

# Mirzakhayot Ibrakhimov

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1. **DATE OF BIRTH:** June 30, 1971
2. **NATIONALITY:** Uzbekistan
3. **CIVIL STATUS:** Married
4. **EDUCATION:** PhD

Institution, (Date):	Degree(s) or Diploma(s) obtained
Center for Development Research (ZEF, Germany), 2001-2004	Ph.D. Title of thesis: "Spatial and temporal dynamics of groundwater table and salinity in Khorezm"
Tashkent Institute of Irrigation and Melioration Engineers (TIIM, Uzbekistan), 1988 – 1993	MSc, Engineer-Hydrotechnician

5. **LANGUAGE** (5 = fluent till 1 = basic)

#### SKILLS:

Language	Reading	Speaking	Writing
Uzbek (mother tongue)	5	5	5
Russian	5	5	5
English	5	5	5
German	4	2	3

6. **OTHER SKILLS:** Full computer literacy with main PC hard- and software tools
7. **PRESENT POSITION:** Senior Researcher, Khorezm Advisory Support Service (KRASS)

#### 8. KEY QUALIFICATIONS:

- Knowledge and working experience in the field of irrigated agriculture in different provinces of Uzbekistan (within the framework of the Ministry of Agriculture and Water Resources Management), particularly in the Khorezm region (during PhD and PostDoc studies),
- Skills in conducting initial research, data collection and analysis, using primary, secondary data sources and (local) expert opinion, evaluating and developing viable solutions,
- Ability to produce detailed reports and peer-reviewed papers,
- Expertise working in trans- and multidisciplinary team,
- Interact effectively with administrators, scientists and other people. Ability to adapt to people and institutions at all levels,
- Key expertise areas include: irrigation, drainage and groundwater management, hydrogeology. Working knowledge of geographic information systems (GIS), geostatistics, and remote sensing (photogrammetry), statistical and GIS software packages (SPSS, S-Plus, ArcView and ArcGIS). Knowledge of hydrology, geology and hydrogeology, irrigation and drainage design and maintenance, soil and groundwater. Learning remote sensing, modeling flow and solute transport.

#### 9. PROFESSIONAL EXPERIENCE:

Date	Location	Company, Position	Description
2008-current	Khorezm province, Uzbekistan	KRASS Senior Researcher	Fields of specialization: hydrology and hydrogeology, irrigation, drainage and groundwater management. Responsibilities: Identification of high priority problems in the agricultural sector of Uzbekistan (not confined with the Khorezm province), preparation and implementation of the proposal
05/2010-06/2011	Sirdarya province, Uzbekistan	Jircas, Japan Short term expert, irrigation specialist	Short term expert for the research project on "measures against farmland damage from salinization in Uzbekistan" by Japan International Research Center for Agricultural Sciences (JIRCAS). Main responsibilities included: <ul style="list-style-type: none"> <li>- measuring irrigation water inputs into precisely (laser-guided) and traditionally leveled research fields,</li> <li>- measuring water advance rates, furrow slopes, furrow infiltration rates,</li> <li>- assessing irrigation water supplies and drainage discharges into research fields and wider area (WUA)</li> <li>- analyzing data and preparing reports and presentations of the works done</li> <li>- taking part in the preparation of the final report and guidelines</li> </ul>

2005-2009	Khorezm province, Uzbekistan	ZEF/UNESCO project, Hydrologist, post doctoral position	Post-doctoral position at the Uzbek-German ZEF/UNESCO project "Economic and Ecological Restructuring of Land and Water Use in the Khorezm region, Uzbekistan", by Center for Development Research (ZEF), University of Bonn, Germany. Responsible for water section in the project: - organizing data collection and analyses, - supervising project's PhD and MSc students - organizing and participating in the Follow-The-Innovation (FTI) approach, which involved trans- and inter-disciplinary communication with researchers from different fields and local administration and farmers - preparing reports, presentations and publications in peer-reviewed journals, - Participating in the research seminars, workshops and conferences
1996-2000	Uzbekistan	MAWR, Chief specialist	Chief specialist at the Ministry of Agriculture and Water Resources Management, Uzbekistan, Department of Amelioration. Responsibilities: - organizing and controlling of O&M of monitoring services (groundwater table and salinity, soil salinity, irrigation and drainage networks) in provinces of Uzbekistan - analyzing information, early detection of land degradation and elaboration of actions together with the other ministry departments and local staff - working with the other ministries, local and international organizations involved in irrigated agriculture

## 10. PUBLICATION LIST:

- Martius, C., Lamers, J. P. A., Ibrakhimov, M., Vlek P. L. G. 2004: Towards a sustainable use of natural resources in the Aral Sea Basin. In: H. Bogena, J.-F.Hake, H. Vereecken (Eds.): Water and Sustainable Development. Schriften des Forschungszentrums Jülich. Reihe Umwelt/ Environment (48): 117-134.
- Ibrakhimov, M., Park, S. J., Vlek P. L. G. 2004. Development of Groundwater Salinity in a Region of the Lower Amu-Darya River, Khorezm, Uzbekistan. Ryan, John; Paul Vlek and Raj Paroda (eds). Agriculture in Central Asia: Research for Development. Proceedings of a Symposium held at the American Society of Agronomy Annual Meeting at Indianapolis, Indiana, USA, Nov. 10-14 2002. International Centre for Agricultural Research in the Dry Areas (ICARDA), Aleppo, Syria. p.56-75.
- Ibrakhimov, M. 2005. Spatial and temporal dynamics of groundwater table and salinity in Khorezm (Aral Sea Basin), Uzbekistan. Ph.D. Univ. Bonn. ZEF Series in Ecology and Development, 23. 175 pp.
- Ibrakhimov, M., Mirhodjiev, M., Shirokova, Y., Lamers, J. P. A. (2005): Modern Technologies-GIS. Agriculture of Uzbekistan. No.3, p. 30-31 (In Russian)
- Ibrakhimov M., Martius, C., Lamers, J. P. A., Park, S. J., Vlek, P. L. G. 2005. GIS-based monitoring tools for improved groundwater management in Khorezm (Uzbekistan, Central Asia). In: Proceedings of ICID 21st European Regional Conference Integrated Land and Water Resources Management: Towards Sustainable Rural Development 2005, 15-19 May 2005, Frankfurt (Oder) and Slubice.
- Awan, U. K., Ibrakhimov, M., Tischbein, B., Kamalov, P., Martius, C., and Lamers, J. P. A. (2011). "Improving irrigation water operation in the lower reaches of the Amu Darya River – current status and suggestions." Irrigation and Drainage, 1-13. DOI: 10.1002/ird.612
- Ibrakhimov, M., Martius, C, Lamers, J. P. A., Tischbein, B. The dynamics of groundwater table and salinity over 17 years in Khorezm. Agricultural Water Management Journal, accepted.