

# Faoliyati

## XALQARO HAMKORLIK BO'LIMI

Xalqaro hamkorlik bo'limi institut faoliyatida muhim ahamiyat kasb etuvchi asosiy bo'limlardan biri bo'lib, TIQXMMI nomidan uning ravnaqi, missiyasi va asosiy maqsadlari yo'lida barcha yo'nalishlarda xorijiy mamlakatlardagi va O'zbekistonda joylashgan xorijiy mamlakatlarning turli tashkilotlari bilan hamkorlikda amalga oshiriladigan faoliyatlarni tashkillashtiradi va muvofiqlashtiradi. Xalqaro hamkorlik faoliyati keng qamrovli bo'lib o'z ichiga strategik va joriy tezkor tadbirlar majmuasini qamrab olgan holda institutni etakchi xorij universitetlari va tashkilotlari bilan bog'lab beruvchi rasmiy bo'g'in hisoblanadi. Xorijiy oliy ta'lim va ilmiy muassasalar, turli biznes sohalari tashkilotlari bilan o'zaro manfaatli hamkorlik yo'nalishlarini aniqlash, ta'lim va ilmiy dasturlarni rivojlantirish, talabalar va professor o'qituvchilar jamoasini internatsionallashtirish, talabalar almashinuvi, qo'shma ta'lim va ilmiy dasturlar va loyixalarni tashkil etish, professor o'qituvchilarni malakasini oshirish va stajirovkasini tashkil etish, ilg'or xorijiy muassalarning etuk mutaxassislarini institutning o'quv va ilmiy jarayoniga jalb etish, institutning moddiy texnika va o'quv-ilmiy laboratoriya bazasini modernizatsiya qilishni tashkil etish, institutdagi mavjud o'quv va ilmiy-texnik salohiyatni yanada rivojlantirishga sharoitlar yaratish kabi yo'nalishlar xalqaro hamkorlik bo'limining asosiy vazifalari doirasiga kiradi. Xalqaro hamkorlik bo'limiga hozirda d-r Sh.Raxmonov boshchilik qiladi. Bo'lim o'z faoliyatini xalqaro hamkorlik bo'yicha prorektor rahbarligida olib boradi.

### MISSION AND STRATEGIC GOALS

The "TIAME" NRU's mission is to create, improve, disseminate, and implement knowledge to develop advanced scientific and technical potential, provide the economy with highly qualified personnel and researchers, and strengthen the Central Asian image based on integrating science, education, and innovation.

The "TIAME" NRU's strategic goals to form a cluster of advanced scientific, educational, and innovative technologies integrated into the digital economy. Its core is the National Research University, among the world-class research and intellectual centers.

The "TIAME" NRU's long-term vision is to become a world-class national research university with a high academic reputation and leading positions in international rankings, the main characteristics of which are listed below:

- Advanced Research
- High Quality Education
- Innovative Ecosystem
- Expert Personnel

### COOPERATION OF THE "TIAME" NRU WORLDWIDE

Co-authored publications per country/region: 0 1 50 250 >1,000

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### DEGREE PROGRAMS

#### HYDROMELIORATION FACULTY

Bachelor level:

- Water Sector and Land Reclamation (Agricultural Hydrotechnics) (Water Sector Option)
- Irrigation and Drainage (Water Sector Option)
- Hydrology (Water Sector Option)
- Professional Education (Water Sector Option)
- Life and Occupational Safety.

Master level:

- Regional Agriculture and Land Reclamation (Water Sector Option)
- Water Saving Irrigation Technologies (Water Sector Option)
- Water Resources Planning and Management (Water Sector Option)
- Hydraulics and Engineering Hydrologic Automatic Technologies and Sustainable Development (Hydraulic and Water Sector Option)

#### HYDROTECHNICAL CONSTRUCTION FACULTY

Bachelor level:

- Hydrotechnical Construction (Water Sector Option)
- Operation and Maintenance Of Hydraulic Facilities and Pumping Stations (Water Sector Option)
- Hydroelectric Facilities in Irrigation Systems
- Mechanics and Mathematical Modeling.

Master level:

- Reliability, Safety, Operation, and Maintenance of Hydraulic Facilities, Stations and Devices.
- Operation and Design of Pumping Stations and Devices.
- Engineering Graphics and Design Theory.
- Hydrotechnical Construction (Water Sector Option)
- Organization and Technology of Construction of Hydraulic Facilities.

