

List of selected research articles in the International Journals (2016-2020)

No	Title	Authors	Journal	Publishing year	Volume	No	Page
I. Division of Physical Geography							
1	Land suitability evaluation for agricultural cropland in Mongolia using the spatial MCDM method and AHP based GIS	Munkhdulam, O. , Clement, A., Jonathan, Ch., Amarsaikhan, D. , Sebastian, B., and Jargaltulga, Ts	Journal of Geoscience and Environment Protection	2017	5	9	238-263
2	The analysis of the dynamics of landscapes and issues of management development of special protected areas of Mongolia (The Case of "Mongol Daguur" reserve)	Oyunchimeg, N., Oyungerel, B., Munkhdulam, O. , and Sanzheev, E.D.	Earth Sciences: Advances in current natural sciences	2017		4	103-108
3	Assessment of landscape-ecological potential of Khovd province, Mongolia using satellite imagery and the spatial multi-criteria decision-making method	Munkhdulam, O. , Avirmed, E. , Chambers, J., and Renchinmyadag, T.	Global Scientific Journals	2018	6	10	2320-9186
4	Mapping pasture biomass in Mongolia using Partial Least Squares, Random Forest regression and Landsat 8 imagery	Munkhdulam, O. , Clement, A., Jonathan, Ch., and Amarsaikhan, D.	International Journal of Remote Sensing	2019	40	8	3204-3226
5	Estimation of Climatologies of Average Monthly Air Temperature over Mongolia Using MODIS Land Surface Temperature (LST) Time Series and Machine Learning Techniques	Munkhdulam, O. , Clement, A., Matteo, M., and Avirmed, E	Remote Sensing	2019	11	21	2588-2602
6	International experience of ecotourism development: country specifics and general approaches	Oyungerel, B	Bulletin of the Moscow State Regional University	2019		2	54-66
II. Division of Forest Resources and Protection							
7	The impact of climate change on boreal and tropical forests in East Asia	Gomboev B. O., Puntsukova S. D., Andreev, A. B., Vasil'eva L. S., Tsogtbaatar J. , Tsendsuren D. , Dong Suocheng, Li Fei.	Scientific Review	2016		5	50-54
8	Climate-growth relationships and pointer year analysis of a Siberian larch (<i>Larix sibirica</i> Ledeb.) chronology from the Mongolian mountain forest steppe compared to white birch (<i>Betula platyphylla</i> Sukaczew)	Alexander Gradel, Batsaikhan Ganbaatar , Ochirragchaa Nadaldorj, Batdorj Dovdondemberel , Antonin Kusbach.	Forest Ecosystems	2017	4	22	1-12

9	On the Effect of Thinning on Tree Growth and Stand Structure of White Birch (<i>Betula platyphylla</i> Sukaczew) and Siberian Larch (<i>Larix sibirica</i> Ledeb.) in Mongolia	Alexander Gradel, Christian Ammer, Batsaikhan Ganbaatar , Ochirragchaa Nadaldorj, Batdorj Dovdondemberel, and Sven Wagner	Forests	2017	8	105	1-23
10	Response of white birch (<i>Betula platyphylla</i> Sukaczew) to temperature and precipitation in the mountain forest steppe and taiga of northern Mongolia	Alexander Gradel, Christina Hänsch, Batsaikhan Ganbaatar , Batdorj Dovdondemberel , Ochirragchaa Nadaldorje, Björn Günther	Dendrochronologia	2017	41		24-33
11	Higher climate warming sensitivity of Siberian larch in small than large forest islands in the fragmented Mongolian forest steppe	Khansaritoreh, Elmira; Dulamsuren, Choima; Klinge, Michael; urbaatar; Bat-Enerel, Banzragch; Batsaikhan, Ganbaatar ; Khenlenchimeg; Sain-Dondov, Davaadorj; Yeruult, Yolk; Tsogtbaatar, Jamsran ; Tuya, Daramragchaa; Leuschner, C; Hauck, Markus	Global Change Biology Bioenergy	2017	23	9	3675-3689
12	Which Selective Logging Intensity is most suitable for the maintenance of soil properties and the promotion of natural regeneration in highly continental Scots pine forests? – Results 19 Years after Harvest Operations in Mongolia	Gerelbaatar S, Baatarbileg N, Battulga P, Batsaikhan G , Khishigjargal M, Batchuluun Ts and Alexander Gradel	Forests	2019	10	141	1-22
13	Comparative Analysis of Carbon Budget in Forests of the Selenga River Transboundary Basin	Puntsukova S. D., Tsendsuren D	Geography and Natural Resources	2019		2	77-84
14	Seed and cone morphological variation and seed germination characteristics of Scotch pine populations (<i>Pinus sylvestris</i> L.) in Mongolia	Batkhuu N., Udval B. , Bat-Erdene J., Jamiyansuren S., Fischer M.	Mongolian Journal of Biological Sciences	2020	18	2	41-54
15	Population demographic characteristics of <i>Haloxylon ammodendron</i> (C.A. Mey.) Bunge ex Fenzl in Gobi Desert of Mongolia	Enkhchimeg Ts. , Batkhuu N.	Mongolian Journal of Biological Sciences	2020	18	2	29-40

