i>	<i>Fort Hays State university</i>	<i>2007</i>
Professional Life	<b>Employment</b> <i>Instructor</i> <i>Adjunct Instructor</i> <i>Lab Instructor</i> <i>Adjunct Faculty</i> <i>Career Faculty</i>	<b>Employer</b> <i>University of Colorado</i> <i>University of Colorado</i> <i>University of Colorado</i> <i>University of Arizone</i> <i>University of Arizone</i>	<b>Period of Time</b> <i>2010-2013</i> <i>2013 - 2014</i> <i>2017- 2021</i> <i>2021 – 2024</i> <i>2025 – present day</i>
Research Plans and Elaborations for the last 5 years			
Connection to Practical Work for the last 5 years			
Patents and Copyrights			
Publications for the last 5 years	<p><i>2021-Present // Represented Artist // 2182 kHz Recording Company // Chicago IL &amp; Bisbee AZ</i></p> <p><i>2019 // Dissertation Book // Georhythmic Drift Music: A Mobile Experiment // University of Colorado // Boulder CO</i></p> <p><i>2018 // Peer Reviewed Audio Work // Narrative Currents: Techne_Lab // Vox Media: Sound in Literature // MATLIT, Vol. 5 // Materials of Literature // <a href="http://impactum-journals.uc.pt/matlit/issue/view/248">http://impactum-journals.uc.pt/matlit/issue/view/248</a></i></p> <p><i>2016 // Author // Jack Angel // The Lune No. 16 // Lunamropolis Press // Printed in the U.S.A.</i></p> <p><i>2013 // Author // Atemporal Radio Tour // Incite: Journal of Experimental Media // <a href="https://incite-online.net/issuefour.html">https://incite-online.net/issuefour.html</a></i></p>		

Name	<b>David Sherman</b>		
Position	<b>Lecturer</b>		
Academic Career	<b>further Degrees</b> <i>B.A. Filmmaking and Philosophy</i>	<b>Higher Education</b> <i>Hampshire College, Amherst, MA.</i>	<b>years</b> 1988
	<b>Graduation Degree</b> <i>M.F.A. Filmmaking</i>	<b>Higher Education</b> <i>San Francisco Art Institute, San Francisco</i>	<b>years</b> 1997
Professional Life	<b>Employment</b>	<b>Employer</b>	<b>Period of Time</b>
	<i>Instructor</i>	<i>Filmmaking Department San Francisco Art Institute</i>	1996
	<i>Adjunct Professor</i>	<i>Department of Cinema, Academy of Art College, San Francisco</i>	1996 - 1997
	<i>Administrative Director</i>	<i>Canyon Cinema Inc., San Francisco, CA.</i>	1989–2001
	<i>Co-Founder</i>	<i>Total Mobile Home Microcinema, San Francisco, CA.</i>	1994–1997
	<i>Adjunct Professor</i>	<i>Department of Film/Video, California College of the Arts</i>	1997–2004
	<i>Associate Curator</i>	<i>San Francisco Cinematheque, San Francisco</i>	2003–2004
	<i>Visiting Adjunct Professor</i>	<i>School of Media Arts, University of Arizona, Tucson, AZ</i>	2007
	<i>Board of Directors</i>	<i>Canyon Cinema Inc., San Francisco, CA.</i>	2010– 2012
	<i>President of the Board</i>	<i>Central School Project Center for the Arts, Bisbee, AZ.</i>	2007–2012
	<i>Co-Founder &amp; Programmer</i>	<i>Exploded View Microcinema, Tucson, AZ.</i>	2013- 2020
	<i>Lecturer</i>	<i>, College of Information, University of Arizona, Tucson, AZ</i>	2014-present
Research Plans and Elaborations for the last 5 years			
Connection to Practical Work for the last 5 years			
Patents and Copyrights			
Publications for the last 5 years	<i>David Sherman &amp; Rebecca Barten, Luther Price in San Francisco A Remembrance, Brett Kashmere and Steve Polta ed., San Francisco Cinematheque and Canyon Cinema Foundation, 2024</i>		

