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Education:

- **University Diploma in Biology (Human and Animal physiology), Iv. Javakhishili Tbilisi State University**
- **Ph.D, in Human and Animal physiology, Iv. Beritashvili Institute of Physiology.**

Teaching Courses:

- **Human and Animal Physiology**
- **Pathophysiology**
- **Electrophysiology**
- **Introduction to Physiology**
- **Physiology (Nervous system)**
- **Physiology (Visceral systems)**

Research Interests:

- **Investigation of learning/memory processes in different animal models of neurodegenerative disorders (epilepsy, schizophrenia, Parkinson's disease)**
- **Investigation of Electrophysiological properties of Hippocampal Neuronal Circuits in rat brain.**

Participation in grant projects:

- **GNSF grant (FR/617/7-270/13 Influence of flavonoids from Georgian endemic grape species "Saperavi" on brain disfunction induced by kainic acid-status epilepticus in rats", 2014-2017.**
- **GNSF grant (№ GNSF 1-6/89) Georgian grapes flavonoids: biochemical specificity and physiological effects, 2010-2013years.**
- **ISTC grant (G - 1318). "Influence of orexinergic system on epileptic activity of the brain", 2006-2010 years.**
- **GNSF grant (N225); "The role of allosteric modulation of metabotropic glutamate receptors (mGluR) in treatment of schizophrenia", 2008-2010 years.**
- **International researcher program SENCER, 2004-2006 years.**
- **ISTC grant (G-780) "Nootropic drugs and epilepsy", 2002-2005 years.**

Selected Publications:

1. Doreulee, N., Qurasbediani, M., Chikovani, M., Bukia, R., **Chkhartishvili, B.**, et al. Influence of flavonoids from Georgian Endemic Grape Species Saperavi on learning/memory characteristics and the number of BrdU – positive cells of the Gyrus Dentatus in the Kainic Acid -Induced Rat Model of Epilepsy”, *Journal of Neurological Disorders*, 2016, 4, 6, 52.
2. Doreulee, N., **Chkhartishvili, B.**, et al. “Early postnatal feeding of rats with Flavonoids from Georgian Endemic Grape Species Saperavi reduce frequency and duration of epileptic activity in the CA1 field of hippocampus”, *Journal of Neurological Disorders* 2016, 4,6,40.
3. Doreulee, N. Kurasbediani, M., Beroashvili, Z., **Chkhartishvili, B.**, et al. The influence of “Saperavi” extract on kainic acid-induced brain dysfunction. III international Symposium “Neuroplasticity: Nervous substrate for health and disease. New approaches for research. pp: 13 Printed by “Globus” Ltd., 2014
3. Doreulee, N., Qurasbediani, M., Alania, M., **Chkhartishvili, B.**, et al., “Oral administration of flavonoids from Georgian endemic grape species Saperavi ameliorates memory deficit associated with kainic acid-induced status epilepticus in laboratory white rats”. *Neuroscience* 2013, 137.
4. Doreulee, N. Alania, M. Kuchukashvili, Z. **Chkhartishvili, B.**, et al. “Influence of flavonoids from Georgian endemic grape species Saperavi on hippocampal-related plasticity. *Neuroscience* 2012.
5. Doreulee N., Alania, M., **Chkhartishvili, B.** Orexin-induced neuroplasticity and epileptogenesis. *ISTC International Scientific Workshop “Neuroplasticity: Nervous substrate for health and disease. pp: 15. Printed by “Globus” Ltd., 2010*
6. Doreulee, N., Alania, M., Chikovani, M., **Chkhartishvili, B.**, Skhirtladze, C. “Orexin-A induces long-term depression of NMDA responses in CA-1 field of hippocampal slices”. *Journal of Georgian Medical News*, 2009; 4(169): 65-70
7. Doreulee, N., Alania, M., Mitaishvili, E., Chikovani, M., **Chkhartishvili, B.** The role of the mGluR allosteric modulation in the NMDA-hypofunction model of schizophrenia. *Georgian Medical News*, 2009; 177: 59-65.
8. Doreulee, N., Lepsveridze, E., Alania, M., **Chkhartishvili, B.** Arterenol inhibits bicuculline-induced multiple discharges in the hippocampus via activation of α - adrenoreceptors. *Georgian J. Neurosci.*, 2005;1(4):33-40.
9. Doreulee, N., Lepsveridze, E., Alania, M., **Chkhartishvili, B.** Inhibition of epileptiform effect of bicuculline by levetiracetam and piracetam in mouse hippocampal slices: the role of adrenergic system. *Georg J. Neurosci*, 2005; 1(4):25-32
10. Akhmetelashvili, A., **Chkhartishvili, B.**, Akhmetelashvili, O., Melkadze, I. Stress effect on the transitory memory. *Proc Georg Aca Sci, Biol Ser.*, 2005; 31(6)
11. Japaridze S.H., von Specht H., **Chkhartishvili, B.**, Begall, K., Hey, M. Gamgebeli, Z., Kevanishvili, Z., Electrically evoked auditory brainstem response in humans: Waveform, parameter peculiarities, gender differences. *Georg J Neurosci.*, 2005; 1(4): 1-11
12. Ormotsadze, N., Sikharulidze, N., **Chkhartishvili, B.**, Khaburdzania, L., Davitashvili, D. Effects of lesion in basal cholinergic nuclei on recognition memory in the rat. *Proc Georg. Acad. Sci, Biol Ser A* 2005; 31(1): 95-100
13. Intskirveli, R., Mgaloblishvili, N., Kobaidze, I., **Chkhartishvili, B.**, Chikovani, M., Glonti, L., Alania, M. Effects of Piracetam on Hippocampal and Neocortical Seizures. *Georgian J Neurosci.*, 2004; 1-3; 61 – 63.
14. Ormotsadze, N., **Chkhartishvili, B.**, Pochkhidze, M., Lepsveridze, E., Tskhovrebadze, L. Checking the ability to perform the spatial reversals in the rats with the lesion of the caudate nuclei. *Proc. Georg. Acad. Sci., Biol. Ser.*, 2001, 27(4-6): 427-434.
15. Muhler, R., Kevanishvili, Z., Peth, J., von Specht, H., **Chkhartishvili, B.** Specificity of Auditory Brainstem and Middle-latency responses to Low Frequency Acoustic Stimuli. *J Georg Med.*, 1997, 1(1):10-26.
16. Ioseliani, T., Intskirveli, R., Mgaloblishvili, N., **Chkhartishvili, B.** The Effects of Amphetamine on Hippocampal and Neocortical Seizure Activity. *Proc. Georg. Acad. Sci., Biol. Ser.*, 1997, 23(1-6): 37-40.