16	Assessment of early survival and growth of planted Scots pine (<i>Pinus sylvestris</i>) seedlings under extreme continental climate conditions of northern Mongolia	Gerelbaatar S, Batsaikhan G , Tsogtbaatar J , Battulga P , Baatarbileg N, Alexander G	Journal of Forest Resources	2020	31	1	13-26
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III. Division of Permafrost Study

17	Thermokarst Lake Changes in the Southern Fringe of Siberian Permafrost Region in Mongolia Using Corona, Landsat, and ALOS Satellite Imagery from 1962 to 2007	Saruulzaya. A , M. Ishikawa, Ya. Jambaljav	Journal of Advances in Remote Sensing	2016	5	4	215-231
18	Traditional Livelihoods and Mining in Mongolia's Changing Climate: Exploring the Potential of Cross-sectoral Partnerships in Achieving Sustainability	Sharma. V, D. Byambajav, E. Gerelt-Od, N. Myagmartsooj, A. Saruulzaya	APN Science Bulletin	2016	6		8-12
19	Glacier recession in the Altai Mountains of Mongolia in 1990-2016	C.G. Pan, A. Pope, U. Kamp, A. Dashtseren , W. Michael , S. Margarita.	Geografiska Annaler: Series A, Physical Geography	2017	100	2	185-203
20	Glaciers, Permafrost and Lake Levels at the Tsengel Khairkhan Massif, Mongolian Altai, During the Late Pleistocene and Holocene	Michael. W.A. Dashtseren , U. Kamp, Kh. Temujin , F. Meixner, C.G. Pan, Ya. Gansukh .	Geosciences	2017	7	73	1-20
21	Thermal states, responsiveness, and degradation of marginal in Mongolia	Ishikawa. M, Ya. Jamvaljav , A. Dashtseren , N. Sharkhuu, G. Davaa, Yo. Iijima, K. Yoshikawa	Permafrost and Periglacial Processes	2018	29	4	271-282
22	An Estimated Contribution of Glacier Runoff to Mongolia's Upper Khovd River Basin in the Altai Mountains	Caleb. G, K. Ulrich, M. Munkhdavaa, J. Sarah, A. Dashtseren , W. Michael	Mountain Research and Development	2019	39	1	12-20
23	Northern Hemisphere permafrost map based on TTOP modelling for 2000–2016 at 1 km ² scale	Jaroslav. O, W. Sebastian, B. Annett, B. Nikolai, H. Hanne, A. Dashtseren , R. Delaloye, B. Elberling, B. Etzelmüller, A. Kholodov, A. Khomutov, A. Marina, O. Leibman, A. Lewkowicz, SK. Panda, V. Romanovsky, RG. Way, A. Westergaard-Nielsen, T. Wu, Ya. Jambaljav , D. Zou	Earth-Science Reviews	2019	193		299-316
24	Reply to the comment: Northern Hemisphere permafrost extent: Drylands, glaciers and sea floor	Jaroslav. O, W. Sebastian, B. Annett, B. Nikolai, H. Hanne, A. Dashtseren , R. Delaloye, B. Elberling, B. Etzelmüller, A. Kholodov, A. Khomutov,	Earth-Science Reviews	2019	203		

