

**OROLMAA ERDENESHOO**

(Apartment - , th khoroo/ bagh, \_\_\_\_\_ khoroolol/ district, Darkhan –Uul province, Mongolia  
(Tel: +976-11- 70374455)

Senior Lecturer

E-mail address: orolmaa@stda.edu.mn

Mobile phone: 976-99097329

**EDUCATION**

The School of Applied Science, Mongolian University of Science and Technology <b>Ph. D degree in</b> Dissertation: “Characteristics of air pollution in Darkhan-Seleng region and its future trends ”	2016
Mongolian University of Science and Technology <b>Master of Information Technology System</b> Thesis: “ ”	2007
National University of Mongolia in Khovd province <b>Bachelor of Teaching Physics</b>	2001
The 3 <sup>rd</sup> Secondary Education School , Khovd province	1991

**WORK EXPERIENCE**

The School of Technology in Darkhan-Uul province, Mongolian University of Science and Technology <b>Senior lecturer at Fundamental Sciences</b> <b>Department Teacher-Physics</b>	2010 – present
Technical College in Darkhan <b>Lecturer- Physics</b>	2006-2010
Technical College in Darkhan <b>Training manager</b>	2002- 2006
<b>Secondary School #1 in Bulgan soum, Khovd province, Mongolia</b> <b>Teacher- Physics</b>	2001-2002

**RESEARCH INTEREST**

**Analysis in the regions on :**

- *Determination of Normalized Vegetation Index (NDVI) of Darkhan-Seleng region vegetation using MODIS satellite data*
- *To evaluate and analyze the distribution of dust caused by surface erosion using the HYSPLIT model*

**PUBLICATIONS AND PAPERS**

- Orolmaa Erdeneshoo (2022), “**Land surface temperature estimation over Darkhan-Uul aimag using by Landsat imagery data**” presented at VIII Международная Конференция Проблемы Механики Современных Машин, посвященная 60-летию ВСГУТУ. р. 395, Улан-Удэ
- Orolmaa Erdeneshoo (2020), “**Recent issues on air quality in Ulaanbaatar city**” with J. Batbayar, presented at Proceedings of the Scientific Conference of the City with Clean Air.pp.17-21 Ulaanbaatar, Mongolia
- Orolmaa Erdeneshoo (2019), “**Determining plant cover in selenge region by using the landsat 5 satellite data**” presented at International Conference “Green Development. pp.123-127Darkhan, Mongolia
- Orolmaa Erdeneshoo (2019), “**Land surface temperature estimation over Darkhan-Uul aimag using by landsat 8 satellite imagery data**” presented at First International Conference on Applied Sciences - Engineering . pp.589-592 Ulaanbaatar, Mongolia
- Orolmaa Erdeneshoo (2018), “**Determining plant cover in Darkhan, Selenge region by using the Modisatellite data**” presented at International Conference “Green Development”.pp.76-80 Darkhan, Mongolia
- Orolmaa Erdeneshoo (2018), “**Air quality and pollution in Darkhan-Uul province**” presented at the 3rd International Workshop and the 8th International Workshop for Application of Satellite Data for Mongolian Environment. pp. 65-67 Ulaanbaatar, Mongolia
- Orolmaa Erdeneshoo (2017),” **Estimation of urban surface emissivity based on sub-pixel classification of landsat 8 imagery**” with S. Tyua, N.Tugjsuren, B.Tserenhand presented at International Organization of Research. pp.50-53 Ulaanbaatar, Mongolia
- Orolmaa Erdeneshoo (2017),” **Research results of nitrogen dioxide polluting the atmosphere of Sukhbaatar city**” presented at Proceedings of the International conference on The Issue of Introduction of Advanced Technology in Higher Education .pp. 60-63 Darkhan , Mongolia
- Orolmaa Erdeneshoo (2017),” **Satellite data usage in engineering education**” presented at Proceedings of the International conference on The Issue of Introduction of Advanced Technology in Higher Education .pp.295-298 Darkhan , Mongolia
- Orolmaa Erdeneshoo (2015),” Study on air pollution dioxides in Darkhan-Selenge areas, Mongolia / E.Orolmaa, N.Tugjsuren // Вестник современной науки.- Научно-теоретический журнал: Волгоград., X.143-152.- ISSN 2410-2563
- Orolmaa Erdeneshoo (2015),” **Estimation of urban surfase emissivity based on sub-jixel classification of landsat 8 imagery** “ with S.Tuya, N.Tugjsuren, presented at Образование и устойчивое развитие - Материалы международной конференции: Улан-Удэ.,P.161-166
- Orolmaa Erdeneshoo (2013),” **Research on physics teaching in Darkhan city universities and elementary schools**”, presented at International scientific-practical conference:.-Darkhan., P.43-45
- Orolmaa Erdeneshoo (2013),” **Atmospheric aerosol optical properties and climate change trends over semi-arid region in Mongolia** “ with N.Tugjsuren, presented at International Conference on Climate Change in Arid and Semi-Arid Region: UB., Mongolia.P.149-155
- Orolmaa Erdeneshoo (2011),” **Some research results of air space presipition in Darhan city** “ with S.Selenge, presented at International Conference For Mineral and Materials, Mongolia. P.130-133.
- Orolmaa Erdeneshoo (2010),” **Study of air pollution in Darkhan-Uul** “ , presented at The Proceedings of the International Scientific Conference on Energy Industry Development and Ecology: UB., P. 96-100
- Orolmaa Erdeneshoo (2010),” **Study on air pollution dioxides in Darkhan province**” with N.Tugjsuren , presented on Climate Conditions Desertification in Mongolia at the Proceedings of the 4th Annual international conference “Application and Development of Geospatial Technologies in Mongolia”.Ulaanbaatar. P.140-142
- Orolmaa Erdeneshoo (2010),” **Air temperature regime on the territory of Darkhan-Uul province**” at Proceedings of the 4th Annual International Conference on Application and Development of Geospatial Technologies in Mongolia: UB., P.143-149