Name	<b>Rebecca Schomer</b>		
Position	<b>Assistant Professor</b>		
Academic Career	<b>further Degrees</b> <i>Ph.D. in Bacteriology</i>	<b>Higher Education</b> <i>University of Wisconsin, Madison</i>	<b>years</b> <i>2018</i>
	<b>Graduation Degree</b> <i>B.S. in Microbiology, B.S. in Anthropology</i>	<b>Higher Education</b> <i>University of Wisconsin, Madison</i>	<b>years</b> <i>2012</i>
Professional Life	<b>Employment</b> <i>Assistant Professor</i>	<b>Employer</b> <i>University of Arizona</i>	<b>Period of Time</b> <i>2023- present</i>
	<i>Postdoctoral Fellow</i>	<i>University of California, Davis</i>	<i>2018-2022</i>
Research Plans and Elaborations for the last 5 years	<i>Dissecting chemoreceptor specificity in <i>Ralstonia solanacearum</i> species complex. 2023 - present, funding by the U.S. Department of Agriculture Summoning Microbial Allies to reduce Nitrogen fertilizer dependency in modern agriculture. 2025 - present, funding by UArizona</i>		
Connection to Practical Work for the last 5 years	<i>Not applicable.</i>		
Patents and Copyrights	<i>Not applicable.</i>		

Publications for the last 5 years	<p>Avalos, JK; Elmgreen, VN; Guerrero, CR; Grulla, KJ; Miqueo, K; Parales, RE; Lowe-Power, TM; <b>Schomer, RA</b><sup>2</sup>. <i>Plant pathogenic Ralstonia share two core methyl-accepting chemoreceptors that drive chemotaxis toward distinct amino acid profiles</i>. <i>BioRXv [Preprint]</i>. 2025 April 8. doi.org/10.1101/2025.04.07.647700</p> <p>Huang Y<sup>1</sup>, <b>Schomer RA</b><sup>1</sup>, Reyes M, Costa K, Parales RE, Whitaker R, Dawson SC. <i>Metagenome-assembled genomes of freshwater Hyphomicrobium sp. G-191 and Methylophilus sp. enriched from Cedar Swamp, Woods Hole, MA. Microbiology Resource Announcements</i>. 2024 Dec 12; 13 (12): e0060824. doi: 10.1128/mra.00608-24 <sup>1</sup>co-first author contribution</p> <p>Lowe-Power, T; Sharma, P; Alfenas-Zerbini, P, Álvarez, B., Arif, M., Baroukh, C., Biosca, E., Bocsanczy, A. M., Castillo, J., Cellier, G., Coutinho, T., Drenth, A., Friman, V-P., Genin, S., Guidot, A., Hikichi, Y., Huang, Q., Iyer-Pascuzzi, A., Kai, K., Pecrix, Y., Poussier, S., Ray, J., Rossato, M., <b>Schomer, R.A.</b>, Siri, M., Vinatzer, B., and Allen, C. "Letter to the Editor: The Ralstonia research community rejects the proposal to classify phylotype I Ralstonia into the new species Ralstonia nicotianae" <i>PhytoFrontiers</i>. 2023 Jun 13; 3 (4): 761-766. doi: 10.1094/PHYTOFR-06-23-0071-LE</p> <p>Valderrama, M.G.<sup>1</sup>, <b>Schomer, R.A.</b><sup>1</sup>, Savageau, M., and Parales, R.E. "TaxisPy - A Python-based Software for the Quantitative Analysis of</p>
	<p>"Bacterial Chemotaxis." <i>J. Microbio. Methods</i>. 2020 Aug; 175: 105918. doi.10.1016/j.mimet.2020.105918  <sup>1</sup>co-first author contribution</p> <p>Luu RA, <b>Schomer RA</b>, Brunton CN, Truong R, Ta AP, Tan WA, Parales JV, Wang YJ, Huo YW, Liu SJ, Ditty JL, Stewart V, Parales RE. <i>Hybrid TwoComponent Sensors for Identification of Bacterial Chemoreceptor Function</i>. <i>Appl Environ Microbiol</i>. 2019 Nov 15; 85 (22) doi: 10.1128/AEM.01626-19</p>