		A.Marina, O.Leibman, A. Lewkowicz, SK. Panda, V.Romanovsky, RG. Way, A.Westergaard Nielsen, T.Wu, Ya.Jambaljav, D, Zou					
25	Multi-Source Based Spatio-Temporal Distribution of Snow in a Semi-Arid Headwater Catchment of Northern Mongolia	Munkhdavaa. M, G.Simon, Caleb g. Pan, Ya.Gansukh, Ya.Jambaljav ,M.Lucas	Geosciences	2019	9		1-18
26	Ground surface temperature variability and permafrost distribution over a mountainous terrain in northern Mongolia	Munkhdavaa.M, Ya.Gansukh, Ya.Jambaljav , M.Lucas	Arctic, Antarctic, and Alpine Research	2020	52	1	13-26
IV. Division of Soil Study							
27	Relationship between Evapotranspiration and Land Surface Temperature under Energy- and Water-Limited Conditions in Dry and Cold Climates	Zhigang Sun, Qinxue Wang, Ochirbat Batkhishig , and Zhu Ouyang	Advances in Meteorology	2016	9		
28	Grassland productivity and carbon sequestration in Mongolian grasslands: The underlying mechanisms and nomadic implications	Changliang Shao, Jiquan Chen, Housen Chu, Raffaele Laforteza, Michael Abraha, Ochirbat Batkhishig , Ranjeet John, Zutao Ouyang, Yaoqi Zhang, Jiaguo Qi	Environmental Research	2017	159		124-134
29	Quantitative analysis of how different checkerboard sand barrier materials influence soil properties: a study from the eastern edge of the Tengger Desert, China	Chunxing Hai, Zhibo Wu, Ji Wang, Ganbat Byambaa , Rui Dong, Jing Wang, Yuhao Wang, Jing Shi, Wenbang Gao, Yunhu Xie, Xiwei Zhang, Dandan Zhou, Hongtao Jiang, Ruiping Zhou, Xiaojia Li	Environmental Earth Sciences	2018	77	481	
30	Paleolakes in the Gobi region of southern Mongolia.	Frank Lehmkuhl, Jorg Grunert, Daniela Hulle, Ochirbat Batkhishig, Georg Stauch	Quaternary Science Reviews	2018	179		1-23
31	Method for estimating the threshold wind speed of dust emissions as a 2 function of soil moisture using available data archives	Dai Matsushima, Reiji Kimura, Yasunori Kurosaki, Ulgichimeg Ganzorig , Masato Shinoda	Journal of Boundary-Layer Meteorology.	2020	175		237-257
32	Non-climatic component provoked substantial spatiotemporal changes of carbon and water use efficiency on the Mongolian Plateau	Gang Dong, Fangyuan Zhao, Jiquan Chen, Yaoqi Zhang, Luping Qu, Shicheng Jiang, Batkhishig Ochirbat , Jingyan Chen, Xiaoping Xin, Changliang Shao	Environmental Research Letters	2020	15	9	1-6

33	Morphotectonics of the northern Bogd fault and implications for Middle Pleistocene to modern uplift rates in southern Mongolia	Jorien L.N. van der Wal, V.C. Nottebaum, B. Gailleton, G. Stauch, C. Weismüller, O. Batkhishig , F. Lehmkuhl, K. Reicherter	Geomorphology	2020	367		
34	The effect of different watering regimes and fertilizer addition on the growth of tree species used to afforest the semi-arid steppe of Mongolia	Ser-Oddamba Byambadorj, Donato Chiatante, Khaulenbek Akhmadi, Janchivdorj Lunten, Batkhishig Ochirbat , Byung Bae Park, Gabriella S. Scippa, Antonio Montagnoli & Batkhuu Nyam-Osor	Plant Biosystems	2020			
35	Landscapes, paleosols and climate in the north of Mongolia during the Holocene	Timireva SN, Batkhishig O , Sycheva SA, Kononov YuM, Simakova AN, Byambaa G , Telmen T , Samdandorj M, Filippova KG, Konsnantinov EA	Earth and Environmental Science	2020	438		1-9

