

**2021 онд Web of Science JCR-IF бүхий сэтгүүлүүдэд хэвлүүлсэн өгүүлүүд**

**Эх сурвалж:** <https://www.webofscience.com/>

1. Adiya, S, S Dalantai, TH Wu, XD Wu, J Yamkhin, YH Bao, **E Sumiya**, G Yadamsuren, D Avirmed, and B Dorjgotov. 2021. "Spatial and Temporal Change Patterns of Near-Surface CO<sub>2</sub> and CH<sub>4</sub> Concentrations in Different Permafrost Regions on the Mongolian Plateau from 2010 to 2017." *SCIENCE OF THE TOTAL ENVIRONMENT* 800 (December). <https://doi.org/10.1016/j.scitotenv.2021.149433>.
2. Ahlborn, J, K Wesche, B Lang, **M Oyunbileg**, **B Oyuntsetseg**, C Romermann, NF Collier, and H von Wehrden. 2021. "Interactions between Species Richness, Herbivory and Precipitation Affect Standing Biomass in Mongolian Rangelands." *APPLIED VEGETATION SCIENCE* 24 (2). <https://doi.org/10.1111/avsc.12581>.
3. Alstrom, P, J van Linschooten, PF Donald, G Sundev, Z Mohammadi, F Ghorbani, A Shafeipour, et al. 2021. "Multiple Species Delimitation Approaches Applied to the Avian Lark Genus Alaudala." *MOLECULAR PHYLOGENETICS AND EVOLUTION* 154 (January). <https://doi.org/10.1016/j.ympev.2020.106994>.
4. **Altansukh, G**, and DR Osborn. 2022. "Using Structural Break Inference for Forecasting Time Series." *EMPIRICAL ECONOMICS* 63 (1): 1–41. <https://doi.org/10.1007/s00181-021-02137-w>.
5. Alzua, ML, S Batbekh, A Batchuluun, **B Dalkhjav**, and J Galdo. 2021. "Demand-Driven Youth Training Programs: Experimental Evidence from Mongolia." *WORLD BANK ECONOMIC REVIEW* 35 (3): 720–44. <https://doi.org/10.1093/wber/lhaa013>.
6. Amanze, C, XY Zheng, ML Man, ZJ Yu, CB Ai, XY Wu, SS Xiao, et al. 2022. "Recovery of Heavy Metals from Industrial Wastewater Using Bioelectrochemical System Inoculated with Novel *Castellaniella* Species." *ENVIRONMENTAL RESEARCH* 205 (April). <https://doi.org/10.1016/j.envres.2021.112467>.
7. Artyukh, AG, AN Vorontsov, SA Klygin, GA Kononenko, YM Sereda, and **B Erdemchimeg**. 2021. "Multinucleon Transmissions in O-18 (35 MeV/Nucleon)+Ta-181 (Be-9) Reactions." *PHYSICS OF PARTICLES AND NUCLEI LETTERS* 18 (1): 19–26. <https://doi.org/10.1134/S1547477121010027>.
8. Augugliaro, C, S Anile, B Munkhtsog, C Janchivlamdan, **E Batzorig**, I Mazzon, and C Nielsen. 2022. "Activity Overlap between Mesocarnivores and Prey in the Central Mongolian Steppe." *ETHOLOGY ECOLOGY & EVOLUTION* 34 (5): 514–30. <https://doi.org/10.1080/03949370.2021.1975312>.
9. Baasanmunkh, S, HJ Choi, **B Oyuntsetseg**, and NV Friesen. 2021. "Seed Testa Sculpture of Species of Allium L. (Amaryllidaceae) and Its Taxonomic Implications." *TURCZANINOWIA* 24 (1): 154–61. <https://doi.org/10.14258/turczaninowia.24.1.17>.
10. Baasanmunkh, S, **B Oyuntsetseg**, P Efimov, Z Tsegmed, S Vandandorj, K Oyundelger, M Urgamal, et al. 2021. "Orchids of Mongolia: Taxonomy, Species Richness and Conservation Status." *DIVERSITY-BASEL* 13 (7). <https://doi.org/10.3390/d13070302>.
11. Baasanmunkh, S, **B Oyuntsetseg**, C Oyundari, K Oyundelger, M Urgamal, D Darikhand, N Soninkhishig, et al. 2021. "The Vascular Plant Diversity of Dzungarian Gobi in Western Mongolia, with an Annotated Checklist." *PHYTOTAXA* 501 (1): 1–55. <https://doi.org/10.11646/phytotaxa.501.1.1>.
12. Baasanmunkh, S, M Urgamal, **B Oyuntsetseg**, A Grabovskaya-Borodina, K Oyundelger, Z Tsegmed, V Gundegmaa, et al. 2021. "Updated Checklist of Vascular Plants Endemic to Mongolia." *DIVERSITY-BASEL* 13 (12). <https://doi.org/10.3390/d13120619>.
13. **Basantseren, G**, YL Cao, and NE Dalkhaa. 2021. "Use of Multiple Light Sources to Enhance the Resolution of Point Light Source Displays." *APPLIED OPTICS* 60 (29): 9213–18. <https://doi.org/10.1364/AO.438873>.

14. Bach, J, and B Nienass. 2021. "Innocence and the Politics of Memory Introduction." *GERMAN POLITICS AND SOCIETY* 39 (1): 1–14. <https://doi.org/10.3167/gps.2021.390101>.
15. Banzragchgarav, O, NR Ariefta, T Murata, P Myagmarsuren, B Battsetseg, B Battur, **J Batkhuu**, and Y Nishikawa. 2021. "Evaluation of Mongolian Compound Library for Potential Antimalarial and Anti-Toxoplasma Agents." *PARASITOLOGY INTERNATIONAL* 85 (December). <https://doi.org/10.1016/j.parint.2021.102424>.
16. Banzragchgarav, O, **J Batkhuu**, P Myagmarsuren, B Battsetseg, B Battur, and Y Nishikawa. 2021. "In Vitro Potently Active Anti-Plasmodium and Anti-Toxoplasma Mongolian Plant Extracts." *ACTA PARASITOLOGICA* 66 (4): 1442–47. <https://doi.org/10.1007/s11686-021-00401-8>.
17. Bao, TA, T Gao, **B Nandintsetseg**, M Yong, and ER Jin. 2021. "Variations in Frequency and Intensity of Dust Events Crossing the Mongolia-China Border." *SOLA* 17 (August): 145–50. <https://doi.org/10.2151/sola.2021-026>.
18. Batbold, C, **S Chonokhuu**, K Buuveijargal, and K Gankhuyag. 2021. "Source Apportionment and Spatial Distribution of Heavy Metals in Atmospheric Settled Dust of Ulaanbaatar, Mongolia." *ENVIRONMENTAL SCIENCE AND POLLUTION RESEARCH* 28 (33): 45474–85. <https://doi.org/10.1007/s11356-021-13861-2>.
19. **Batchuluun, A.** 2021. "The Gender Wage Gap in Mongolia: Sectoral Segregation as a Driving Factor." *REVIEW OF DEVELOPMENT ECONOMICS* 25 (3): 1437–65. <https://doi.org/10.1111/rode.12763>.
20. Batchuluun, S, H Matsune, K Shiomori, **O Bayanjargal**, and T Baasankhuu. 2021. "Preparation of Polystyrene Microcapsules Containing Saline Water Droplets via Solvent Evaporation Method and Their Structural Distribution Analysis by Machine Learning." *JOURNAL OF CHEMICAL ENGINEERING OF JAPAN* 54 (9): 517–24. <https://doi.org/10.1252/jcej.21we052>.
21. Batkhisig, D, **P Enkhbayar**, RH Kretsinger, and N Matsushima. 2021. "A Crucial Residue in the Hydrophobic Core of the Solenoid Structure of Leucine Rich Repeats." *BIOCHIMICA ET BIOPHYSICA ACTA-PROTEINS AND PROTEOMICS* 1869 (6). <https://doi.org/10.1016/j.bbapap.2021.140631>.
22. Bat-Orgil, T, **B Dugarjav**, and T Shimizu. 2021. "Active Power-Decoupling Circuit to Reduce Ripple Currents of Recycling Batteries Used with Single-Phase Voltage Source Inverters." *IEEJ JOURNAL OF INDUSTRY APPLICATIONS* 10 (2): 262–63. <https://doi.org/10.1541/ieejjia.L20001041>.
23. **Batsukh, B**, and H Brenner. 2021. "HILBERT-KUNZ MULTIPLICITY OF BINODES." *JOURNAL OF COMMUTATIVE ALGEBRA* 13 (1): 1–27. <https://doi.org/10.1216/jca.2021.13.1>.
24. Batsuren, K, G Bella, and F Giunchiglia. 2022. "A Large and Evolving Cognate Database." *LANGUAGE RESOURCES AND EVALUATION* 56 (1): 165–89. <https://doi.org/10.1007/s10579-021-09544-6>.
25. Battsengel, E, T Murayama, S Nishikizawa, and **S Chonokhuu**. 2021. "Evaluation of Daily Behaviors Related to Health Risks of the Ger Residents in Ulaanbaatar, Mongolia." *SUSTAINABILITY* 13 (9). <https://doi.org/10.3390/su13094817>.
26. Battulga, G, L Altangerel, and **G Battur**. 2021. "Loan Interest Rate Nash Models with Solvency Constraints in the Banking Sector." *OPTIMIZATION METHODS & SOFTWARE* 36 (5): 891–908. <https://doi.org/10.1080/10556788.2021.1891537>.
27. Bayandonoi, G, K Sharma, JS Alexander, P Lkhagvajav, I Durbach, C Buyanaa, B Munkhtsog, et al. 2021. "Mapping the Ghost: Estimating Probabilistic Snow Leopard Distribution across Mongolia." *DIVERSITY AND DISTRIBUTIONS* 27 (12): 2441–53. <https://doi.org/10.1111/ddi.13412>.
28. Bayaraa, B, A Hirano, **M Purevtseren**, **B Vandansambuu**, B Damdin, and E Natsagdorj. n.d. "Applicability of Different Vegetation Indices for Pasture Biomass Estimation in the North-Central Region of Mongolia." *GEOCARTO INTERNATIONAL*. <https://doi.org/10.1080/10106049.2021.1974956>.