Name	<b>Emily L. Thomas</b>		
Position	<b>Lecturer</b>		
Academic Career	<b>further Degrees</b> <i>PhD, English</i> <i>MA, English, 2013</i>	<b>Higher Education</b> <i>The University of Arizona, Tucson, AZ</i> <i>The University of Arizona, Tucson, AZ</i>	<b>years</b> <i>2019</i> <i>2013</i>
	<b>Graduation Degree</b> <i>BA English</i>	<b>Higher Education</b> <i>St. Mary's College of California,</i> <i>Moraga, CA</i>	<b>years</b> <i>2007</i>
Professional Life	<b>Employment</b> <i>Redivider Magazine, Poetry Editor</i>  <i>Writing Tutor, Writing Instructor</i>  <i>Instructor for New Start</i>  <i>Research Assistant for the American Indian Film Gallery Graduate Assistant</i>	<b>Employer</b> <i>College, Boston, MA</i>  <i>Boston Architectural College</i>  <i>The University of Arizona</i>  <i>The University of Arizona</i> <i>The University of Arizona</i>	<b>Period of Time</b> <i>2010- 2011</i>  <i>2010-2011</i>  <i>2012</i>  <i>2013</i>  <i>2011-present</i>
Research Plans and Elaborations for the last 5 years			
Connection to Practical Work for the last 5 years			
Patents and Copyrights			
Publications for the last 5 years			

Name	<b>Rich Thomson</b>		
Position	<b>Senior Lecturer</b>		
Academic Career	<b>further Degrees</b> <i>MS Geosciences</i> <i>PhD Geosciences</i> <b>Graduation Degree</b> <i>BS Mathematics</i>	<b>Higher Education</b> <i>University of Arizona</i> <b>years</b> <i>2000</i> <i>2004</i> <b>Higher Education</b> <i>University of Arizona</i> <b>years</b> <i>1998</i>	
Professional Life	<b>Employment</b>	<b>Employer</b>	<b>Period of Time</b>
	<i>Discoverer of new dinosaur genus and species Sonorasaurus thompsoni</i>	<i>The official state dinosaur of Arizona</i>	<i>1994</i>
	<i>Technical Editor</i> <i>Contract Lecturer</i> <i>Assistant Director of Federal Relations</i> <i>Lecturer</i>	<i>The Canadian Mineralogist</i> <i>University of Arizona</i> <i>University of Arizona</i> <i>College of Information Science</i> <i>University of Arizona</i>	<i>2004-2007</i> <i>2005-2010</i> <i>2011-2013</i> <i>2014-2021</i>
	<i>Senior Lecturer</i>	<i>College of Information Science, University of Arizona</i>	<i>2021-present</i>
Research Plans and Elaborations for the last 5 years			
Connection to Practical Work for the last 5 years			
Patents and Copyrights			
Publications for the last 5 years			

Name	<b>Isabella (Tingting) Thompson</b>		
Position	<b>Lecturer</b>		
Academic Career	<p><b>further Degrees</b>  <i>Master of Science (M.S.) in Data Science</i></p> <p><b>Graduation Degree</b>  <i>B.S. in Statistics and Data Science &amp; B.S. in Information Science and Technology</i>  <i>Minor in Chinese Language &amp; Certificate in Data Science and Visualization</i></p>	<p><b>Higher Education</b></p> <p><i>University of Arizona</i></p>	<b>years</b>
Professional Life	<p><b>Employment</b>  <i>Section Leader / Teaching Assistant</i></p> <p><i>Graduate Teaching Assistant (Lecturer)</i></p> <p><i>Lecturer of Data Science</i></p>	<p><b>Employer</b></p> <p><i>The university of Arizona School of Social and Behavioral Sciences</i></p> <p><i>The university of Arizona School of Social and Behavioral Sciences</i></p> <p><i>The university of Arizona School of Information Science</i></p>	<p><b>Period of Time</b></p> <p><i>2020-2022</i></p> <p><i>2023</i></p> <p><i>2023- present</i></p>
Research Plans and Elaborations for the last 5 years			
Connection to Practical Work for the last 5 years			
Patents and Copyrights			
Publications for the last 5 years			