V. Division Water Resources and Water Utilization

36	Cause-effect-response chains linking source identification of eroded sediments, loss of aquatic ecosystem integrity and management options in a steppe river catchment (Kharaa, Mongolia)	M. Hartwig, M. Schäffer, P. Theuring, S. Avlyush , M. Rode, D. Borchardt	Environmental Earth Sciences	2016	75	855	
37	Formation of the Lake-Type Ecosystem in Semi desert zone: Tayshir Reservoir in the Zavkhan River (Western Mongolia)	B. Mendsaikhan , A. Dulmaa, A. V. Krylov, D. B. Kosolapov, Yu. V. Slynko, A. A. Prokin, S. Demidsereeter, D. L. Lebedeva, B. Altantsetseg, and Yu. Yu. Dgebuadze	Journal of Arid Ecosystems	2017	6	3	213-219
38	Trend of storm water runoff pollutants temporal variability from different land use sites in Korea	Sheeraz Memon, Ma. Cristina Paule, Sunghoon Yoo, Raja Umer, Bum-Yeon Lee, Chinzorig Sukhbaatar & Chang-Hee Lee	Desalination and Water Treatment	2017	63		433-441
39	Climate change impact on the Tuul River flow in a semi-arid region in Mongolia	Sukhbaatar, Ch. , Raja, U.S., Janchivdorj, L., Seung-Hoon, Y., and Chang-Hee, Lee.	Water Environment Research	2017	86	6	527-538
40	Age and growth comparisons of Hovsgol grayling (<i>Thymallus nigrescens</i> Dorogostaiske, 1923), Baikal grayling (<i>Th. Baicalensis</i> Dybowski, 1874), and lenok (<i>Brachymystax lenok</i> Pallas, 1773) in lentic	Tsogtsaikhan, P., Mendsaikhan, B. , Jargalmaa, G., Ganzorig, B., B.C. Weidel, C.M. Filosa, C.M. Free, T. Young, O.P. Jensen	Journal of Applied Ichthyology	2017	33		108-115

	and lotic habitats of Northern Mongolia, 2017						
41	The first case morphological differentiation of Altai Osman <i>Oreoleuciscus potatini</i> (Cyprinidae, Actinopteri) in a river	Yu. Yu. Dgebuadzea, A. N. Mironovsky, B. Mendsaikhan , Yu. V. Slyn'ko	Doklady Biological Sciences	2017	437		57-60
42	Zooplankton pulsating lakes Orog and Tatsuin Tsagaan (Mongolia) at the beginning of the stabilization period, in the water level regime	A.V. Krylov., B. Mendsaikhan. , Ch. Ayushsuren. , A.I. Tsvetkov	Inland Water Biology	2018	2	3	118-127
43	Application of multivariate statistical analysis and multi-tracer approach for understanding groundwater and surface interaction system in Tuul River, Ulaanbaatar, Mongolia	Batdelger Odsuren and Maki Tsujimura	Japanese Association of Groundwater Hydrogeology	2018			194-199
44	Metadata describing the Kharaa Yeröö River Basin Water Quality Database	Hofmann, J., Ibisch, R., Karthe, D., Scharaw, B., Schäffer, M., Hartwig, M., Theuring, P., Rode, M., Avlyush, S. , Watson, V., Bremerich, V., Osor, G., Kaus, A., Westphal, K., Pfeiffer, M., Priess, J., Schweitzer, C., Krätz, D., Gröning, J., Hürdler, J., Batbayar, G., Heldt, S., Büttner, O. & Borchardt, D.	Freshwater Metadata Journal	2018	36		1-10
45	Monitoring and quantification of stormwater, runoff from mixed land use and land cover catchment in response to land development	Ma. Cristina A. Paule-Mercado., Imran, S., Bum-Yeon, L., Sheeraz, M., Raja Umer, S., Chinzorig, S. and Chang-Hee, L.	Ecological Indicators	2018	93		1112-1125
46	Morphological Differentiation of Altai Osman <i>Oreoleuciscus humilis</i> (Cyprinidae) in the Tuin-Gol River, Lake Valley, Mongolia, 2019	A. N. Mironovsky, Yu. Yu. Dgebuadze, B. Mendsaikhan , Yu. V. Slyn'ko	Journal of Ichthyology	2019	59	1	115-119
47	Zooplankton of the coastal areas of reservoirs of the arid zone: effects of level regime and meteorological conditions	A.V. Krylov., B. Mendsaikhan. , Ch. Ayushsuren., A.I. Tsvetkov	Ecosystem Transformation	2019	1		5-23
48	Trend analysis of rainfall characteristics and its impact on stormwater runoff quality from urban and agricultural catchment	Imran Salim., Ma Cristina Paule-Mercado., Raja Umer Sajjad., Sheeraz Ahmed Memon., Bum-Yeon Lee., Chinzorig Sukhbaatar and Chang-Hee Lee	Membrane and water treatment	2019	10	1	45-55
49	Comparison of two receptor models PCA-MLR and PMF for source identification and apportionment of pollution carried by runoff from catchment and sub-watershed	Imran Salim., Raja Umer Sajjad., Ma Cristina Paule-Mercado., Sheeraz Ahmed Memon., Bum-	Science of the Total Environment	2019	663		764-775

