

CURRICULUM VITAE



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I have more than three years of experience on water resource management and geographical information systems with certificates and degrees from recognized universities and short courses. My main research interests are connected with spatial data, GIS/RS and climate change analysis for making evidence – based solutions on sustainable development of land and water resource management in Central Asian region and beyond.

WORK EXPERIENCE

Leibniz Institute of Agricultural Development in Transition Economies (IAMO)

Position: PhD Student

Duties and responsibilities:

- Data application received from drones to perform yield analysis
- Using Remote Sensing and GIS for agricultural and environmental analysis
- Development of climate change projection and impact of agriculture economics

Halle (Saale), Germany 2019 – Present

International Water Management Institute(IWMI)

Position: Consultant on Integrated water resource management and Remote Sensing/GIS

Remote Sensing/GIS

Duties and responsibilities:

- Conduct field assessment for GPS data collection including GPS coordinates of the village hazards, infrastructure, critical facilities and related photos.
- Receive field data from technical team in the form of digital and hard copy format for processing and storing at the GIS Unit.
- Design and maintain the geo-database for proper arrangement and storage of the data received from Geologists and Social Research.
- Develop and print big size format field sketch maps for geologists to use during the field work with the communities.

- Enter attribute data (disaster management base line survey, hazard worksheets) and raster data (scanning of the geological sketch, evacuation, land use maps and photos) in to the database.
- Geo-referencing and digitizing of the field sketches, topographic maps, satellite imagery and other remote sensing data using the required GIS software application.
- Designing and printing maps of various format and size based on technical team request: Community Natural Hazard and other Thematic Maps.
- Perform GIS and Remote Sensing analysis for information related to disaster and emergency management and integrated habitat component.
- Ensure that all hardware and software are properly maintained (including fieldwork laptops, GPS sets, digital cameras etc.).
- Development of Geodatabase and Digital Diagnostic Atlas for river basin.
- Development of climate change projections and assessment of floods and droughts in river basin.
- To create maps of crop classification and further calculation of NDVI indicator.
- Develop maps for evaporation, agricultural and environmental analyses.

Tashkent, Uzbekistan 2016-2019.

Job responsibilities:

- Inputs to the training materials are provided based upon IWMI's expertise.
- Collaboration with the private sector, state authorities, local official in the framework of the project.
- Formatting and preparation of reports, minutes, as well as proof reading documents from Russian. English, Uzbek and vice versa.
- Prepare weekly reports and weekly plans based on collected information from the field staff.
- Preparation of training modules and conducting trainings on GIS and Remote Sensing techniques.
- Development of project proposals and writing project reports and scientific papers.
- Act as a representative of the department in meeting with other project's partners and in cooperation with Capital Office, in absence of Project Manager.

Tashkent, Uzbekistan 2016-2019.

World Bank Program on Strengthening Financial Resilience and Accelerating Risk Reduction in Central Asia (SFRARR).

Position: Regional consultant of multi-hazard disaster risk assessment

Job responsibilities:

- Base data such as administrative boundaries, aerial imagery, bathymetry and topography including digital elevation models, watershed boundaries;
- Exposure data such as population, building stock including healthcare and education facilities, transport and communication infrastructure;

- Hazard data: hazard intensity and susceptibility maps, spatial datasets of historical disasters;
- Risk data: spatial data recording the results of previous risk assessments.

Uzbekistan December 2018 – June 2019

Organizer of international summer school on Geographic Information System and Remote Sensing for Land and Water Resources Management in Climate Change Conditions

- Preparation of training module on Remote Sensing/GIS;
- Presentations of Watershed delineation and stream network calculation – exercise;
- Share experience on land cover and crop classification using Remote Sensing information;
- Development of training module on calculation of evapotranspiration and NDVI in GIS.

Uzbekistan June 2018 – July 2018

Organizer of trainings on rational use of water and cost-effective water management and land practices for selected farmers

- Preparation of training module on modern water and energy saving technologies;
- Prepare presentations and handouts on innovative water accounting technologies ;
- Development and conducting pre and post training surveys.

Uzbekistan July 2017 – December 2017

The State Committee of the Republic of Uzbekistan on Statistic

Position: Leading specialist on data processing

- Promote the regular use of knowledge, information and early warning for evidence-based decision making and monitoring;
- Enhance country public and private sector capacities and investments to design, implement and evaluate policies, strategies and programmes, including through international and regional instruments;
- Perform any other duties as required.

Internship Tashkent, Uzbekistan 2014.

Inspection "State Water Resource Supervision" Construction of the Fergana reservoir

Position: Academic Internship

- Assist with the preparation of field reports to inform the campaign as assigned;
- Prepare and develop specific activities to be undertaken within the project's online campaign;
- Undertake all other duties as may be assigned.

Fergana, Uzbekistan 2013.

"Uzkommunkhizmat" Agency: Engineer assistant: Group training and management of the program of Asian Development Bank

Position: Internship

- Preparation of contracts, orders, finance and HR necessary documents;
- provide support in preparation and revision;

- Drafts on own initiative or under instructions correspondence, documents and reports, some of which are highly confidential.

Tashkent, Uzbekistan 2012.

