

დოქ. ჯამლეთ მონასელიძე

ფიზ. მათ. მეცნიერებათა დოქტორი
მთავარი მეცნიერ-თანამშრომელი
ბიოლოგიური სისტემების ფიზიკის განყოფილების ხელმძღვანელი

ი. ჯავახიშვილის თბილისის სახელმწიფო
უნივერსიტეტის ე. ანდრონიკაშვილის ფიზიკის
ინსტიტუტის ბიოლოგიური სისტემების ფიზიკის
განყოფილება
საქართველო. თბილისი 0177,
მთავარი შენობის ოთახები 210-2012
ტელ.: +995 593 35 44 72
ელფოსტა: Jamlet.monaselidze@tsu.ge



სამეცნიერო ინტერესების სფერო

- დიფერენციალური სკანირებადი კალორიმეტრია
- ბიოლოგიური მაკრომოლეკულებისა და მათი კომპლექსების, უჯრედების, ქსოვილებისა და სხვადასხვა რთული ბიოლოგიური სისტემების შესწავლა კალორიმეტრით
- ონკოლოგიური დაავადებების დიაგნოზი დიფერენციალური სკანირებადი მიკროკალორიმეტრით

განათლება:	1985 ფიზ. მათ. მეცნიერებათა დოქტორი, მოსკოვის სახელმწიფო უნივერსიტეტი
	1973 ფიზ. მათ. მეცნიერებათა კანდიდატი ბიოფიზიკის სპეციალობით, ი. ჯავახიშვილის თბილისის სახელმწიფო უნივერსიტეტი
	1956 - 1961 ფიზიკის ფაკულტეტი, მაგისტრი, ი. ჯავახიშვილის თბილისის სახელმწიფო უნივერსიტეტი
სამუშაო გამოცდილება:	2005-დღემდე. ჯავახიშვილის თბილისის სახელმწიფო უნივერსიტეტის ე. ანდრონიკაშვილის ფიზიკის ინსტიტუტის ბიოლოგიური სისტემების ფიზიკის განყოფილების გამგე, მთავარი მეცნიერ-თანამშრომელი
	1987-2005 ფიზიკის ინსტიტუტის ბიოპოლიმერების თერმოდინამიკის განყოფილების გამგე
	1981-1987 ფიზიკის ინსტიტუტის სამედიცინო ბიოფიზიკის განყოფილების გამგე.
	1975-1981 ფიზიკის ინსტიტუტის ბიოფიზიკის განყოფილების უფროსი მეცნიერ თანამშრომელი
	1971-1975 ფიზიკის ინსტიტუტის ბიოფიზიკის განყოფილების სამეცნიერო ჯგუფის ხელმძღვანელი
	1968-1971 ფიზიკის ინსტიტუტის ბიოფიზიკის განყოფილების უფროსი

მეცნიერ თანამშრომელი
1961-1965 ფიზიკის ინსტიტუტის ბიოფიზიკის განყოფილების უმცროსი
მეცნიერ თანამშრომელი

სამეცნიერო საზოგადოების წევრობა

1981-დღემდე ი. ჯავახიშვილის თბილისის სახელმწიფო უნივერსიტეტის ე. ანდრონიკაშვილის ფიზიკის ინსტიტუტის სამეცნიერო საბჭოს წევრი

პედაგოგიური მოღვაწეობა

- ლექციების კურსი ივანე ჯავახიშვილის თბილისის სახელმწიფო უნივერსიტეტში
- 15 საკანდიდატო და სადოქტორო ნაშრომის ხელმძღვანელი

საერთაშორისო თანამშრომლობა

- Great Dome Associates, US
- St. Petersburg Institute of High Molecular Compounds
- Max-Planck Institute of Experimental Medicine, Department of Chemistry, Göttingen, Germany
- Institute of Biophysics, Budapest Medical University, Hungary
- Institute of Microbiology and Experimental therapy, Jena, Germany
- Belgrade University
- Engelhardt Institute of Molecular Biology, Moscow
- Erevan State University
- Center for Environmental Biotechnology, E.O. Lawrence Berkeley National Laboratory
- Laboratory of Chemical and Biological Dynamics, Katholieke Universiteit Leuven
- Department of Chemical Enzymology, Department of Chemistry, Moscow State University M.V. Lomonosov
- Laboratoire de Chimie Bactérienne, Centre National de la Recherche Scientifique
- Oak Ridge National Laboratory, Oak Ridge, TN, USA
- Oncological Science Centre, Ac. Mad. Sci. Moscow