	areas with mixed land cover in Sought Korea	Yeon Lee., Chinzorig Sukhbaatar and Chang-Hee Lee					
50	Pelagic-littoral trophic polymorphism in Hovsgol grayling <i>Thymallus nigrescens</i> from Lake Hovsgol, Mongolia	Kirk Olson., Trevor Krabbenhoft., Thomas Hrabik., B. Mendsaikhan. , Olaf Jensen	Ecology of Fresh Water Fish	2019			1-13
51	Parasites of the stone loach <i>Barbatula conilobus</i> (Balitoridae: Nemacheilinae) in the Dzabkhan River (Mongolia)	Lebedeva, D.I., Karabanov, D.P., Zaice, D.O., Mendsaikhan B. , Yakovleva, G.A	Journal of Parazitology	2019	53	4	348-352
52	Temporal variability of suspended solids in construction runoff and evaluation of time-paced sampling strategies	Raja Umer Sajjad., Ma Cristina Paule-Mercado., Imran Salim., Chinzorig Sukhbaatar and Chang-Hee Lee	Environmental Monitoring & Assessment	2019	110		1-15
53	Trematode metacercariae in the eyes of fish from reservoirs of Mongolia,	Darya I. Lebedeva, Galina A. Yakovleva, Dmitry O.Zaytsev, Bud Mendsaikhan	Ecosystem Transformation	2020	3	1	19-26
54	Parasites of <i>Oreoleuciscus potanini</i> (Cyprinidae) from lakes of Khar-Us Nuur Ntaional Park (Mongolia)	Darya I. Lebedeva., Bud Mendsaikhan. , Galina A. Yakovleva, Dmitry O. Zaytsev	Nature Conservation Research	2020	5	1	1-14
55	The key role of increased fine sediment loading in shaping macroinvertebrate communities along a multiple stressor gradient in a Eurasian steppe river (Kharaa River, Mongolia)	Schäffer M, Hellmann C, Avlyush S , Borchardt D	International Review of Hydrobiology	2020	105		1-19
56	Challenges for hydropeaking mitigation in an ice-covered river: A case study of the Eg hydropower plant, Mongolia	Sukhbaatar C , Sodnom T, Hauer C.	River Research & Applications	2020			1-14
57	Rapid Morphological Diversification of the Cyprinid Fish <i>Oreoleuciscus potanini</i> (Cyprinidae) in the Course of Formation of a Reservoir in a River of the Semiarid Zone	Yu. Yu. Dgebuadzea., A. N. Mironovsky, B. Mendsaikhan , Yu. V. Slyn'ko	Doklady Biological Sciences	2020	490		1-15
VI. Division of Social Economic Geography							
58	Public Health in Russia and Mongolia in the XXI Century: Comparative and Geographical Aspects	Enkh-Amgalan.S Malkhazova.S Pestina.P, Shartova N	Geography and Geo-Ecology	2017	1		32-36
59	Economic-geographical characteristics of agricultural land use with the Selenga river basin	O.A. Ekimovskaya, I.A. Belozertseva, S.E. Amgalan. , N.B. Badmaev	Earth and Environmental Science	2018			
60	Perennial dynamics of pastoral ecosystems of arid steppe zones of Central Mongolia (Central Gobi region)	Petukhov.I, Bazha.S, Danzhalova.E, Drobyshev.I, Syrtypova.Kh., Enkh-Amgalan.S , Gunin.P	Ecosystems of ecology and dynamics	2018	2		5-39