29. **Bayartogtokh, B**, and SG Ermilov. 2021a. "A Remarkable New Species of Hungarobelbidae (Acar: Oribatida) Exhibiting Characteristic Features of Two Genera, with Notes on Its Systematic Relationships." *SYSTEMATIC AND APPLIED ACAROLOGY* 26 (3): 624–40. <https://doi.org/10.11158/saa.26.3.11>.
30. **Bayartogtokh, B**, and SG Ermilov. 2021b. "A New Genus of Cepheidae and Reassessment of the Family (Acar: Oribatida)." *SYSTEMATIC AND APPLIED ACAROLOGY* 26 (7): 1198–1212. <https://doi.org/10.11158/saa.26.7.2>.
31. **Bayartogtokh, B**, SG Ermilov, UY Shtanchaeva, and LS Subias. 2021a. "Ontogenetic Instars of Hermannia Longisetosa Subias & Shtanchaeva, 2013, with Remarks on Juveniles of Hermanniidae (Acar: Oribatida)." *ZOOTAXA* 5086 (1): 49–68. <https://doi.org/10.11646/zootaxa.5086.1.6>.
32. **Bayartogtokh, B**, SG Ermilov, UY Shtanchaeva, and LS Subias. 2021b. "Ontogenetic Instars of Melanozetes Paramollicomus Sp. Nov., with Remarks on Morphological Ontogeny of Sphaerozetinae (Acar: Oribatida: Ceratozetidae)." *ZOOTAXA* 5086 (1): 69–89. <https://doi.org/10.11646/zootaxa.5086.1.7>.
33. **Begzjav, TK**, and GS Agarwal. 2021. "Squeezing of Spin-1 Quantum States via a One-Axis Twisting Hamiltonian." *PHYSICAL REVIEW A* 104 (2). <https://doi.org/10.1103/PhysRevA.104.023706>.
34. Block-Berlitz, M, B Ducke, H Rohland, C Franken, P Suchowska, T Batbayar, and **U Erdenebat**. 2022. "Area-Optimized, Rapid UAV-Borne Recording of Medieval Heritage in Central Asia." *JOURNAL OF FIELD ARCHAEOLOGY* 47 (2): 90–104. <https://doi.org/10.1080/00934690.2021.2007661>.
35. Bolag, A, QL Wang, LA Liu, **T Jamiyansuren, U Tumurpurev, N Tuvjargal, TN Bao, J Ning, H Alata, and O Tegus**. 2021. "Improved Photovoltaic Performance of Dye-Sensitized Solar Cells Using Dual Post Treatment Based on TiCl<sub>4</sub> and Urea Solution." *MICRO & NANO LETTERS* 16 (3): 232–38. <https://doi.org/10.1049/mna2.12037>.
36. Bolortuya, B, S Kawabata, A Yamagami, **BO Davaapurev, F Takahashi, K Inoue, A Kanatani, et al.** 2021. "Transcriptome Analysis of Chloris Virgata, Which Shows the Fastest Germination and Growth in the Major Mongolian Grassland Plant." *FRONTIERS IN PLANT SCIENCE* 12 (June). <https://doi.org/10.3389/fpls.2021.684987>.
37. Bristley, J, and **EO Tumen-Ochir**. 2021. "'Tears of Rejoicing Spirits' Happiness and the Mediation of Human-Spirit Relations in a Mongolian Mountain Sacrifice." *INNER ASIA* 23 (1): 131–49. <https://doi.org/10.1163/22105018-12340165>.
38. Bubenchikov, AM, MA Bubenchikov, AS Chelnokova, and **S Jambaa**. 2021. "An Analytical Solution to the Problem of Hydrogen Isotope Passage through Composite Membranes Made from 2D Materials." *MATHEMATICS* 9 (19). <https://doi.org/10.3390/math9192353>.
39. Buehler, MD, P Zoljargal, E Purvee, K Munkhbayar, M Munkhbaatar, N Batsaikhan, NB Ananjeva, et al. 2021. "THE RESULTS OF FOUR RECENT JOINT EXPEDITIONS TO THE GOBI DESERT: LACERTIDS AND AGAMIDS." *RUSSIAN JOURNAL OF HERPETOLOGY* 28 (1): 15–32. <https://doi.org/10.30906/1026-2296-2021-28-1-15-32>.
40. Bumaa, B, E Uyanga, G Sevjidsuren, **J Davaasambuu**, and P Altantsog. 2022. "Evolution of Electrochemical Properties of Polyaniline Doped by Graphene Oxide." *POLYMER BULLETIN* 79 (9): 7443–58. <https://doi.org/10.1007/s00289-021-03837-0>.
41. Buyandelger, S, B Otgonbayar, **B Bayartogtokh**, and JD Murdoch. 2021. "Ecosystem Engineering by Endangered Mongolian Marmots Supports Darkling Beetles." *MAMMALIAN BIOLOGY* 101 (5): 583–88. <https://doi.org/10.1007/s42991-021-00124-3>.
42. Buyankhishig, B, T Murata, B Odonbayar, **J Batkhuu**, and K Sasaki. 2021. "New Compounds from the Aerial Parts of Calligonum Mongolicum." *PHYTOCHEMISTRY LETTERS* 41 (February): 147–51. <https://doi.org/10.1016/j.phytol.2020.12.002>.
43. Byambadorj, SO, **B Nyam-Osor**, BB Park, T Avirmed, GS Scippa, D Chiatante, A Montagnoli, and A Dimitrova. 2022. "Afforestation of Mongolian Steppe: Patterns of Biomass Partitioning in