პატენტები:

- Jamlet MONASELIDZE, Gia NEMSADZE, Maya GORGOSHIDZE. Differential scanning microcalorimeter device for detecting disease and monitoring therapeutic efficacy. (2019) US Patent US20190003995A1, 34 pages. <https://patentimages.storage.googleapis.com/c8/db/1f/5d8bc3effe0d58/US20190003995A1.pdf>
- Jamlet MONASELIDZE, Gia NEMSADZE, Maya GORGOSHIDZE. Canadian patent CA3011444A1, international publishing number WO 2017/122174 A1, 67 pages (2017). <https://patentimages.storage.googleapis.com/e0/de/4e/1d0b82aa7050f2/CA3011444A1.pdf>
- J.R. Monaselidze, I.L. Kalandadze, I.I. Topuridze, M.G. Gadabadze, D.G. Khachidze. "Diagnosis Method of Malignant Tumors", Priority 08.07.94, Patent of Georgia No Ge U 1994 985 U, Tbilisi (1994)
- Г. Маджагаладзе, Дж. Монаселидзе, Р. Чиквашвили "Дифференциальный Микрокалориметр". USSR Patent № 1267175. (1986) (In Russian).
- I.K. Makhataidze, E.L. Andronikashvili, J.R. Monaselidze, N.B. Janimanov, V.D. Kiknadze, M.Sh. Sheklashvili. "Method of Leucosis Diagnosis". Scientific-Research Institute of Hematology and Perfusion and Institute of Physics, GAS. USSR Patent No SU 1172106 A, August 8, 1982 (In Russian).

- N.G. Bakradze, J.R. Monaselidze, K.M. Moistsrapashvili, L.V. Keshelashvili. Institute of Physics, Georgian Academy of Sciences, "Differential Microcalorimeter". USSR Patent No 1005550. November 16, 1982 (In Russian).

პუბლიკაციები

იხილეთ: <https://scholar.google.com/citations?user=IRtxrfcAAAAJ&hl=en&authuser=1>