61	State industrial policy of Mongolia: Special industry mapping in the Eastern region of Mongolia	Battogtokh D., Zolzaya A., Altanbagana M., Sainbuyan B., Tsogbadral Kh., Bolormaa Ts	ERINA Report	2019	148		21-23
62	Geochemical transformation of soil cover and woody vegetation in the largest industrial and transport center of Northern Mongolia (Darkhan)	Natalia E.Kosheleva, Ivan V.Timofeev., Nikolay S.Kasimov., Enkh-Amgalan Sandag	Applied Geochemistry	2019	107		80-90
63	Soil microbial contamination and its impact on child diarrheal disease incidence in Ulaanbaatar	Oyunchimeg.B, Enkhjargal.A, Tsegmed.S, Suvd.B, Oyun-Erdene.O, Zolzaya.D, Enkh-Amgalan.S , Malkhazova.S	Geography, Environment, Sustainability	2019	12	4	
64	Health of the population of urbanized territories of the Republic of Buryatia and Mongolia	Shartova N, Enkh-Amgalan.S , Malkhazova.S	Geography and natural resources	2019	12	4	
65	Assessment of pastoral vulnerability and its impacts on socio-economy of herding community and formulation of adaptation options	Suvdantsetseg.B, Kherlenbayar.B, Nominbolor.Kh, Altanbagana.M , Wanglin Yan, Toshiya Okuro, Chuluun.T, Takafumi Miyasaka, Shaokun Wang, and Xueyong Zhao	APN Science Bulletin	2020	10	1	
VII. Division of Land Resources and Land Use							
66	Plant community change in three Mongolian steppe ecosystems 1994–2013: applications to state-and-transition models	Jamiyansharav K., Fernandez-Gimenez M. E., Angerer J. P., Yadamsuren B. , and Dash Z.	Ecosphere AN ESA open access journal	2018	9	3	1-26
67	Spatial and temporal variations of sediment metals in the Tuul River, Mongolia	Soyol-Erdene Ts., Lin S., Tuuguu E., Daichaa D., Kuo-Ming Huang., Bilguun U. , Tseveendorj E	Environmental Science and Pollution Research	2019	26		32420-32431
68	Sources, enrichment, and mobility of soil trace metals in Ulaanbaatar, Mongolia	Bilguun, U. , Namkhainyambuu, D., Purevsuren, B., Soyol-Erdene, Ts., Tuuguu, E. & Daichaa, D.	Archives of Environmental Contamination and Toxicology	2020	79		219-232
VIII. Division of Desertification study							
69	Effect of Nitrogen Fertilization on physiological characteristics and Growth of Populus sibirica Seedlings in a semi-arid area, Mongolia	Hanna Chang, Seung hyun Han, Hoduck Kang, Khaulenbek Akhmadi and Yowhan Son	Journal of Korean Forest Society	2016	106	1	19-25
70	Physiological responses of Populus sibirica to different irrigation regimes for reforestation in arid area	T.Y.Lee, S.M.Je, M.J., K.Akhmadi , E.Tumurbaatar , I.Khaine, H.K.Lee, J.H.Jang, H.N.Kim, H.j.Ahn, S.Y.Woo	South African journal of Botany	2017	112		329-335