- Populus Sibirica and Ulmus Pumila Trees in Response to Management Supporting Measures.” *PLANT BIOSYSTEMS* 156 (4): 969–81. <https://doi.org/10.1080/11263504.2021.1985002>.
- 44. Byambadorj, SO, BB Park, JO Hernandez, N Dulamsuren, Z Sainbayan, O Altantugs, K Sharavdorj, IK Seong, and **NO Batkhuu**. 2021. “Optimal Irrigation Regime for Woody Species Potentially Suitable for Effective and Sustainable Afforestation in the Desert Region of Mongolia.” *LAND* 10 (2). <https://doi.org/10.3390/land10020212>.
  - 45. Byambadorj, SO, BB Park, JO Hernandez, E Tsedensodnom, O Byambasuren, A Montagnoli, D Chiatante, and **B Nyam-Osor**. 2021. “Effects of Irrigation and Fertilization on the Morphophysiological Traits of Populus Sibirica Hort. Ex Tausch and Ulmus Pumila L. in the Semiarid Steppe Region of Mongolia.” *PLANTS-BASEL* 10 (11). <https://doi.org/10.3390/plants10112407>.
  - 46. Cerny, J, B Buyannemekh, T Needham, G Gankhuyag, and **D Oyunsetseg**. 2021. “Hard Ticks and Tick-Borne Pathogens in Mongolia Mongolia-A Review (Vol 10, 101268, 2019).” *TICKS AND TICK-BORNE DISEASES* 12 (5). <https://doi.org/10.1016/j.ttbdis.2021.101692>.
  - 47. Chimed, O, JS Alexander, G Samelius, P Lkhagvajav, L Davaa, N Bayasgalan, and K Sharma. 2021. “Examining the Past and Current Distribution of Pallas’s Cat in Southern Mongolia.” *MAMMALIAN BIOLOGY* 101 (6): 811–16. <https://doi.org/10.1007/s42991-021-00132-3>.
  - 48. Chimeddorj, B, D Munkhbat, B Altanbaatar, O Dolgorjav, and **B Oyunsetseg**. 2021. “Hydrogeochemical Characteristics and Geothermometry of Hot Springs in the Altai Region, Mongolia.” *GEOCHEMISTRY-EXPLORATION ENVIRONMENT ANALYSIS* 21 (4). <https://doi.org/10.1144/geochem2021-016>.
  - 49. **Chojil, E**, CE Mendez, WK Wong, JP Vieito, and **MU Batmunkh**. 2022. “Thirty Years of Herd Behavior in Financial Markets: A Bibliometric Analysis.” *RESEARCH IN INTERNATIONAL BUSINESS AND FINANCE* 59 (January). <https://doi.org/10.1016/j.ribaf.2021.101506>.
  - 50. Choontong, C, TMK Shih, **A Ochirbat**, W Sommool, and YY Zhuang. 2021. “An Attention Enhanced Sentence Feature Network for Subtitle Extraction and Summarization.” *EXPERT SYSTEMS WITH APPLICATIONS* 178 (September). <https://doi.org/10.1016/j.eswa.2021.114946>.
  - 51. Chuluunbaatar, A, and **E Rentsen**. 2022. “SOLVING A FRACTIONAL PROGRAMMING PROBLEM IN A COMMERCIAL BANK.” *JOURNAL OF INDUSTRIAL AND MANAGEMENT OPTIMIZATION* 18 (6): 4183–90. <https://doi.org/10.3934/jimo.2021153>.
  - 52. Chuluunkhuyag, O, CY Lv, J Treiber, **O Batlai**, H von Wehrden, R Feller, and K Wesche. 2021. “Influence of Altitude and Longitude on Vegetation in the Dzungarian Gobi and the South-Western Mongolian Altai.” *PHYTOCOENOLOGIA* 50 (4): 339–69. <https://doi.org/10.1127/phyto/2021/0371>.
  - 53. Dambadarjaa, D, GE Altankhuyag, U Chandaga, SO Khuyag, B Batkhorol, N Khaidav, O Dulamsuren, et al. 2021. “Factors Associated with COVID-19 Vaccine Hesitancy in Mongolia: A Web-Based Cross-Sectional Survey.” *INTERNATIONAL JOURNAL OF ENVIRONMENTAL RESEARCH AND PUBLIC HEALTH* 18 (24). <https://doi.org/10.3390/ijerph182412903>.
  - 54. Darkhanbaatar, N, MU Erdenebat, CW Shin, KC Kwon, KY Lee, **G Baasantseren**, and N Kim. 2021. “Three-Dimensional See-through Augmented-Reality Display System Using a Holographic Micromirror Array.” *APPLIED OPTICS* 60 (25): 7545–51. <https://doi.org/10.1364/AO.428364>.
  - 55. **Davaasambuu, B**, T Telmuun, D Sasko, KP Yu, and S Sodabileg. 2021. “NOVEL ANCHOR-SELECTION SCHEME FOR DISTRIBUTED MOBILITY MANAGEMENT.” *COMPUTER SCIENCE-AGH* 22 (1): 143–64. <https://doi.org/10.7494/csci.2021.22.1.3708>.
  - 56. Davi, NK, MP Rao, R Wilson, L Andreu-Hayles, R Oelkers, R D’Arrigo, **B Nachin**, et al. 2021. “Accelerated Recent Warming and Temperature Variability Over the Past Eight Centuries in the Central Asian Altai From Blue Intensity in Tree Rings.” *GEOPHYSICAL RESEARCH LETTERS* 48 (16). <https://doi.org/10.1029/2021GL092933>.
  - 57. **Dayantsolmon, D, and A Galtbayar**. 2021. “Non-Relativistic Pauli-Fierz Hamiltonian for Less than Two Photons.” *HOKKAIDO MATHEMATICAL JOURNAL* 50 (3): 309–26. <https://doi.org/10.14492/hokmj/2019-164>.

58. Dayaram, A, P Seeber, A Courtiol, S Soilemetzidou, K Tsangaras, M Franz, GK McEwen, et al. 2021. "Seasonal Host and Ecological Drivers May Promote Restricted Water as a Viral Vector." *SCIENCE OF THE TOTAL ENVIRONMENT* 773 (June). <https://doi.org/10.1016/j.scitotenv.2021.145446>.
59. Dechinlkhundev, D, M Zorigt, and I Dorjsuren. 2021. "The Sustainable Use of Groundwater Resources Concerning Further Climate Change Scenarios in Ulaanbaatar City Area, Mongolia." *JOURNAL OF WATER AND CLIMATE CHANGE* 12 (5): 2093–2103. <https://doi.org/10.2166/wcc.2021.327>.
60. Dey, LS, MVP Simoes, O Hawlitschek, MG Sergeev, SQ Xu, D Lkhagvasuren, and M Husemann. 2021. "Analysis of Geographic Centrality and Genetic Diversity in the Declining Grasshopper Species *Bryodemella Tuberculata* (Orthoptera: Oedipodinae)." *BIODIVERSITY AND CONSERVATION* 30 (10): 2773–96. <https://doi.org/10.1007/s10531-021-02221-8>.
61. Dorjsuren, B, N Batsaikhan, DH Yan, O Yadamjav, S Chonokhuu, A Enkhbold, TL Qin, et al. 2021. "Study on Relationship of Land Cover Changes and Ecohydrological Processes of the Tuul River Basin." *SUSTAINABILITY* 13 (3). <https://doi.org/10.3390/su13031153>.
62. Dovdon, E, and S Batsuuri. 2021. "Text2Plot: Sentiment Analysis by Creating 2D Plot Representations of Texts." *IEEE TRANSACTIONS ON ELECTRICAL AND ELECTRONIC ENGINEERING* 16 (6): 852–60. <https://doi.org/10.1002/tee.23372>.
63. Dugerdil, L, S Joannin, O Peyron, I Jouffroy-Bapicot, B Vanniere, B Boldgiv, J Unkelbach, H Behling, and G Menot. 2021. "Climate Reconstructions Based on GDGT and Pollen Surface Datasets from Mongolia and Baikal Area: Calibrations and Applicability to Extremely Cold-Dry Environments over the Late Holocene." *CLIMATE OF THE PAST* 17 (3): 1199–1226. <https://doi.org/10.5194/cp-17-1199-2021>.
64. Dugerdil, L, G Menot, O Peyron, I Jouffroy-Bapicot, S Ansanay-Alex, I Antheaume, H Behling, et al. 2021. "Late Holocene Mongolian Climate and Environment Reconstructions from BrGDGTs, NPPs and Pollen Transfer Functions for Lake Ayrag: Paleoclimate Implications for Arid Central Asia." *QUATERNARY SCIENCE REVIEWS* 273 (December). <https://doi.org/10.1016/j.quascirev.2021.107235>.
65. Engler, JO, K Wesche, P Kaczensky, P Dhakal, O Chuluunkhuyag, and H von Wehrden. 2021. "Biophysical Variability and Politico-Economic Singularity: Responses of Livestock Numbers in South Mongolian Nomadic Pastoralism." *ECOLOGICAL ECONOMICS* 187 (September). <https://doi.org/10.1016/j.ecolecon.2021.107073>.
66. Enkhbat, R, and B Sukhee. 2021. "Optimization Approach to Berge Equilibrium for Bimatrix Game." *OPTIMIZATION LETTERS* 15 (2): 711–18. <https://doi.org/10.1007/s11590-020-01688-8>.
67. Enkhbold, A, B Dorjsuren, U Khukhuudei, G Yadamsuren, D Badarch, S Dorjgochoo, Y Gonchigjav, O Nyamsuren, G Ragchaa, and M Gedefaw. 2021. "IMPACT OF FAULTS ON THE ORIGIN OF LAKE DEPRESSIONS: A CASE STUDY OF BAYAN NUUR DEPRESSION, NORTH-WEST MONGOLIA, CENTRAL ASIA." *GEOGRAFIA FISICA E DINAMICA QUATERNARIA* 44 (1): 53–66. <https://doi.org/10.4461/GFDQ.2021.44.5>.
68. Enkhbold, A, U Khukhuudei, T Kusky, B Tsermaa, and D Doljin. 2022. "Depression Morphology of Bayan Lake, Zavkhan Province, Western Mongolia: Implications for the Origin of Lake Depression in Mongolia." *PHYSICAL GEOGRAPHY* 43 (6): 727–52. <https://doi.org/10.1080/02723646.2021.1899477>.
69. Enkhtur, K, G Brehm, B Boldgiv, and M Pfeiffer. 2021a. "Alpha and Beta Diversity Patterns of Macro-Moths Reveal a Breakpoint along a Latitudinal Gradient in Mongolia." *SCIENTIFIC REPORTS* 11 (1). <https://doi.org/10.1038/s41598-021-94471-3>.
70. Enkhtur, K, G Brehm, B Boldgiv, and M Pfeiffer. 2021b. "Effects of Grazing on Macro-Moth Assemblages in Two Different Biomes in Mongolia." *ECOLOGICAL INDICATORS* 133 (December). <https://doi.org/10.1016/j.ecolind.2021.108421>.
71. Enkhtur, MU. 2021. "The Making and Remaking of a National People's Hero and Exemplar in Mongolia's Socialist, Nationalist and Democratic Mobilisations." *INNER ASIA* 23 (2): 190–211.