## **TRANSLATIONS FROM OTHER LANGUAGES INTO MONGOLIAN LANGUAGE**

### **TRAININGS FOR PROFESSIONAL DEVELOPMENT**

**(Where, Organization)**

**(Name of the training)** from **(month/ day)** to **(month/ day, year)**

In 2014, attended training in remote sensing programming in China, and in this field, learned how to work with ENVI-4.7 and ArcGIS-10 programs using satellite data.

### **HONORS AND AWARDS**

**Honorary Certificate**

**LANGUAGES**                      **Exceclent-5, Good-4, Satisfactory-3, Not Good-2, Not Satisfactory-1**

Russian                      Reading (Good), Writing (Good ), Speaking (Sat), Understanding (Sat )

English                      Reading (Good), Writing (Good), Speaking (Sat), Understanding (Sat )

### **TECHNICAL SKILLS**

Statistical Programming and Packages: SPSS and R

Other: Windows OS and Data Analysis in excel

### **PROFESSIONAL AND OTHER MEMBERSHIP**

**(Position/Organization/State)**                      **(year) to present**

**Member of the Union of Crystalline Physics in Darkhan ( in \_\_\_\_\_ )**

**Founder by the NGO "Geret Teachers' Institute" (in \_\_\_\_\_ )**

### **REFERENCES**

**Namnan Tumurpurev (Ph.D.), President of Mongolian University of Science and Technology**

(976-11) 324709, [namnan@must.edu.mn](mailto:namnan@must.edu.mn)

**Uuganbayar Tumurkhuu (Ph.D.), Director of International Relations and Social Partnerships at  
the Mongolian University of Science and Technology**

(976-11) 329081, [uuganbayar@must.edu.mn](mailto:uuganbayar@must.edu.mn)