



**Rauza Turpanova**

Associate Professor

**Contact information:**

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**Professional experience:**

2003-present - Associate Professor, Department of Microbiology and Biotechnology.

2000-2002 - Assistant Professor, Department of Plant Physiology and Biotechnology ATU them. S.Seifullin Astana.

1998-2000 - Senior Researcher, Laboratory of Cell Engineering, Institute of Plant Physiology and Bioengineering, Almaty.

1993-1998 - Senior Researcher, Laboratory of Cell Engineering KazRIPVF Almaty.

1990-1993 - Fellowship at KazNSRCVP, M.A Aitkhozhin Institute of Molecular Biology and Biochemistry.

1988-1990 - Researcher, Laboratory of Cell Engineering KazNSRCVP Almaty

**Scientific degree, title, scientific school:**

Candidate of Agricultural Sciences. KazGU. Al-Farabi. Faculty of Biology. KazNIIKH. Institute of Molecular Biology and Biochemistry named after M.A. Aitkhozhin. Institute of Biology and Biotechnology of NAS RK.

**Scientific interests:**

Cellular selection of plants, cell engineering of plants, genetic engineering of plants, micropropagation Technology, Engineering enzymology, Methods for analysis of biopolymers

**Research Grants:**

2009-2011. Research program MES "Development and use of genetic engineering and stem cell technologies in medicine, agriculture, environmental protection, food processing industry for years." " Methods for isolating and using osmoprotektanta to improve seed germination of halophytes accumulating NaCl saline conditions ";

2012-2013, the scientific and technical program MES "The title of university science -oriented innovative result" ENU . LN ENU Project Manager: " Development of production technology of domestic elite seed potatoes resistant to biotic factors through biotechnology."

**Delivered courses:**

Plant biotechnology (B), Genetic engineering of plants (B), Fundamentals of biotechnology (B), Objects of biotechnology (B), Fundamentals of biotechnology (B)

**Author's courses:**

Micropropagation technology (B). Organization of scientific research (B), Methods of scientific research (M).

**Publications (selected):**

Turpanova R.M., Gadzhimuradova A.M., Ismukanova G. Zh. "Biotechnological aspects of microclonal reproduction and improvement of potatoes". Nursultan. 2019. From "Master Po" LLP. ISBN 978-601-326-357-1.

**Awards:**

Diploma of ENU Rector for achievements in educational activities.

**Publications (favorites):**

1. Turpanova R. M., Elzada Zh. G., Utegalieva R., Sonam K. Zh., Asanov A. R., and others. Monitoring of food products for the presence of GMOs. Materials of the IV International Scientific-Practical conference «Integrazion of the Global Challenges of Our Time» Sapporo (Japan). Volume 1, 2019.-S. 169-174.
2. Turpanova R. M., gadzhimuradova A. M, kirghizova I. V., Kaliev N. B. Mathematical modeling of the dynamics of growth processes of regenerating plants of potato varieties of Kazakhstan selection "Alliance", "Babaev" and "Narli" in in vitro conditions based on dynamic models of series processing. Bulletin of the L. N. Gumilyov ENU. Issue # 1 (122), Astana. 2018. - P. 33-40.
3. Turpanova R. M., Elshibaev M., Siman K. Zh., Yskak K., Utegalieva R. S., Asenov A. R. Biotechnological aspects of mass replication of potatoes in culture in vitro. Materials of the V International scientific and practical conference "Science and education in the modern world: challenges of the XXI century".Nur-Sultan. 2019