- [https://doi.org/10.1163/22105018-12340171.](https://doi.org/10.1163/22105018-12340171)
- 72. Erdenebaatar, OE, and U Ninjbat. 2021. “The Smallest Convex K-Gon Containing n Congruent Disks.” *ELEMENTE DER MATHEMATIK* 77 (3): 122–37. <https://doi.org/10.4171/EM/451>.
  - 73. Erdenejargal, N, B Dorjsuren, L Choijinjav, D Doljin, A Enkhbold, B Munkhuu, B Natsagdorj, and A Girma. 2021. “Evaluation of the Natural Landscape Aesthetic: A Case Study of Uvs Province, Mongolia.” *POLISH JOURNAL OF ENVIRONMENTAL STUDIES* 30 (5): 4497–4509. <https://doi.org/10.15244/pjoes/132788>.
  - 74. Galindev, O, T Takeguchi, and MM Rahman. 2021. “Understanding the Mechanisms and Design Principles for Oxygen Evolution and Oxygen Reduction Activity on Perovskite Catalysts for Alkaline Zinc-Air Batteries.” *CATALYSIS SCIENCE & TECHNOLOGY* 11 (15): 5200–5211. <https://doi.org/10.1039/d1cy00657f>.
  - 75. Gallo, G, M Fyhrie, C Paine, SV Ushakov, M Izuho, B Gunchinsuren, N Zwyns, and A Navrotsky. 2021. “Characterization of Structural Changes in Modern and Archaeological Burnt Bone: Implications for Differential Preservation Bias.” *PLOS ONE* 16 (7). <https://doi.org/10.1371/journal.pone.0254529>.
  - 76. Ganbaatar, B, T Jamsran, A Gradel, and G Sukhbaatar. 2021. “Assessment of the Effects of Thinnings in Scots Pine Plantations in Mongolia: A Comparative Analysis of Tree Growth and Crown Development Based on Dominant Trees.” *FOREST SCIENCE AND TECHNOLOGY* 17 (3): 135–43. <https://doi.org/10.1080/21580103.2021.1963326>.
  - 77. Ganbat, M, E Batbaatar, G Bazarragchaa, T Ider, E Gantumur, L Dashkhorol, K Altantsatsralt, M Nemekh, E Dashdondog, and OE Namsrai. 2021. “Effect of Psychological Factors on Credit Risk: A Case Study of the Microlending Service in Mongolia.” *BEHAVIORAL SCIENCES* 11 (4). <https://doi.org/10.3390/bs11040047>.
  - 78. Ganbayar, G. 2021a. “Analysis of External Debt Sustainability in Mongolia: An Estimated DSGE Approach.” *SUSTAINABILITY* 13 (15). <https://doi.org/10.3390/su13158545>.
  - 79. Ganbayar, G. 2021b. “An Investigation into the Sources of Depreciations in Mongolian Tugrik Exchange Rate: A Structural VAR Approach.” *JOURNAL OF RISK AND FINANCIAL MANAGEMENT* 14 (11). <https://doi.org/10.3390/jrfm14110529>.
  - 80. Gankhuyag, G, F Ceacero, A Yansanjav, P Hejcmanova, L Davaa, S Namkhaidorj, and BC Bolfikova. 2021. “Long -Term Trends in Livestock and Wildlife Interactions: Do Livestock Numbers Predict Recent Trends of Wolves, Foxes, and Rodents ? Populations in Mongolian Rangelands?” *JOURNAL FOR NATURE CONSERVATION* 60 (April). <https://doi.org/10.1016/j.jnc.2021.125969>.
  - 81. Gelegjamts, D, JY Yoo, J Kim, and JS Kim. 2020. “Undergraduate Nursing Students’ Palliative Care Knowledge and Attitudes towards End-of-Life Care: A Cross-Sectional Descriptive Study.” *CONTEMPORARY NURSE* 56 (5–6): 477–90. <https://doi.org/10.1080/10376178.2021.1890165>.
  - 82. Gompil, B, B Tseveen, and J Almasbek. 2022. “Modeling and Control of Mongolian Forest Utilization: Impact of Illegal Logging.” *NATURAL RESOURCE MODELING* 35 (1). <https://doi.org/10.1111/nrm.12333>.
  - 83. Gunarta, IK, D Yuliana, P Erdenebaatar, Y Kishi, J Boldbaatar, R Suzuki, R Odongoo, G Davaakhuu, H Hohjoh, and K Yoshioka. 2021. “C-Jun NH<sub>2</sub>-Terminal Kinase (JNK)/Stress-Activated Protein Kinase-Associated Protein 1 (JSAP1) Attenuates Curcumin-Induced Cell Death Differently from Its Family Member, JNK-Associated Leucine Zipper Protein (JLP).” *DRUG DISCOVERIES AND THERAPEUTICS* 15 (2): 66–72. <https://doi.org/10.5582/ddt.2021.01021>.
  - 84. Gunchin, G, J Osan, A Migliori, D Shagijamba, and C Streli. 2021. “Chromium and Zinc Speciation in Airborne Particulate Matter Collected in Ulaanbaatar, Mongolia, by X-Ray Absorption Near-Edge Structure Spectroscopy.” *AEROSOL AND AIR QUALITY RESEARCH* 21 (8). <https://doi.org/10.4209/aaqr.210018>.
  - 85. Hamamura, N, N Damdinsuren, N Nakajima, and S Yamamura. 2021. “Draft Genome Sequence of the Anaerobic Arsenite-Oxidizing Halomonas Sp. Strain ANAO-440, Isolated from an

- Alkaline Saline Lake in Khovsgol, Mongolia.” *MICROBIOLOGY RESOURCE ANNOUNCEMENTS* 10 (42). <https://doi.org/10.1128/MRA.00899-21>.
- 86. Hoang, VK, **O Sambuu**, J Nishiyama, and T Obara. 2022. “Feasibility of Sodium-Cooled Breed-and-Burn Reactor with Rotational Fuel Shuffling.” *NUCLEAR SCIENCE AND ENGINEERING* 196 (1): 109–20. <https://doi.org/10.1080/00295639.2021.1951063>.
  - 87. Horne, CM, and **U Davaadorj**. 2021. “Perceptions of Globalisation in Mongolia: Social and Economic Crossroads.” *EUROPE-ASIA STUDIES* 73 (7): 1355–84. <https://doi.org/10.1080/09668136.2021.1928606>.
  - 88. Horoldagva, B, **TA Selenge**, L Buyantogtokh, and S Dorjsembe. 2021. “UPPER BOUNDS FOR THE REDUCED SECOND ZAGREB INDEX OF GRAPHS.” *TRANSACTIONS ON COMBINATORICS* 10 (3): 137–48. <https://doi.org/10.22108/toc.2020.125478.1774>.
  - 89. Hu, HJ, YH Wei, and Y Zhou. n.d. “Product-Harm Crisis Intelligent Warning System Design Based on Fine-Grained Sentiment Analysis of Automobile Complaints.” *COMPLEX & INTELLIGENT SYSTEMS*. <https://doi.org/10.1007/s40747-021-00306-z>.
  - 90. Hyun, JY, P Pandey, KS Kim, A Chon, D Jeong, J Bhak, M Yu, et al. 2021. “Whole Genome Survey of Big Cats (Genus: Panthera) Identifies Novel Microsatellites of Utility in Conservation Genetic Study.” *SCIENTIFIC REPORTS* 11 (1). <https://doi.org/10.1038/s41598-021-92781-0>.
  - 91. **Ichinkhorloo, D**, M Aikawa, **Z Tsoodol**, T Murata, M Sakaguchi, Y Komori, T Yokokita, and H Haba. 2021. “Production Cross Sections of Dysprosium, Terbium and Gadolinium Radioisotopes from the Alpha-Particle-Induced Reactions on Natural Gadolinium up to 50 MeV.” *NUCLEAR INSTRUMENTS & METHODS IN PHYSICS RESEARCH SECTION B-BEAM INTERACTIONS WITH MATERIALS AND ATOMS* 499 (July): 46–52. <https://doi.org/10.1016/j.nimb.2021.04.018>.
  - 92. Ishii, NI, M Takahashi, Y Yoshihara, **N Dashzeveg**, **T Ayush**, Y Suyama, and T Sasaki. 2021a. “Genetic Diversity, Population Size, and Population Stability of Common Plant Species in a Mongolian Grassland.” *JOURNAL OF ARID ENVIRONMENTS* 194 (November). <https://doi.org/10.1016/j.jaridenv.2021.104607>.
  - 93. Ishii, NI, M Takahashi, Y Yoshihara, **N Dashzeveg**, **T Ayush**, Y Suyama, and T Sasaki. 2021b. “Genetic Diversity, Population Size, and Population Stability of Common Plant Species in a Mongolian Grassland (Vol 194, 104607, 2021).” *JOURNAL OF ARID ENVIRONMENTS* 195 (December). <https://doi.org/10.1016/j.jaridenv.2021.104624>.
  - 94. Ivleva, ML, SN Kurilov, and **B Dagtcmaa**. 2021. “Student Assessments of the Higher Education (on the Example of the Monitoring Survey of the MPEI Graduates).” *RUDN JOURNAL OF SOCIOLOGY-VESTNIK ROSSIJSKOGO UNIVERSITETA DRUZHBY NARODOV SERIYA SOTSILOGIYA* 21 (2): 225–38. <https://doi.org/10.22363/2313-2272-2021-21-2-225-238>.
  - 95. **Jadamba, L**. 2021. “Dita Dog with a Monk: Critique of Buddhist Monastics in Ug Genre Works of Agvaanhaidav.” *RELIGIONS* 12 (12). <https://doi.org/10.3390/rel12121104>.
  - 96. Javzandolgor, C, S Baasanmunkh, Z Tsegmed, **B Oyunsetseg**, V Gundegmaa, and HJ Choi. 2021. “Arctium Tomentosum (Asteraceae): A New Report of a Native Genus in the Flora of Mongolia.” *KOREAN JOURNAL OF PLANT TAXONOMY* 51 (4): 391–94. <https://doi.org/10.11110/kjpt.2021.51.4.391>.
  - 97. Jeppesen, E, J Audet, TA Davidson, EM Neif, Y Cao, N Filiz, TL Lauridsen, et al. 2021. “Nutrient Loading, Temperature and Heat Wave Effects on Nutrients, Oxygen and Metabolism in Shallow Lake Mesocosms Pre-Adapted for 11 Years.” *WATER* 13 (2). <https://doi.org/10.3390/w13020127>.
  - 98. Jeppesen, E, LS Johansson, S Tserenpil, M Sondergaard, TL Lauridsen, and P Andersen. 2021. “Do Cross-Latitude and Local Studies Give Similar Predictions of Phytoplankton Responses to Warming? An Analysis of Monitoring Data from 504 Danish Lakes.” *SUSTAINABILITY* 13 (24). <https://doi.org/10.3390/su132414049>.
  - 99. Kalashnikova, OB, AV Kashevskii, NS Vardanyan, **D Erdenechimeg**, GO Zhdanova, IA Topchy, ON Ponamoreva, OF Vyatchina, and DI Stom. 2021. “Acidophilic Chemolithotrophic Microorganisms: Prospects for Use in Biohydrometallurgy and Microbial Fuel Cells.”