შერჩეული პუბლიკაციები

1. **Jamlet Monaselidze**, Liana Kikalishvili, Manana Ramishvili, Maya Gorgoshidze, Maya Kiladze. Thermostability of Rat Sarcoma M1 Procollagen Solutions, Procollagen Fibers and Whole Tissues, Journal of Thermal Analysis and Calorimetry, 2020, <https://doi.org/10.1007/s10973-020-09332-4>
2. Teimuraz Lezhava, Tamar Buadze, Tinatin Jokhadze, **Jamlet Monaselidze**, Maia Gaiozishvili, Ketevan Rubanovi, Nana Kiria, Normalization of Epigenetic Change in the Genome by Peptide Bioregulator (Ala–Glu–Asp–Gly) in Pulmonary Tuberculosis. International Journal of Peptide Research and Therapeutics, 2019, Volume 25, Issue 2, pp 555–563. <https://link.springer.com/article/10.1007/s10989-018-9699-4>
3. **J. Monaselidze**, E. Gelagutashvili, N. Bagdavadze, M. Gorgoshidze and E. Lomidze. SIMULTANEOUS EFFECTS OF Cd(II) AND Pb(II) IONS AND γ -IRRADIATION ON STABILITY OF Spirulina platensis. Eur. Chem. Bull. 2019, 8(2), 38-43 DOI: <http://dx.doi.org/10.17628/ecb.2019.8.38-43>
4. **J. Monaselidze**, E. Gelagutashvili, N. Bagdavadze, A. Gongadze, M. Gogebashvili, N. Ivanishvili, M. Gorgoshidze. Effect of γ -Irradiation on Stability of Cyanobacteria Spirulina platensis Intact Cells. J. Pharm. Appl. Chem., 5, No. 2, 189-194 (2019) DOI: 10.18576/jpac/050205, <http://www.naturalspublishing.com/Article.asp?ArtclD=19791>
5. **Jamlet Monaselidze**, Teimuraz Lezhava, Maya Gorgoshidze, Tinatin Jokhadze, Shorena Sharia, Maya Kiladze and Eteri Lomidze. DSC as a Tool for Measuring the Thermodynamic Stability of Total Chromatin in Ductal Carcinoma Lymphocytes. 2018, Book: Differential Scanning Calorimetry: Basics and Applications, Publisher: Nova Science Publishers, Editors: Amy Woods and Lila Chavez, Chapter 3, pp. 79-104, ISBN: 978-1-53613-335-6, <https://novapublishers.com/shop/differential-scanning-calorimetry-basics-and-applications>
6. Teimuraz Lezhava, Tamar Buadze, Tinatin Jokhadze, **Jamlet Monaselidze**, Maia Gaiozishvili, Ketevan Rubanovi, Nana Kiria. Normalization of Epigenetic Change in the Genome by Peptide Bioregulator (Ala–Glu–Asp–Gly) in Pulmonary Tuberculosis. International Journal of Peptide Research and Therapeutics, 2018, pp. 1-9, PMID:28252435 <https://link.springer.com/article/10.1007%2Fs10989-018-9699-4>
7. Eugenie Kiziria, Maya Gorgoshidze, Shota Gogichaishvili, Victor Sokhadze, David Khachidze, Maya Kiladze, Eter Lomidze, Shota Barbakadze, Gennady Tvauri, **Jamlet Monaselidze**. Influence of K⁺ Ions on Thermodynamic Stability of DNA G-Quadruplex. Bulletin of the Georgian Academy of Sciences (2017), V.11, No.2, pp. 42-46, http://science.org.ge/newsite/bnas/t11-n2/07_Kiziria.pdf
8. Jokhadze T, **Monaselidze J**, Nemsadze G, Buadze T, Gaiozishvili M, T Lezhava. GENOMIC VARIABILITY IN PATIENTS WITH DUCTAL FORM OF BREAST CANCER AND THE POSSIBILITY OF CORRECTION THE PEPTIDE BIOREGULATOR AND METAL IONS, Georgian Medical News, 2017, V.11, No.1(262), pp. 88-92, <https://europepmc.org/article/med/28252435>
9. **J. Monaselidze**, Sh. Gogichaishvili, M. Gorgoshidze, V. Bregadze, M. Kiladze, D. Khachidze, N. Gogelia, E. Lomidze and Sh. Barbakadzedoi. The influence of porphyrins ZnTOEPyP4 and MnTOEPyP4 on the binding mode and conformation of A-RNA. Journal of Biological Physics and Chemistry 16 (2016) 65–69. © 2016 Collegium Basilea & AMSI, <https://doi.org/10.4024/20mo15a.jbpc.16.01>

