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Doctor in Biological Science
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Education

1980. Russian Academy of Sciences, Institute of Cytology, St. Petersburg, Russia. Academic Degree - Doctor in Biological Science. Specialty–Genetics.

1968. Ivane Javakhishvili Tbilisi State University, Georgia. Academic Degree - Candidate of Science Biology (PhD in Biology). Specialty–Genetics.

Work Experience

2003–since. Head of Division of Genetics, Full Professor. Department of Biology, Division of Genetics. Ivane Javakhishvili Tbilisi State University.

1975–2003. Head of Department of Genetics, Professor. Ivane Javakhishvili Tbilisi State University.

1969–1975. Head of Laboratory of Genetics. Tbilisi State Medical Institute

Teaching Courses

Genetics (Biology)
Genetics (Medicine)
Genetics (Stomatology)
Genetics (English)
Ontogenesis and Genetics
Molecular Genetics of cell
Human Genetics with Basis of Medical Genetics

Participation in Grant Projects (Last 5 Year)

2016–2019. Glutathione S-transferase M1 and T1 genes polymorphism associated with antituberculosis drug induced hepatotoxicity in Georgian population. Project Coordinator. SRNSF. DI-2019-39.

2014–2017. Applications of bioregulators and heavy metals to hinder the progress of ductal Breast Cancer. Principal Investigator, Manager. SRNSF. FR/337/7-140/13.

2014–2016. Warfarin dose regulation in cardiovascular diseases patients with CYP2C9 and VKORC1 gene polymorphism. Key Personnel, Group leader. SRNSF 04.20/STCU5890.

2012–2014. Correction of genome by nanopeptides and metal ions to prevent and hinder of hypertrophic cardiomyopathy. Key Personnel, Group leader. SRNSF 09.17/STCU5624.

List of Publications (Last 6 year). Totally – 168

- Genomic variability in Patients with Ductal form of Breast Cancer and the possibility of correction with peptide Bioregulator and Metal ions. Georgian Medical News.(262): 88-92. (2017).
- Epigenetic modification under the influence of peptide bioregulators on "senile" heterochromatin. Experts opinion on current approaches in anti-ageing medicine and gerontology. 71-75. (2017).

- The Host Epigenetics Alterations in Pulmonary Tuberculosis. International Journal of Pharmaceutical Science and health Care. J. Issue 6, V. 3, 39-47. (2016)
- Blood plasma main proteins stability of patients with ductal carcinoma in post-surgery period. Int J ClinExp Med 9(2):1338-1345.(2016).
- The Frequency of CYP2C9 and VKORC1 Gene Polymorphic Alleles in Georgian Population.IICB & IA-E int. conference proceedings. 47-50. ISBN 978-93-84468-48-4. (2016).
- Frequency of Polymorphism of VKORC1 and CYP2C9 Genes in two Regions of Georgia. Georgian Med News. (250):46-51. (2016).
- Epigenetic Regulation of "Age" Heterochromatin by Peptide Bioregulator Cortagen. Int J Pept Res and Ther. DOI 10.1007/s10989-014-9443-7. (2015).
- Thermal stability of blood plasma proteins of breast cancer patients, DSC study. J ThermAnal Calorim. DOI 10,1007/s10973-015-4426-2. (2015).
- Genomic instability in atherosclerosis. Georgian Med News. Nov;(236):82-86. (2014).
- Effect of peptide bioregulator and cobalt ions on the activity of NORS and associations of acrocentric chromosomes in lymphocytes of patients with hypertrophic cardiomyopathy and their relatives. Geo. med. News. 9(234), 134-137. (2014).
- Functional regulation of genome with peptide bioregulators by hypertrophic cardiomyopathy (by patients and relatives). Geo. med. News. (225):94-7. (2013).
- Genome instability in pulmonary tuberculosis before and after treatment.Georgian Medical News,(2013) 224:77-81.
- Deheterochromatinization of the chromatin in old age induced by oligopeptide bioregulator (Lys-Glu-Asp-Pro). Geo. med. News. (212):76-82. (2012).
- Influence of tetrapeptide on chromatin thermostability.Geo. med. News. (194):64-6.(2011).
- Remodeling of heterochromatin induced by heavy metals in extreme old age. Age (Dordr). Sep;33(3):433-8. (2011).
- Gerontology research in Georgia. Biogerontology. Apr;12(2):87-91. (2011).

Editorial Board Member of Journals:

- Georgian Medical News;
- Austin Journal of Genetics and Genomic Research“ (NJ,USA);
- Jacobs Journal of Gerontology (Texas,USA)
- Peertechz Journal of Gerontology and Geriatric Research (India)
- Edition “Inter ging” and Journal of DeutscherWissenschaftsherold” (German)
- Journal “Biomedicine”(Россия).

Author of Books

“Genetics of Pathologies”, 1993.

“Human Genetics”, universali, 2007.

“Genetics of Cell”, TSU, 2004.

“Medical Genetics with Basis of Molecular Genetics”, TSU, 2011.

“Human Genetics with Basis of Medical Genetics”, TSU, 2017.

Research interest

Human Genetics

Cytogenetic

Genetics of ageing

Medical Genetics

Epigenetic