- IZVESTIYA VUZOV-PRIKLADNAYA KHIMIYA I BIOTEKHOLOGIYA* 11 (1): 34–52. <https://doi.org/10.21285/2227-2925-2021-11-1-34-52>.
100. Kannemadugu, HBS, **S Dorligjav**, B Gharai, and MVR Seshasai. 2021. “Satellite-Based Air Pollution Potential Climatology over India.” *WATER AIR AND SOIL POLLUTION* 232 (9). <https://doi.org/10.1007/s11270-021-05324-8>.
101. Karpinski, L, D Enkhnasan, **B Boldgiv**, L Kruszelnicki, B Iderzorig, T Gantulga, A Dorjsuren, and WT Szczepanski. 2021. “Longhorned Beetles (Coleoptera: Cerambycidae) of Southeastern Mongolia with Particular Emphasis on the Genus *Anoplistes* Audinet-Serville, 1833 (Cerambycinae: Trachyderini).” *ZOOTAXA* 5081 (4): 451–82. <https://doi.org/10.11646/zootaxa.5081.4.1>.
102. Khan, MM, R Kolenda, P Schierack, J Weinreich, S Rodiger, J Schierack, M Stubbe, **D Lkhagvasuren**, S Guenther, and K Schaufler. 2021. “Investigation of Commensal *Escherichia Coli* Populations of Cormorant Hatchlings in the Absence of Anthropogenic Impacts in Remote Areas of West Mongolia.” *MICROORGANISMS* 9 (2). <https://doi.org/10.3390/microorganisms9020372>.
103. Kim, JH, HL Kim, **B Battushig**, and JY Yoo. 2021. “Relationship between Socio-Demographics, Body Composition, Emotional State, and Social Support on Metabolic Syndrome Risk among Adults in Rural Mongolia.” *PLOS ONE* 16 (9). <https://doi.org/10.1371/journal.pone.0254141>.
104. Klinge, M, **C Dulamsuren**, F Schneider, S Erasmi, U Bayarsaikhan, D Sauer, and M Hauck. 2021. “Geoecological Parameters Indicate Discrepancies between Potential and Actual Forest Area in the Forest-Steppe of Central Mongolia.” *FOREST ECOSYSTEMS* 8 (1). <https://doi.org/10.1186/s40663-021-00333-9>.
105. Klinge, M, F Schneider, **C Dulamsuren**, K Arndt, **U Bayarsaikhan**, and D Sauer. 2021. “Interrelations between Relief, Vegetation, Disturbances, and Permafrost in the Forest-Steppe of Central Mongolia.” *EARTH SURFACE PROCESSES AND LANDFORMS* 46 (9): 1766–82. <https://doi.org/10.1002/esp.5116>.
106. Kong, K, **B Nandintsetseg**, and M Shinoda. 2021. “How Plant Production in the Mongolian Grasslands Is Affected by Wind-Eroded Coarse-Textured Topsoil.” *JOURNAL OF ARID ENVIRONMENTS* 189 (June). <https://doi.org/10.1016/j.jaridenv.2021.104443>.
107. Kong, K, **B Nandintsetseg**, M Shinoda, M Ishizuka, Y Kurosaki, T Bat-Oyun, and B Gantsetseg. 2021. “Seasonal Variations in Threshold Wind Speed for Saltation Depending on Soil Temperature and Vegetation: A Case Study in the Gobi Desert.” *AEOLIAN RESEARCH* 52 (July). <https://doi.org/10.1016/j.aeolia.2021.100716>.
108. Kyprianou, AE, S Palau, and **T Saizmaa**. 2021. “Attraction to and Repulsion from a Subset of the Unit Sphere for Isotropic Stable Levy Processes.” *STOCHASTIC PROCESSES AND THEIR APPLICATIONS* 137 (July): 272–93. <https://doi.org/10.1016/j.spa.2021.04.004>.
109. Lacerot, G, S Kosten, R Mendonca, E Jeppesen, JL Attayde, N Mazzeo, F Teixeira-de-Mello, et al. 2022. “Large Fish Forage Lower in the Food Web and Food Webs Are More Truncated in Warmer Climates.” *HYDROBIOLOGIA* 849 (17–18): 3877–88. <https://doi.org/10.1007/s10750-021-04777-6>.
110. Liang, XY, PF Li, JL Wang, FKS Chan, C Togtokh, **A Ochir, and D Davaasuren**. 2021. “Research Progress of Desertification and Its Prevention in Mongolia.” *SUSTAINABILITY* 13 (12). <https://doi.org/10.3390/su13126861>.
111. Librado, P, N Khan, A Fages, MA Kusliy, T Suchan, L Tonasso-Calviere, S Schiavinato, et al. 2021. “The Origins and Spread of Domestic Horses from the Western Eurasian Steppes.” *NATURE* 598 (7882): 634–+. <https://doi.org/10.1038/s41586-021-04018-9>.
112. Litvinov, YN, SA Abramov, NV Lopatina, **S Shar**, and IV Moroldoev. 2021. “Comparative Analysis of Small Mammal Communities in the Altitudinal Zones of the Southern Slope of the Munku-Sardyk Ridge (Mongolia).” *CONTEMPORARY PROBLEMS OF ECOLOGY* 14 (2): 149–57. <https://doi.org/10.1134/S1995425521020086>.
113. **Lkhagva, A**, and HC Tai. 2021. “Dimethylcysteine (DiCys)/o-Phthalaldehyde Derivatization for