71	Effects of oxidized brown coal humic acid fertilizer on the relative height growth rate of three tree species	Ganchudur Ts., Khaulenbek A., Cho W	Journal of Forests	2018	360	9	1-10
72	A comparative study of temperature and precipitation-based aridity indices and their trends in Mongolia	Nyamtseren, M. , Feng, Q. & Deo, R. A	International Journal of Environmental research	2018	12	6	887-899
73	Characterization and Simulation of Long - Term Seasonal Climate and its Impact on Runoff of Kharkhiraa River in Western Mongol	Shinebayar Otgon , Li Lanhai, Shareef Muhamma, Mukanyandwi Valentine	East European Scientific Journal	2018	12	40	1-17
74	Review on Water Resources Management and Key Threats in Rwanda, East Africa	Valentine Mukanyandwia, , Lamek Nahayoa, Egide Hakorimanaa, Aboubakar Gasiraboa, Shinebayar Otgon	Journal of Water Security	2018	4		1-8
75	The effect of different watering regimes and fertilizer addition on the growth of tree species used to afforest the semi-arid steppe of Mongolia	Byambadorj, S. O., Chiatante, D., Akhmadi, K. , Luntun, J., Ochirbat, B., Park, B. B., ... & Nyam-Osor, B	Plant Biosystems- An International Journal Dealing with all Aspects of Plant Biology	2020			1-14
76	Cold Hardiness of 8 Hybrid Poplar Clones for the Introduction to Arid and Semi-Arid Areas	Cho, W., Chandra, R., Lee, S., Han, J., Lee, S., Tsetsegmaa, G. , ... & Kang, H	Plant Breeding and Biotechnology	2020	8	1	11-18
IX. Division of Remote sensing and Spatial Modelling							
77	Object-based classification of mixed forest types in Mongolia	Nyamjargal, E., Amarsaikhan, D., Munkh-Erdene. A. , Battsengel, V & Bolorchuluun	Geocarto International	2019			1-10
78	Advanced classification of optical and sar images for urban land cover mapping	Amarsaikhan, D	International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences	2020	XLIII- B3- 2020		1417-1421
79	Improvement of Mongolian height system using a satellite technology	Enkhtuya, S. and Amarsaikhan, D	Open Journal of Applied Sciences	2020	10	4	154-168
X. Division of Geographic Information system and cartography							
80	Modeling net primary productivity of terrestrial ecosystems in the semi-arid climate of the Mongolian Plateau using LSWI-based CASA ecosystem model	Bao, G., Bao, Y., Qin, Z., Xin, X., Bao, Y., Bayarsaikhan, S. , Zhou, Y. & Chuntai, B.	International journal of applied earth observation and geoinformation	2016	46		84-93

81	Dynamics of net primary productivity on the Mongolian Plateau: Joint regulations of phenology and drought	Bao, G., Chen, J., Chopping, M., Bao, Y., Bayarsaikhan, S., Dorjsuren, A., Tuya, A., Jirigala, B. & Qin, Z.	International Journal of Applied Earth Observation and Geoinformation	2019	81		85-97
82	Understanding urbanization and its impact on the livelihood levels of urban residents in Ulaanbaatar, Mongolia	Cui, D., Wu, D., Liu, J., Xiao, Y., Yembuu, B., & Adiya, Z.	Growth and Change	2019	50	2	745-774
83	Integrating multitemporal sentinel-1/2 data for coastal land cover classification using a multibranch convolutional neural network: A case of the Yellow River Delta	Feng, Q., Yang, J., Zhu, D., Liu, J., Guo, H., Bayartungalag, B. , & Li, B.	Remote Sensing	2019	11	9	1006 (1-122)
84	Variations and climate constraints of terrestrial net primary productivity over Mongolia	Bao, G., Tuya, A., Bayarsaikhan, S., Dorjsuren, A., Mandakh, U. , Bao, Y., Li, Ch. & Vanchindorj, B.	Quaternary International	2020	537		112-125
85	Carbon stock estimation using remote sensing data and field measurement in haloxydon ammodendron dominant winter cold desert region of mongolia	Batsaikhan, B. , Lkhamjav, O., Batsaikhan, G., Batsaikhan, N., & Norovsuren, B.	Annals of Photogrammetry, Remote Sensing & Spatial Information Sciences,	2020	5	3	9-17
86	Variations of vegetation net primary productivity and its responses to climate change from 1982 to 2015 in Mongolia	Bayarsaikhan, S., Mandakh, U., Dorjsuren, A., Batsaikhan, B. , Bao, Y., Adiya, Z. , & Myagmartseren, P.	Annals of Photogrammetry, Remote Sensing & Spatial Information Sciences,	2020	5	3	347-353
87	Delineation of suitable cropland areas using a GIS based multi-criteria evaluation approach in the central agricultural region of Mongolia	Dorjsuren, A., Batsaikhan, B. , Gansukh, B., Jamsran, C., Nasanbat, E., & Bold, O.	Annals of Photogrammetry, Remote Sensing & Spatial Information Sciences,	2020	5	3	1445-1450
88	Monitoring wheat crop growth parameters using time series sentinel-1 and sentinel-2 data for agricultural application in Mongolia	Gansukh, B., Batsaikhan, B., Dorjsuren, A. , Jamsran, C., & Batsaikhan, N.	Annals of Photogrammetry, Remote Sensing & Spatial Information Sciences,	2020	5	3	989-994
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