Name	<b>Breanna Watkins</b>		
Position	<b>Assistant Professor of Practice in the Department of Agricultural Education, Technology &amp; Innovation</b>		
Academic Career	<b>further Degrees</b> <i>M.Ed. in Agricultural Leadership, Education &amp; Communications</i> <b>Graduation Degree</b> <i>B.S. in Agricultural Technology Management &amp; Education</i>	<b>Higher Education</b> <i>Texas A&amp;M university</i> <b>Higher Education</b> <i>University of Arizona</i>	<b>years</b> <i>2018</i> <b>years</b> <i>2016</i>
Professional Life	<b>Employment</b> <i>Assistant Professor of Practice</i>  <i>Academic Advisor</i>  <i>College Success Navigator</i>	<b>Employer</b> <i>University of Arizona</i>  <i>University of Arizona</i>  <i>Cochise College</i>	<b>Period of Time</b> <i>2024-present</i>  <i>2020-2024</i>  <i>2018-2020</i>
Research Plans and Elaborations for the last 5 years	<i>No applicable- not a researcher</i>		
Connection to Practical Work for the last 5 years	<i>Not applicable</i>		
Patents and Copyrights	<i>Not applicable</i>		
Publications for the last 5 years	<i>Not applicable</i>		

Name	<b>Amritha Suhasini Wickramage</b>		
Position	<b>Assistant Professor of Practice, School of Plant Sciences, University of Arizona, USA</b>		
Academic Career	<b>further Degrees</b> <i>PhD (Plant Pathology) MS (Plant Pathology)</i>	<b>Higher Education</b> <i>University of Arizona, USA</i> <i>University of Arizona, USA</i>	<b>years</b> <i>2013</i> <i>2011</i>
	<b>Graduation Degree</b> <i>BS (Plant Biotechnology Hons.)</i>	<b>Higher Education</b> <i>University of Colombo Sri Lanka</i>	<b>years</b> <i>2004</i>
Professional Life	<b>Employment</b> <i>Assistant Professor of Practice</i> <i>Scientist</i> <i>Postdoctoral Fellow</i> <i>Senior Lecturer</i>	<b>Employer</b> <i>University of Arizona, USA</i> <i>Biotelliga, New Zealand</i> <i>Biotelliga, New Zealand</i> <i>University of Sri Jayewardenepura, Sri Lanka</i>	<b>Period of Time</b> <i>2023- to-date</i> <i>2017-2022</i> <i>2014-2017</i> <i>2013-2014</i>
Research Plans and Elaborations for the last 5 years	<i>Dr. Wickramage is an Assistant Professor of Practice and therefore her focus is on teaching. She does not lead a research program. In her role as a Scientist at Biotelliga, New Zealand Dr. Wickramage planned and performed molecular manipulation experiments on fungi including, but not limited to <i>Aspergillus niger</i>, <i>Beauveria bassiana</i>, <i>Metarhizium robertsii</i>, <i>Neurospora crassa</i>, <i>Saccharomyces cerevisiae</i> and <i>Serendipita indica</i> to high containment, and health and safety standards.</i>		
Connection to Practical Work for the last 5 years	<ol style="list-style-type: none"> <li>1. <i>Facilitation of student experiential learning: Dr. Wickramage has collaborated with institutions within the university (e.g. Controlled Environment Agricultural Center, Tree Ring Laboratory) as well as industry (Bayer, Accelerate Diagnostics) and private organizations (Watershed Management Group) and facilitated successful student visits for professional development and exposure. To give students of online asynchronous courses an experience parallel to students of the in-person modality, Dr. Wickramage has collaborated with the university Center for Assessment, Teaching, and Technology (UCATT) to produce high-quality video tours.</i></li> <li>2. <i>Work experience in the ag-biotech industry: Working in the New Zealand ag-biotech company Biotelliga where the research focus was on producing novel pesticides of biological origin, Dr. Wickramage has expert capability in planning and performing molecular manipulation experiments in fungi to high containment, health, and safety standards, communicating research results within the company, and developing and maintaining process documentation in an industrial work environment.</i></li> </ol>		
Patents and Copyrights	<i>Wickramage AS, Styles KA, Fokin M, Saikia S, and Fleetwood DJ (2018) Materials and Methods for Production of Alkaloids</i>		
Publications for the last 5 years	<i>-</i>		