- Chiral Metabolite Analyses: Cross-Comparison of Six Chiral Thiols.” *MOLECULES* 26 (24). <https://doi.org/10.3390/molecules26247416>.
114. Luvsandavaajav, O, and **G Narantuya**. 2021. “Understanding of Travel Motivations of Domestic Tourists.” *JOURNAL OF TOURISM AND SERVICES* 12 (22): 1–22. <https://doi.org/10.29036/jots.v12i22.253>.
115. Maasri, A, M Pyron, ER Arsenault, JH Thorp, **B Mendsaikhan**, F Tromboni, M Minder, et al. 2021. “Valley-Scale Hydrogeomorphology Drives River Fish Assemblage Variation in Mongolia.” *ECOLOGY AND EVOLUTION* 11 (11): 6527–35. <https://doi.org/10.1002/ece3.7505>.
116. Meurs, M, **A Amartuvshin**, **O Banzragch**, **M Boldbaatar**, and G Poyatzis. 2022. “Women Herders: Women’s Role and Bargaining Power in Mongolian Herding Households.” *CENTRAL ASIAN SURVEY* 41 (1): 79–99. <https://doi.org/10.1080/02634937.2021.1968345>.
117. Min, C, LS Johansson, M Sondergaard, TL Lauridsen, FZ Chen, T Sh, and E Jeppesen. 2021. “Copepods as Environmental Indicator in Lakes: Special Focus on Changes in the Proportion of Calanoids along Nutrient and PH Gradients.” *AQUATIC ECOLOGY* 55 (4): 1241–52. <https://doi.org/10.1007/s10452-021-09877-y>.
118. **Munkhbaatar, P**, and K Myung-Whun. 2021. “Origin of the Mid-Infrared Peaks in the Optical Conductivity of LaMnO<sub>3</sub>.” *SOLID STATE COMMUNICATIONS* 334 (August). <https://doi.org/10.1016/j.ssc.2021.114381>.
119. Munkhdalai, L, KH Ryu, **OE Namsrai**, and N Theera-Umpon. 2021. “A Partially Interpretable Adaptive Softmax Regression for Credit Scoring.” *APPLIED SCIENCES-BASEL* 11 (7). <https://doi.org/10.3390/app11073227>.
120. Munkhzul, O, K Oyundelger, N Narantuya, I Tuvshintogtokh, **B Oyunsetseg**, K Wesche, and Y Jaschke. 2021. “Grazing Effects on Mongolian Steppe Vegetation-A Systematic Review of Local Literature.” *FRONTIERS IN ECOLOGY AND EVOLUTION* 9 (October). <https://doi.org/10.3389/fevo.2021.703220>.
121. Murata, T, and **J Batkhuu**. 2021. “Biological Activity Evaluations of Chemical Constituents Derived from Mongolian Medicinal Forage Plants and Their Applications in Combating Infectious Diseases and Addressing Health Problems in Humans and Livestock.” *JOURNAL OF NATURAL MEDICINES* 75 (4): 729–40. <https://doi.org/10.1007/s11418-021-01529-7>.
122. Myo, T, **M Odsuren**, and K Kato. 2021. “Five-Body Resonances in He-8 and C-8 Using the Complex Scaling Method.” *PHYSICAL REVIEW C* 104 (4). <https://doi.org/10.1103/PhysRevC.104.044306>.
123. Nandintsetseg, B, **B Boldgiv**, JF Chang, P Ciais, E Davaanyam, A Batbold, T Bat-Oyun, and NC Stenseth. 2021. “Risk and Vulnerability of Mongolian Grasslands under Climate Change.” *ENVIRONMENTAL RESEARCH LETTERS* 16 (3). <https://doi.org/10.1088/1748-9326/abdb5b>.
124. Nasanbat, B, F Ceacero, and **S Ravchig**. 2021. “A Small Neighborhood Well-Organized: Seasonal and Daily Activity Patterns of the Community of Large and Mid-Sized Mammals around Waterholes in the Gobi Desert, Mongolia.” *FRONTIERS IN ZOOLOGY* 18 (1). <https://doi.org/10.1186/s12983-021-00412-1>.
125. Natsagdorj, E, **T Renchin**, P De Maeyer, and B Darkhijav. 2021. “Spatial Distribution of Soil Moisture in Mongolia Using SMAP and MODIS Satellite Data: A Time Series Model (2010-2025).” *REMOTE SENSING* 13 (3). <https://doi.org/10.3390/rs13030347>.
126. Nyamaa, O, JH Bae, DH Seo, HM Jeong, SC Huh, JH Yang, **E Dolgor**, and JP Noh. 2021. “Electrochemical Performance of Si Thin-Film with Buckypaper for Flexible Lithium-Ion Batteries.” *DIAMOND AND RELATED MATERIALS* 115 (May). <https://doi.org/10.1016/j.diamond.2021.108351>.
127. Nyamaa, O, DH Seo, JS Lee, HM Jeong, SC Huh, JH Yang, **E Dolgor**, and JP Noh. 2021. “High Electrochemical Performance Silicon Thin-Film Free-Standing Electrodes Based on Buckypaper for Flexible Lithium-Ion Batteries.” *MATERIALS* 14 (8). <https://doi.org/10.3390/ma14082053>.
128. **Nyam-Osor, B**, SO Byambadorj, BB Park, M Terzaghi, GS Scippa, JA Stanturf, D Chiatante, and A Montagnoli. 2021. “Root Biomass Distribution of *Populus Sibirica* and *Ulmus Pumila*

- Afforestation Stands Is Affected by Watering Regimes and Fertilization in the Mongolian Semi-Arid Steppe.” *FRONTIERS IN PLANT SCIENCE* 12 (April). <https://doi.org/10.3389/fpls.2021.638828>.
129. Nyamsambuu, A, A Ahmed, FY Khusbu, S Oidovsambuu, MA Khan, X Zhou, JJ Fu, and HC Chen. 2021. “Anti-Oxidant and Antiproliferative Activities of Mongolian Medicinal Plant Extracts and Structure Isolation of Gnetin - H Compound.” *MEDICINAL CHEMISTRY* 17 (9): 963–73. <https://doi.org/10.2174/1573406416666201106110117>.
130. Nyamsanjaa, K, B Oyuntsetseg, Y Takashima, N Sakagami, and M Watanabe. 2022. “Characteristics of Cenococcum Geophilum Sclerotia Found in Steppe Forest Soil in Mongolia.” *JOURNAL OF FOREST RESEARCH* 27 (1): 76–82. <https://doi.org/10.1080/13416979.2021.2008618>.
131. Nyamsanjaa, K, M Watanabe, N Sakagami, and B Oyuntsetseg. 2021. “Metal Accumulation in Sclerotium Grains Collected from Low PH Forest Soils.” *JOURNAL OF ENVIRONMENTAL SCIENCE AND HEALTH PART A-TOXIC/HAZARDOUS SUBSTANCES & ENVIRONMENTAL ENGINEERING* 56 (3): 303–9. <https://doi.org/10.1080/10934529.2021.1872316>.
132. Odonbayar, B, B Tuvshintulga, N Yokoyama, D Badral, B Buyankhishig, J Batkhuu, K Suganuma, I Igarashi, K Sasaki, and T Murata. 2021. “Anti-Piroplasma Activity of 2-Methylbutane Galloyl Glycosides from Saxifraga Spinulosa.” *PHYTOCHEMISTRY LETTERS* 43 (June): 135–39. <https://doi.org/10.1016/j.phytol.2021.03.021>.
133. Odsuren, M, G Khuukhenkhuu, S Davaa, and K Kato. 2021. “Structure of Resonance States in the Simple Schematic Model.” *INTERNATIONAL JOURNAL OF MATHEMATICS AND PHYSICS* 12 (1): 48–51. <https://doi.org/10.26577/ijmpf.2021.v12.i1.07>.
134. Odsuren, M, G Khuukhenkhuu, AT Sarsembayeva, N Amangeldi, and K Kato. 2022. “Analysis of Continuum Level Density for Virtual and Resonance States.” *INDIAN JOURNAL OF PHYSICS* 96 (2): 543–47. <https://doi.org/10.1007/s12648-020-01994-y>.
135. Odsuren, M, T Myo, Y Kikuchi, M Teshigawara, and K Kato. 2021. “Decomposition of Scattering Phase Shifts of Coupled-Channels Systems in the Complex Scaling Method.” *PHYSICAL REVIEW C* 104 (1). <https://doi.org/10.1103/PhysRevC.104.014325>.
136. Orkhonselenge, A, and O Bulgan. 2021. “Geochemical Studies and Lacustrine Geomorphology of Lake Yakhi Basin in Eastern Mongolia.” *GEOMORPHOLOGIE-RELIEF PROCESSUS ENVIRONNEMENT* 27 (3): 231–42. <https://doi.org/10.4000/geomorphologie.15873>.
137. Orkhonselenge, A, M Uuganzaya, T Davaagatan, and G Enkhbayar. 2021. “Late Holocene Peatland Evolution in Terelj and Tuul Rivers Drainage Basins in the Khentii Mountain Range of Northeastern Mongolia.” *WATER* 13 (4). <https://doi.org/10.3390/w13040562>.
138. Otgochuluu, C, L Altangerel, G Battur, C Khashchuluun, and G Dorjsundui. 2021. “A Game Theory Application in the Copper Market.” *RESOURCES POLICY* 70 (March). <https://doi.org/10.1016/j.resourpol.2020.101931>.
139. Otgonbayar, M, C Atzberger, E Sumiya, S Dalantai, and J Chambers. 2022. “Estimation of Bioclimatic Variables of Mongolia Derived from Remote Sensing Data.” *FRONTIERS OF EARTH SCIENCE* 16 (2): 323–39. <https://doi.org/10.1007/s11707-020-0862-9>.
140. Oyunbileg, N, Y Iizaka, M Hamada, BO Davaapurev, A Fukumoto, B Tsetseg, F Kato, T Tamura, J Batkhuu, and Y Anzai. 2021. “Actinocatenispora Comari Sp. Nov., an Endophytic Actinomycete Isolated from Aerial Parts of Comarum Salesowianum.” *INTERNATIONAL JOURNAL OF SYSTEMATIC AND EVOLUTIONARY MICROBIOLOGY* 71 (7). <https://doi.org/10.1099/ijsem.0.004861>.
141. Oyundelger, K, D Harpke, V Herklotz, E Troeva, ZZ Zheng, Z Li, B Oyuntsetseg, V Wagner, K Wesche, and CM Ritz. 2022. “Phylogeography of Artemisia Frigida (Anthemideae, Asteraceae) Based on Genotyping-by-Sequencing and Plastid DNA Data: Migration through Beringia.” *JOURNAL OF EVOLUTIONARY BIOLOGY* 35 (1): 64–80. <https://doi.org/10.1111/jeb.13960>.
142. Oyundelger, K, V Herklotz, D Harpke, B Oyuntsetseg, K Wesche, and CM Ritz. 2021. “Contrasting Effects of Local Environment and Grazing Pressure on the Genetic Diversity and

