

- **An extensive list of publications**

1. Barbakadze T, Natsvlishvili N., Mikeladze D. Action of thyroid hormones and fisetin on the activation of ERK and Akt protein kinases in PC12 cells. JBPC 2012; 12:4; 155-157
2. Natsvlishvili N., Barbakadze T, Mikeladze D. Integrin thyroid hormone receptor and fisetin regulate the nuclear translocation of FoxO6 transcription factor and c-Rel in PC12 cells. JBPC 2012; 12:4; 152-154
3. Zhuravliova E, Barbakadze T, Zaalishvili E, Chipashvili M, Koshoridze N, Mikeladze D. Social isolation in rats inhibits oxidative metabolism, decreases the content of mitochondrial K-Ras and activates mitochondrial hexokinase. Behav Brain Res. 2009 Dec 28;205(2):377-83.
4. Zhuravliova E, Barbakadze T, Narmania N, Sepashvili M, Mikeladze DG. Hypoinsulinemia alleviates the GRF1/Ras/Akt anti-apoptotic pathway and induces alterations of mitochondrial Ras trafficking in neuronal cells. Neurochem Res. 2009 Jun;34(6):1076-82.
5. Mikeladze D, Zhuravliova E, Barbakadze T., . Ras proteins, nitrosylation and homocysteine metabolism. Georgian Med News. 2008 Sep;(162):30-3.
6. Zhuravliova E, Barbakadze T, Narmania N, Ramsden J, Mikeladze D., Inhibition of nitric oxide synthase and farnesyltransferase change the activities of several transcription factors. J Mol Neurosci. 2007;31(3):281-7.
7. Zhuravliova E, Barbakadze T, Natsvlishvili N, Mikeladze DG. Haloperidol induces neurotoxicity by the NMDA receptor downstream signaling pathway, alternative from glutamate excitotoxicity. Neurochem Int. 2007 Jun;50(7-8):976-82. Epub 2006 Nov 7.
8. Sepashvili M, Zhuravliova E, Barbakadze T, Khundadze M, Narmania N, Mikeladze DG. L-NAME has opposite effects on the productions of S-adenosylhomocysteine and S-adenosylmethionine in V12-H-Ras and M-CR3B-Ras pheochromocytoma cells. Neurochem Res. 2006 Oct;31(10):1205-10. Epub 2006 Sep 27.
9. Narmania N., Zhuravliova E., Barbakadze T., Khundadze M., Mikeladze D. Double modifications of Ras protein change the DNA-binding activities of transcription factors. Proceedings of Georgian Academy of Sciences, Biological Series_A, 2006 , 32(4): 815-821.
10. Sepashvili M., Zhuravliova E., Barbakadze T., Khundadze M. and Mikeladze D. **Oncogenic H-Ras** enhances production of S-adenosylhomocysteine and reduces the level of S-adenosylmethionine in PC12 cells. Proc. Georgian Acad. Sci., Biol. Ser. A, 2006, vol.32.829-834
11. Narmania N., Zhuravliova E., Barbakadze T. and Mikeladze D. Farnesylation and nitrosylation of p21Ras change its intrinsic GTPase activity Journal of Biological Physics and Chemistry 2005, 5: 137–140.
12. Zaalishvili E., Zhuravliova E., Barbakadze T., Mikeladze D. Modifications of Ras alter content of secreted homocysteine by PC-12 cells. Sepashvili M., Proc. Georgian Acad. Sci., Biol. Ser. A, 2005, vol. 31, No. 2. 247-253.
13. Barbakadze T., Zhuravliova E., Narmania N., Sanikidze T., Kekelidze T., Mikeladze D. Effects of guanidine analogs of creatine on the formation of reactive oxygen species and viability of primary neuronal/glial cells. JBPC 2004; 4: 25-32.