Name	<b>Sarah Young</b>		
Position	<b>Lecturer</b>		
Academic Career	<b>further Degrees</b> <i>M.A. in English-Rhetoric and Composition</i>  <i>Ph.D. in English-Writing, Rhetorics, and Literacies</i> <b>Graduation Degree</b> <i>B.A. in English- Journalism and Creative Writing</i>	<b>Higher Education</b> <i>Arizona State University, Tempe</i>  <i>Arizona State University, Tempe</i> <b>Higher Education</b> <i>University of Missouri-Kansas City</i>	<b>years</b> 2007  2017  <b>years</b> 2003
Professional Life	<b>Employment</b> <i>Lecturer, School of Information</i>  <i>LEaDing Fellows Postdoc, Media &amp; Communication</i>  <i>Lecturer, School of Information</i> <i>Postdoc in Digitization and AI (Quantum and Emerging Technologies)</i> <i>Lecturer, School of Information</i>	<b>Employer</b> <i>University of Arizona, Tucson</i>  <i>Erasmus university Rotterdam, Rotterdam, Netherlands</i> <i>University of Arizona, Tucson</i>  <i>Erasmus university Rotterdam</i> <i>University of Arizona, Tucson</i>	<b>Period of Time</b> 2017-2019  2019- 2021  2021-2022  2022-2024  2024 - present
Research Plans and Elaborations for the last 5 years			
Connection to Practical Work for the last 5 years			
Patents and Copyrights			
Publications for the last 5 years	<p>Young, S. &amp; McCreery, F. (2024). <i>Superheroes and digital perspectives: Super data</i>. Lexington Press.</p> <p>Young, S. (2023). <i>Working through surveillance and technical communication: Concepts and connections</i>. SUNY Press. <a href="https://sunypress.edu/Books/W/Working-through-Surveillance-andTechnical-Communication">https://sunypress.edu/Books/W/Working-through-Surveillance-andTechnical-Communication</a></p> <p>Young, S. &amp; Visser, F. (2025). <i>Agency between logics: Data privacy tactics, ethics, and the power of the data protection officer</i>. <i>Journal of Technical Writing and Communication</i>. <a href="https://doi.org/10.1177/00472816251384898">https://doi.org/10.1177/00472816251384898</a></p> <p>Young, S., Driessen, S. &amp; Pridmore, J. (2025). <i>We lied to you... and we'll do it again</i> - <i>Communicating Science via YouTube</i>. <i>Kairos</i>, 30(1). <a href="https://kairos.technorhetoric.net/30.1/topoi/young-et-al/">https://kairos.technorhetoric.net/30.1/topoi/young-et-al/</a></p> <p>Young, S. (2024). <i>Pandemic Communications Beyond Risk and Crisis: A Change of Course for</i></p>		

*Law Enforcement During COVID-19. Technical Communication Quarterly.*  
<https://doi.org/10.1080/10572252.2024.2352102>

Young, S., Brooks, C. & Pridmore, J. (2024). *Societal implications of quantum technologies a technocriticism of quantum key distribution*. *First Monday*, 29(3).  
<https://doi.org/10.5210/fm.v29i3.13571>

Young, S. (2021). *Organizational change and security clearance reform: From the January 2021 Capitol insurrection to a future with artificial intelligence?* *Journal of Information Policy*, 11, 350-375. <https://doi.org/10.5325/jinfopol.11.2021.0350>

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<https://doi.org/10.1177/1050651920959201>

Young, S. (2020). *Your digital alter ego – The superhero/villain you (never) wanted transcending space and time?* *Computers and Composition* 55, 1-10.  
<https://doi.org/10.1016/j.compcom.2020.102543>