- Structure of *Artemisia Frigida*.” *CONSERVATION GENETICS* 22 (6): 947–62. <https://doi.org/10.1007/s10592-021-01375-w>.
143. Packert, M, J Hering, AA Belkacem, YH Sun, S Hille, **D Lkhagvasuren**, S Islam, and J Martens. 2021. “A Revised Multilocus Phylogeny of Old World Sparrows (Aves: Passeridae).” *VERTEBRATE ZOOLOGY* 71 (May): 353–66. <https://doi.org/10.3897/vz.71.e65952>.
144. Park, BB, SH Han, JO Hernandez, JY An, **B Nyam-Osor**, MH Jung, PSH Lee, and SI Lee. 2021. “The Use of Deep Container and Heterogeneous Substrate as Potentially Effective Nursery Practice to Produce Good Quality Nodal Seedlings of *Populus Sibirica* Tausch.” *FORESTS* 12 (4). <https://doi.org/10.3390/f12040418>.
145. **Pfeiffer, M**, G Kustner, E Erdenesukh, W von Tumpling, and J Hofmann. 2021. “Investigation of Environmental and Land Use Impacts in Forested Permafrost Headwaters of the Selenga-Baikal River System, Mongolia - Effects on Discharge, Water Quality and Macroinvertebrate Diversity.” *INTERNATIONAL SOIL AND WATER CONSERVATION RESEARCH* 9 (4): 605–19. <https://doi.org/10.1016/j.iswcr.2021.06.002>.
146. Poteryaeva, VA, AM Bubenchikov, MA Bubenchikov, AV Lun-Fu, and **S Jambaa**. 2021. “Helium Isotope Separation by Bi-Layer Membranes of g-C<sub>3</sub>N<sub>4</sub>.” *ADVANCES IN NATURAL SCIENCES-NANOSCIENCE AND NANOTECHNOLOGY* 12 (4). <https://doi.org/10.1088/2043-6262/ac4108>.
147. **Rentsen, E, and B Gompil**. 2021. “GENERALIZED NASH EQUILIBRIUM PROBLEM BASED ON MALFATTI’S PROBLEM.” *NUMERICAL ALGEBRA CONTROL AND OPTIMIZATION* 11 (2): 209–20. <https://doi.org/10.3934/naco.2020022>.
148. **Rentsen, E, N Tungalag**, J Enkhbayar, O Battogtokh, and L Enkhtuvshin. 2021. “APPLICATION OF SURVIVAL THEORY IN MINING INDUSTRY.” *NUMERICAL ALGEBRA CONTROL AND OPTIMIZATION* 11 (3): 443–48. <https://doi.org/10.3934/naco.2020036>.
149. Sabrin, MS, E Selenge, Y Takeda, **J Batkhuu**, H Ogawa, D Jamsransuren, K Suganuma, and T Murata. 2021. “Isolation and Evaluation of Virucidal Activities of Flavanone Glycosides and Rosmarinic Acid Derivatives from *Dracocephalum* Spp. against Feline Calicivirus.” *PHYTOCHEMISTRY* 191 (November). <https://doi.org/10.1016/j.phytochem.2021.112896>.
150. Sakamoto, K, M Tomonari, U Ariya, E Nakagiri, TK Matsumoto, Y Akaji, T Otoda, M Hirobe, and B Nachin. 2021. “Effects of Large-Scale Forest Fire Followed by Illegal Logging on the Regeneration of Boreal Forests in Mongolia.” *LANDSCAPE AND ECOLOGICAL ENGINEERING* 17 (3): 267–79. <https://doi.org/10.1007/s11355-021-00457-8>.
151. Sambuu, O, VK Hoang, J Nishiyama, and T Obara. 2022. “Neutron Balance Features in Breed-and-Burn Fast Reactors.” *NUCLEAR SCIENCE AND ENGINEERING* 196 (3): 322–41. <https://doi.org/10.1080/00295639.2021.1980361>.
152. **Sansarbayar, E, YM Gledenov, I Chuprakov, G Khuukhenkhuu, GS Ahmadov, L Krupa, GH Zhang, et al.** 2021. “Cross Sections for the Cl-35(n, Alpha) P-32 Reaction in the 3.3-5.3 MeV Neutron Energy Region.” *PHYSICAL REVIEW C* 104 (4). <https://doi.org/10.1103/PhysRevC.104.044620>.
153. Sattler, DN, **B Bishkhorloo**, and JM Graham. 2021. “Climate Change Threatens Nomadic Herding in Mongolia: A Model of Climate Change Risk Perception and Behavioral Adaptation.” *JOURNAL OF ENVIRONMENTAL PSYCHOLOGY* 75 (June). <https://doi.org/10.1016/j.jenvp.2021.101620>.
154. Sattler, DN, DH Gruman, O Enkhtur, B Muskavage, and **B Bishkhorloo**. 2022a. “School Climate in Mongolia: Translation and Validation of the What’s Happening in This School.” *LEARNING ENVIRONMENTS RESEARCH* 25 (2): 325–40. <https://doi.org/10.1007/s10984-021-09375-w>.
155. Sattler, DN, DH Gruman, O Enkhtur, B Muskavage, and **B Bishkhorloo**. 2022b. “School Climate in Mongolia: Translation and Validation of the What’s Happening in This School (Sep, 10.1007/S10984-021-09375-w, 2021).” *LEARNING ENVIRONMENTS RESEARCH* 25 (2): 341–341. <https://doi.org/10.1007/s10984-021-09387-6>.

156. Schield, DR, ESC Scordato, CCR Smith, JK Carter, SI Cherkaoi, **S Gombobaatar**, S Hajib, et al. 2021. "Sex-Linked Genetic Diversity and Differentiation in a Globally Distributed Avian Species Complex." *MOLECULAR ECOLOGY* 30 (10): 2313–32. <https://doi.org/10.1111/mec.15885>.
157. Seibold, S, W Rammer, T Hothorn, R Seidl, MD Ulyshen, J Lorz, MW Cadotte, et al. 2021. "The Contribution of Insects to Global Forest Deadwood Decomposition." *NATURE* 597 (7874): 77–+. <https://doi.org/10.1038/s41586-021-03740-8>.
158. Seidl, A, K Tremetsberger, S Pfanzelt, FR Blattner, B Neuffer, N Friesen, H Hurka, et al. 2021. "The Phylogeographic History of Krascheninnikovia Reflects the Development of Dry Steppes and Semi-Deserts in Eurasia." *SCIENTIFIC REPORTS* 11 (1). <https://doi.org/10.1038/s41598-021-85735-z>.
159. Shields, R, M Pyron, ER Arsenault, JH Thorp, M Minder, C Artz, J Costello, et al. 2021. "Geomorphology Variables Predict Fish Assemblages for Forested and Endorheic Rivers of Two Continents." *ECOLOGY AND EVOLUTION* 11 (23): 16745–62. <https://doi.org/10.1002/ece3.8300>.
160. Shimizu, K, **B Mijiddorj**, M Usami, I Mizoguchi, S Yoshida, S Akayama, Y Hamada, et al. 2022. "De Novo Design of a Nanopore for Single-Molecule Detection That Incorporates a Beta-Hairpin Peptide." *NATURE NANOTECHNOLOGY* 17 (1): 67–+. <https://doi.org/10.1038/s41565-021-01008-w>.
161. Silonov, VM, and **L Enkhtor**. 2021. "Short-Range Order and Size Effect in Ni-11 at % Cr Alloy." *MOSCOW UNIVERSITY PHYSICS BULLETIN* 76 (4): 221–25. <https://doi.org/10.3103/S0027134921040093>.
162. **Soyol-Erdene**, TO, G Ganbat, and B Baldorj. 2021. "Urban Air Quality Studies in Mongolia: Pollution Characteristics and Future Research Needs." *AEROSOL AND AIR QUALITY RESEARCH* 21 (12). <https://doi.org/10.4209/aaqr.210163>.
163. Sturm, MB, S Smith, **O Ganbaatar**, B Buuveibaatar, B Balint, JC Payne, CC Voigt, and P Kaczensky. 2021. "Isotope Analysis Combined with DNA Barcoding Provide New Insights into the Dietary Niche of Khulan in the Mongolian Gobi." *PLOS ONE* 16 (3). <https://doi.org/10.1371/journal.pone.0248294>.
164. **Sukhragchaa, A, B Munkhuu, and L Badarch**. 2021. "IMPACT OF HOTEL EMPLOYEE'S EMOTIONAL INTELLIGENCE ON EMOTIONAL LABOR AND JOB SATISFACTION." *JURNAL ILMIAH PEURADEUN* 9 (3): 743–64. <https://doi.org/10.26811/peuradeun.v9i3.622>.
165. Sundui, B, OAR Calderon, OM Abdeldayem, J Lazaro-Gil, ER Rene, and **U Sambuu**. 2021. "Applications of Machine Learning Algorithms for Biological Wastewater Treatment: Updates and Perspectives." *CLEAN TECHNOLOGIES AND ENVIRONMENTAL POLICY* 23 (1): 127–43. <https://doi.org/10.1007/s10098-020-01993-x>.
166. **Suuri, B**, O Baatargal, B Badamgorj, and RP Reading. 2021. "Assessing Wildlife Biodiversity Using Camera Trap Data on the Mongolian Marmot (*Marmota Sibirica*) Colonies." *JOURNAL OF ARID ENVIRONMENTS* 188 (May). <https://doi.org/10.1016/j.jaridenv.2020.104409>.
167. Suzuki, Y, T Nakata, M Watanabe, **S Battulga**, D Enkhtaivan, S Demberel, C Odonbaatar, A Bayasgalan, and T Badral. 2021. "Discovery of Ulaanbaatar Fault: A New Earthquake Threat to the Capital of Mongolia." *SEISMOLOGICAL RESEARCH LETTERS* 92 (1): 437–47. <https://doi.org/10.1785/0220200109>.
168. Tang, QD, R Burri, Y Liu, A Suh, **G Sundev**, G Heckel, and M Schweizer. 2022. "Seasonal Migration Patterns and the Maintenance of Evolutionary Diversity in a Cryptic Bird Radiation." *MOLECULAR ECOLOGY* 31 (2): 632–45. <https://doi.org/10.1111/mec.16241>.
169. **Terbish, J**, and WFG van Rooijen. 2021. "Design and Neutronic Analysis of the Intermediate Heat Exchanger of a Fast-Spectrum Molten Salt Reactor." *NUCLEAR ENGINEERING AND TECHNOLOGY* 53 (7): 2126–32. <https://doi.org/10.1016/j.net.2021.01.021>.
170. Trofimova, SM, VL Boktaeva, DN Ovraeva, BD Balzhinimaeva, and **B Tugshintogs**. 2021. "COMPARATIVE RESEARCH INTO THE LANDSCAPE VOCABULARY IN THE