10. Gia Nemsadze, Teimuraz Lezhava, Maya Gorgoshidze, Maya Kiladze, Nestan Gogelia, Davit Khachidze, Eteri Lomidze, **Jamlet Monaselidze**, Blood plasma main proteins stability of patients with ductal carcinoma in post-surgery period, *Int J Clin Exp Med* 2016;9(2):1338-1345, <http://ijcem.com/files/ijcem0018125.pdf>
11. L. Kikalishvili, M. Ramishvili, G. Nemsadze, T. Lezhava, P. Khorava, M. Gorgoshidze, M. Kiladze, **J. Monaselidze**. Thermal stability of blood plasma proteins of breast cancer patients, DSC study. Thermal stability of blood plasma proteins of breast cancer patients, DSC study. *Journal of Thermal Analysis and Calorimetry*. April 2015, Volume 120, Issue 1, pp 501-505, <https://doi.org/10.1007/s10973-015-4426-2>
12. **Jamlet Monaselidze**, Maya Gorgoshidze, David Khachidze, Maya Kiladze, Vasil Bregadze, Eugene Kiziria, Hakob Margaryan & Nune Hakobyan. Conformations of DNA in the presence of nanomole concentrations of Co²⁺ ions and meso-tetra(4-N-oxethylpyridil) porphyrin. *Journal of Biomolecular Structure and Dynamics*, Volume 33, Issue 2, pp 267-273 2015, DOI: 10.1080/07391102.2013.873001, <http://www.tandfonline.com/eprint/TglrPj7QBBFvnJ7qyvZE/full#.Ut5VRtJfrcs>
13. Lezhava T, **Monaselidze J**, Jokhadze T, Gaiozhishvili M. Epigenetic regulation of "Aged" heterochromatin by peptide bioregulator Cortagen. *International Journal of Peptide Research and Therapeutics*. 2014, DOI 10.1007/s10989-014-9443-7, <http://link.springer.com/article/10.1007%2Fs10989-014-9443-7>
14. **Jamlet Monaselidze**, Maya Gorgoshidze, David Khachidze, Maya Kiladze, Vasil Bregadze, Eugene Kiziria, Hakob Margaryan, Nune Hakobyan; Zn Ions Change Binding Mode of TOEPyP4 with DNA and Cause DNA Transition from B to C and Zn-Like Conformations, *American Journal of Analytical Chemistry*, 2013, 4, 744-748, <http://dx.doi.org/10.4236/ajac.2013.412090>
15. **J. Monaselidze**, T. Tevdoradze, M. Zibzibadze, M. Alibegashvili, L. Ramishvili, M. Gordeziani and N. Kotrikadze "The study of blood serum proteins in patients with mammary gland tumours" *Journal of Biological Physics and Chemistry*, vol.1, pp. 19–22, 2012, <http://www.amsi.ge/jbpc/11212/12-1-abs3.htm>
16. **J. Monaselidze**, E. Kiziria, M. Gorgoshidze, D. Khachidze, M. Kiladze, E. Lomidze, H. Margaryan and N. Hakobyan, "CD and DSC Investigation of Individual and Complex Influence of Meso-Tetra(4-Oxiethylpyridil) Porphyrin (TOEPyP4) and Its Zn-Complex on DNA," *American Journal of Analytical Chemistry*, Vol. 3 No. 10, 2012, pp. 698-703. <http://www.scirp.org/journal/PaperInformation.aspx?paperID=23623>
17. Teimuraz A. Lezhava, Tinatin A. Jokhadze and **Jamlet R. Monaselidze**. The Functioning of "Aged" Heterochromatin. *Senescence*, 2012, ISBN: 978-953-51-0144-4, http://cdn.intechopen.com/pdfs/30057/InTech-The_functioning_of_aged_heterochromatin.pdf
18. **Monaselidze**, Jamlet R.; Kiladze, Maya T.; Gorgoshidze, Maya Z.; Khachidze, David G.; Bregadze, Vasil G.; Lomidze, Eteri M.; Lezhava, Theimuraz A. Microcalorimetric study of DNA–Cu(II)TOEPyP(4) porphyrin complex. *Journal of Thermal Analysis and Calorimetry*, ISSN: 1388-6150, Volume: 108, Issue: 1, Date: 2012-03-01, Pages: 127-131, <https://doi.org/10.1007/s10973-011-1669-4>
19. T. Lezhava, **J. Monaselidze**, T. Jokhadze, M. Gorgoshidze, M. Kiladze, M. Gaiozhishvili. Remodeling of heterochromatin induced by heavy metals in extreme old age. *AGE*, 33:433-438, 2011, <https://dx.doi.org/10.1007%2Fs11357-010-9185-1>
20. **Monaselidze, J.** Khavinson, V. Gorgoshidze, M. Khachidze, D. Lomidze, E. Jokhadze, T. Lezhava, T. Effect of the Peptide Bronchogen (Ala-Asp-Glu-Leu) on DNA Thermostability. *Bulletin of Experimental Biology and Medicine*, Volume 150, Number 3, January 2011, pp. 375-377(3), <https://doi.org/10.1007/s10517-011-1146-x>
21. **Monaselidze J.**, Lezhava T., Nemsadze G., Kikalishvili L., Ramishvili M. Extracellular Matrix Thermostability of Breast Gland Carcinoma. *Georgian Medical News*, N6(195), 2011, pp. 88-91. <https://www.ncbi.nlm.nih.gov/pubmed/21778550>