EDUCATION

GERMAN-KAZAKH UNIVERSITY "DKU" (2014-2016)

Master Student on Social Sciences
Integrated Water Resources Management (IWRM)
Almaty, Kazakhstan

TASHKENT INSTITUTE OF IRRIGATION AND MELIORATION (2010-2014)

Bachelor Degree on Hydro engineering construction
Tashkent, Uzbekistan

LANGUAGES: Uzbek (Native language), Russian (excellent), English (excellent)
Turkish (Basic), Kazakh (Basic)

KEY SKILLS AND ABILITIES

- **Presentational and communication skills:**
- Excellent project management skills, responsible and a very hard worker in the accomplishment of goals.
- **Communication:**
Good teamwork skill and communication. Excellent self-organizational and self-thinking.
- **Working skills:**
Kknowledgeable oriented created and draw hydraulic build and house build.
Excellent teamwork ability.
- **Social skills and competence:**
Great experience in organizing meetings, conferences and travels.
- **Computer skills:** Advanced IT skills (Prezi, photoshop and etc.)
- **Driving License (class "B" 1-8 passengers)**

PRACTICAL ACHIEVEMENTS

- Technical Computing Languages html, CSS.
- R studio, ArcGIS, QGIS, SASPlanet, Modis, Landsat and Mapping software system.
- AutoCAD, Photoshop, Archicad, Software for computing aided design.

RESEARCH EXPERIENCE & PUBLICATIONS

PUBLICATIONS

- Geodatabase and Digital Atlas: Aksuv River Basin, Uzbekistan. Z Gafurov, **Sh Khodjaev**, S Eltazarov, B Akramov, K Djumaboev & O Anarbekov Tashkent 2020
- Geodatabase and Digital Atlas: Shakhrihansai River Basin, Uzbekistan. Z Gafurov, **Sh Khodjaev**, S Eltazarov, B Akramov, K Djumaboev & O Anarbekov Tashkent 2020

- Assessment of the current situation of the Shakhrikhansay Irrigation System in Andijan Region: analytical report. O Anarbekov, N Gaypnazarov, Z Gafurov, K Djumaboev, U Solieva, **Sh Khodjaev**, I Akramov, B Akramov. Tashkent, Uzbekistan: European Union and Deutsche Gesellschaft fur Internationale Zusammenarbeit (GIZ) GmbH 2018.
- Assessment of the current situation of the Aksu River Basin in Kashkadarya Region: analytical report. O Anarbekov, N Gaypnazarov, I Akramov, Z Gafurov, K Djumaboev, U Solieva, **Sh Khodjaev**, T Yuldashev, B Akramov. Tashkent, Uzbekistan: European Union and Deutsche Gesellschaft fur Internationale Zusammenarbeit (GIZ) GmbH 2018.
- Overview of existing river basins in Uzbekistan and the selection of pilot basins.: [Project Report of the Sustainable Management of Water Resources in Rural Areas in Uzbekistan. Component 1: National policy framework for water governance and integrated water resources management and supply part]. O Anarbekov, N Gaypnazarov, I Akramov, K Djumaboev, Z Gafurov, U Solieva, **Sh Khodjaev**, S Eltazarov, M Tashmatova. International Water Management Institute (IWMI) 2018.
- Smartstick - Innovative Water Accounting Technology. Anarbekov O.; Khodjaev Sh., Solieva U. Colombo, Sri Lanka: International Water Management Institute (IWMI) 2018
- Using of innovative resources saving technology for rational water treatment in Uzbekistan **Khodjaev Sh**, Akramov I, Solieva U, Anarbekov O. "Agro olm", Tashkent 2017
- Overview of Water-related Programs in Uzbekistan during the period of 2010-2017. K Djumaboev, O Anarbekov, B Holmatov, A Hamidov, Sh Khodjaev, U Solieva. "Project Report Sustainable management of water resources in rural areas in Uzbekistan", Tashkent 2017
- Role of NDVI measurements by satellite images in case of Chirchik river basin in Uzbekistan. Khodjaev Sh. "Herald of KazNTU", Almaty, 2016
- **Business project contest** "Youth Water Day – Water Enterprises" and a research trip to the Aral Sea, Internship, Almaty, Kazakhstan 2015.
- **Students Pilot Project:** The World Bank, Free University of Berlin, Title of project: «Creation of Water Apps in the Field of Integrated Water Resource Management» Internship, Berlin, Germany 2015.
- Efficient use of water resources in the Amudarya river basin. Khodjaev Sh. Herald of 2014 DKU. VI annual student conference on "Structural change and the development of society" 2014.
- Improve the performance of Farmers. Khodjaev Sh. Vestnik 2014 TIMI. XII Annual Conference on water and agricultural issues 2013.

AWARDS & CERTIFICATE

- World Bank Group, IFAS, DKU. Certificate Has successfully participated in the Student business project contest "Youth Water Day – Water Enterprises" and a student trip to the Aral Sea. Almaty, Kazakhstan 2015
- OSCE, DKU. I Kazakhstan Water Forum "Government – University – Industry". Almaty, Kazakhstan 2015
- DKU. For taking part in master classes of the seminars "Water Day". Almaty, Kazakhstan 2015

- USAID, FREEDOM HOUSE, DKU. Certificate Manipulation of public consciousness. Almaty, Kazakhstan 2014
- GFZ, CAWA, GIZ. Certificate of Integrated Water Management CA (DKU Almaty). Almaty, Kazakhstan 2014
- GFZ. CAWA, GIZ. The diploma to regional Olympiad the integrated water resources management in CA. Almaty, Kazakhstan 2014