MONGOLIAN LANGUAGES FROM THE PERSPECTIVE OF LANGUAGE CONTACTS.”  
*REVISTA ENTRELINGUAS* 7.

171. Tserengombo, B, H Jeong, **E Dolgor**, A Delgado, and S Kim. 2021. “Effects of Functionalization in Different Conditions and Ball Milling on the Dispersion and Thermal and Electrical Conductivity of MWCNTs in Aqueous Solution.” *NANOMATERIALS* 11 (5). <https://doi.org/10.3390/nano11051323>.
172. **Tsermaa, B**, JS Kim, and K Myung-Whun. 2021. “Scalar Wave Scattering by a Circular Cylinder on a Planar Substrate: A Numerical Simulation.” *JOURNAL OF THE KOREAN PHYSICAL SOCIETY* 78 (2): 130–34. <https://doi.org/10.1007/s40042-020-00003-z>.
173. Tsetsgee, S, A Okuyama, **A Ochir, A Yunden, E Odgerel**, T Batbold, EU Munkhsukd, et al. 2021. “Mo Contamination in Rivers near the Erdenet Mining Area, Mongolia: Field Evidence of High Mobility of Mo at PH > 8.” *ACS ES&T WATER* 1 (8): 1686–94. <https://doi.org/10.1021/acsestwater.1c00046>.
174. Tsoodol, Z, M Aikawa, D Ichinkhorloo, **T Khishigjargal, E Norov**, Y Komori, H Haba, S Takacs, F Ditroi, and Z SzUcs. 2021. “Production Cross Sections of Ti-45 in the Deuteron-Induced Reaction on Sc-45 up to 24 MeV.” *APPLIED RADIATION AND ISOTOPES* 168 (February). <https://doi.org/10.1016/j.apradiso.2020.109448>.
175. Udval, B, **S Gerelbaatar**, T Dashzeveg, and AI Lobanov. 2021. “SEED QUALITY OF Larix Sibirica Ledeb. DEPENDING ON THE DISTANCE BETWEEN FOREST AREAS AND POLLUTION SOURCES AROUND ULAANBAATAR CITY OF MONGOLIA.” *LESNOY ZHURNAL-FORESTRY JOURNAL*, no. 4: 23–35. <https://doi.org/10.37482/0536-1036-2021-4-23-35>.
176. Ulemj, B, **E Rentsen**, and B Tsendpurev. 2021. “APPLICATION OF SURVIVAL THEORY IN TAXATION.” *JOURNAL OF INDUSTRIAL AND MANAGEMENT OPTIMIZATION* 17 (5): 2573–78. <https://doi.org/10.3934/jimo.2020083>.
177. Unc, A, D Altdorff, E Abakumov, S Adl, S Baldursson, M Bechtold, DJ Cattani, et al. 2021. “Expansion of Agriculture in Northern Cold-Climate Regions: A Cross-Sectoral Perspective on Opportunities and Challenges.” *FRONTIERS IN SUSTAINABLE FOOD SYSTEMS* 5 (July). <https://doi.org/10.3389/fsufs.2021.663448>.
178. **Unursaikhan, B**, N Tanaka, GH Sun, S Watanabe, M Yoshii, K Funahashi, F Sekimoto, et al. 2021. “Development of a Novel Web Camera-Based Contact-Free Major Depressive Disorder Screening System Using Autonomic Nervous Responses Induced by a Mental Task and Its Clinical Application.” *FRONTIERS IN PHYSIOLOGY* 12 (May). <https://doi.org/10.3389/fphys.2021.642986>.
179. **Urnuksaikhan, E**, BE Bold, A Gunbileg, N Sukhbaatar, and **T Mishig-Ochir**. 2021. “Antibacterial Activity and Characteristics of Silver Nanoparticles Biosynthesized from *Carduus Crispus*.” *SCIENTIFIC REPORTS* 11 (1). <https://doi.org/10.1038/s41598-021-00520-2>.
180. Volovnik, SV, **B Boldgiv**, B Iderzorig, LTS Khobrakova, SV Kolov, SG Rudykh, IA Zabaluev, and VV Grebennikov. 2021. “The First Molecular Phylogeny of the Weevil Subfamily Lixinae (Coleoptera: Curculionidae) Casts Doubts on the Monophyly of Its Tribes.” *ZOOTAXA* 5026 (2): 201–20. <https://doi.org/10.11646/zootaxa.5026.2.3>.
181. Voronov, AP, VS Zadorozhnii, IM Prytula, II Tavrovskyi, IS Terzin, **R Galbadrakh, and L Enkhtor**. 2021. “Study of Temperature Conditions of Organic DAST Single Crystals Growth from Solution.” *FUNCTIONAL MATERIALS* 28 (3): 556–63. <https://doi.org/10.15407/fm28.03.556>.
182. Wang, CC, HY Yeh, AN Popov, HQ Zhang, H Matsumura, K Sirak, O Cheronet, et al. 2021. “Genomic Insights into the Formation of Human Populations in East Asia.” *NATURE* 591 (7850): 413+. <https://doi.org/10.1038/s41586-021-03336-2>.
183. Wang, L, J Liu, M Filipiak, **K Mungunkhuyag**, P Jedynak, J Burczyk, PC Fu, and P Malec. 2021. “Fast and Efficient Cadmium Biosorption by Chlorella Vulgaris K-01 Strain: The Role of Cell Walls in Metal Sequestration.” *ALGAL RESEARCH-BIOMASS BIOFUELS AND*

- BIOPRODUCTS* 60 (December). <https://doi.org/10.1016/j.algal.2021.102497>.
184. Yoda, M, Y Sekine, K Fukushi, T Kitajima, B Gankhurel, **D Davaasuren, T Gerelmaa**, et al. 2021. “Field Investigations of Chemical Partitioning and Aqueous Chemistry of Freezing Closed-Basin Lakes in Mongolia as Analogs of Subsurface Brines on Icy Bodies.” *JOURNAL OF GEOPHYSICAL RESEARCH-PLANETS* 126 (11). <https://doi.org/10.1029/2021JE006972>.
185. Yong, M, M Shinoda, **B Nandintsetseg**, LG Bi, HL Gao, and YS Wang. 2021. “Impacts of Land Surface Conditions and Land Use on Dust Events in the Inner Mongolian Grasslands, China.” *FRONTIERS IN ECOLOGY AND EVOLUTION* 9 (August). <https://doi.org/10.3389/fevo.2021.664900>.
186. **Zanabazar, A**, and S Jigjiddorj. 2021. “THE MEDIATING EFFECT OF EMPLOYEE LOYALTY ON THE RELATIONSHIP BETWEEN JOB SATISFACTION AND ORGANIZATIONAL PERFORMANCE.” *JURNAL ILMIAH PEURADEUN* 9 (2): 467–81. <https://doi.org/10.26811/peuradeun.v9i2.530>.
187. Zhang, B, MY Guo, ZS Sun, **E Byambajav**, Y Zhou, JW Guo, PF Zhao, ZX Zhang, X Wang, and GH Yan. 2021. “Apparent Viscosity of Binary Particle System in Gas-Solid Separation Fluidized Bed.” *POWDER TECHNOLOGY* 387 (July): 348–53. <https://doi.org/10.1016/j.powtec.2021.04.036>.
188. Zhang, JK, N Gerile, **J Davaasambuu**, A Bolag, E Hua, and Y Zhang. 2021. “Synthesis and Optical Performance of Terbium Complexes with Octanoyl Amino Acids.” *ARABIAN JOURNAL OF CHEMISTRY* 14 (4). <https://doi.org/10.1016/j.arabjc.2021.103033>.
189. Zhou, EH, YD Shan, LH Li, FS Shen, **E Byambajav**, B Zhang, and CX Shi. 2021. “Study on the Fluidization Quality Characterization Method and Process Intensification of Fine Coal Separation in a Vibrated Dense Medium Fluidized Bed.” *ACS OMEGA* 6 (22): 14268–77. <https://doi.org/10.1021/acsomega.1c01034>.