#### FACULTY OF LAND RESOURCES AND CADASTER

Bachelor level:

- Professional Education (Land Cadaster and Land Management)
- Geodesy and Cartography.
- Technical Surveying in Remote Sensing of The Earth.
- Cartography (By Type of Activity)
- Land Resources Management and Cadastre.

Master level:

- Land Resources Management.
- Geodesy and Cartography.

#### FACULTY OF ENERGY

Bachelor level:

- Electric Power Industry (By Sectors and Disciplines)
- Technical Examination and Marketing of Equipment and Technologies (Electrical and Electronic Equipment)
- Energy Safety (Agriculture and Water Sector Option)
- Alternative Energy Sources.
- Materials Science and New Materials Technologies (Semiconductors and Laser Technologies Option)

Master level:

- Mini and Micro Hydroelectric Power Plants.
- Electrical Safety (Water Sector Option)
- Hydroelectricity.
- Energy Conservation and Energy Audit (Water Sector Option)
- Alternative Energy Sources (Renewable Energy Sources)
- Automation of Technical Processes and Production (Water Sector Option)
- Energy Safety (Agriculture and Water Sector Option)
- Small Hydropower Systems and Devices (Water Sector Option)

#### AGRICULTURAL MECHANIZATION FACULTY

Bachelor level:

- Machinery, Standardization and Product Quality Management (Water Sector Option)
- Agricultural Mechanization.
- Technical Service (Agriculture and Water Sector Option)
- Application of Innovative Techniques and Technologies in Agriculture.
- Technology of Primary Processing and Storage of Agricultural Products (Vegetables and Fruit Option)

Master level:

- Agricultural Mechanization.

### HISTORY OF FORMATION AND DEVELOPMENT

IN UZBEKISTAN	IN ASIA	IN THE WORLD
1 National Academy of Sciences of the Republic of Uzbekistan	246 28 Asia	3514 65 World
1 1st State University of Uzbekistan	316 3rd Asia	4514 72 World
1 Institute of Engineering of the Republic of Uzbekistan	9 1st Asia	8014 102 World
7 7th State University of Uzbekistan	4 4th Asia	10017 116 World
		503 6 World

The "Tashkent Institute of Irrigation and Agricultural Mechanization Engineers" National Research University ("TIAME" NRU) is a first-class regionally recognized academic and research university known for its top programs in engineering (irrigation, water resources, environment, electrification and automation, agricultural mechanization), land management and agricultural economics management & marketing with an almost 100-year traditions.

1923 Engineering, meliorative faculty within the Tashkent State University

1934 Tashkent Institute of Irrigation and Melioration

2004 Transformation in TIAME. Development of the institute, focused on international standards

2021 New Status "Tashkent Institute of Irrigation and Agricultural Mechanization Engineering" National Research University

Bugungi kunda TIQXMMI'da xorijiy xamkorlar bilan tuzilgan va ayni paytda amalda bo'lgan jami 87 ta shartnoma va memorandumlar mavjud bo'lib, ular Evropaning etakchi mamlakatlari, AQSh, Rossiya, Osiyoning rivojlangan davlatlari va Markaziy Osiyo mamlakatlaridagi ilg'or muassasalar bilan tuzilgan. Hozirda TIQXMMI'da umumiy qiymati 1 mlrd AQSh dollari va 700 mln Evroga yaqin bo'lgan jami 23 ta xalqaro loyihalar amalga oshirilmoqda. TIQXMMI'da 4 ta mutaxassislik bo'yicha ikki tomonlama diplom beruvchi xalqaro qo'shma magistratura va xalqaro qo'shma doktorantura faoliyat ko'rsatmoqda. Shuningdek, xar yili xorijning etakchi universitetlaridan 30 nafardan ortiq professorlari institut o'quv va

ilmiy jarayoniga jalb etilgan. Institutda Xitoy, Qirg'iziston, Turkmaniston, Tojikiston, Qozog'iston, Rossiya, Germaniya, Kolumbiya, Afg'oniston Janubiy Koreya kabi mamlakatlardan talabalar tahsil olmoqdalar. Har yili institutning 100 nafardan ortiq professor o'qituvchi va talabalar rivojlangan mamlakatlarning universitet va tashkilotlariga malaka oshirish hamda stajirovka o'tab kelishlari tashkil etilmoqda.