22. **J. Monaselidze**, G. Nemsadze, L. Kikalishvili, M. Gorgoshidze, D. Khachidze, M. Kiladze, E. Lomidze, M. Ramishvili. Chromatin Thermostability in Breast Carcinoma Tissue Composition. Bulletin of the Georgian Academy of Sciences, V.5, No.2, pp. 81-84, 2011, <http://science.org.ge/old/moambe/5-2/92-95%20Monaselidze.pdf>
23. **Jamlet R. Monaselidze**, Maya T. Kiladze, Maya Z. Gorgoshidze, David G. Khachidze, Vasil G. Bregadze, Eteri M. Lomidze and Theimuraz A. Lezhava. Microcalorimetric Study of DNA-Cu(II)TOEPyP4 Porphyrin Complex. Journal of Thermal Analysis and Calorimetry DOI: 10.1007/s10973-011-1669-4, 2011, <http://www.springerlink.com/content/g3241hj42h0173j7/>
24. **Monaselidze J.R.**, Gorgoshidze M.Z., Jokhadze T.A., Gaiozishvili M, Lezhava T.A. INFLUENCE OF TETRAPEPTIDE ON CHROMATIN THERMOSTABILITY. Georgian Medical News, N5(194):68-70, 2011, <https://www.ncbi.nlm.nih.gov/pubmed/21685526>
25. **J. Monaselidze**, D. Khachidze, M. Gorgoshidze, M. Kiladze and E. Lomidze. Thermal characteristics of the blood of children with bronchopneumonia: a DSC study. Journal of Biological Physics and Chemistry, V.11 (1), 26-29, 2011, <https://www.amsi.ge/jbpc/11111/11-1-abs4.htm>
26. Lezhava T, **Monaselidze J**, Jokhadze T, Kakauridze N, Khodeli N, Rogava M, Bochorishvili T, Gorgoshidze M, Khachidze D, Lomidze E, Tkemaladze J, Chichinadze K, Koridze M, Khukhuneishvili R, Zosidze N, Nagervadze M, Buadze T, Gaiozishvili M. Gerontology research in Georgia. Biogerontology. 12, 2, (2011), <https://dx.doi.org/10.1007%2Fs10522-010-9283-6>
27. Teimuraz Lezhava, **Jamlet Monaselidze** and Tina Jokhadze, Heterochromatin and Aging. BMC Cell Biology, http://www.biomedcentral.com/imedia/1634282982479503_article.pdf
28. **Монаселидзе Дж.Р.**, Хавинсон В.Х., Горгошидзе М.З., Хачидзе Д.Г., Ломидзе Э.М., Джохадзе Т.А., Лежава Т.А. "Влияние пептида бронхогена (Ala-Asp-Glu-Leu) на термостабильность ДНК". БЮЛЛЕТЕНЬ ЭКСПЕРИМЕНТАЛЬНОЙ БИОЛОГИИ И МЕДИЦИНЫ, 2010 г., Том 150, № 9 СЕНТЯБРЬ, 344-347, <http://www.fesmu.ru/elib/Article.aspx?id=228087>
29. **Jamlet R. Monaselidze**, Maya T. Kiladze, Maya Z. Gorgoshidze, David G. Khachidze, Eteri M. Lomidze. "Influence of Nano- and Microgram Quantities of Anticarcinogenic Porphyrin Cu(II)TOEPyP(4) on DNA Thermostability in vitro." Georgian Medical News, Tbilisi – New Yourk, www.geomednews.org, www.viniti.ru, v.10, 45-49 (2009)
30. **J.R. Monaselidze**, S.V. Barbakadze, M.T. Kiladze, M.Z. Gorgoshidze, D.G. Khachidze and G.V. Majagaladze, "Binding mechanism of the anticarcinogenic metalloporphyrin Cu(II)TOEPyP(4) to DNA in vitro." JBPC, vol. 9, issue 3, pp. 127-129 (2009)
31. Kiladze M., Gorgoshidze M., **Monaselidze J.**, Jokhadze T, Lezhava T. "Microcalorimetric Study of Human Blood Lymphocytes Culture at Presence of Cupper, Cadmium and Prostomax". Georgian Medical News, Tbilisi – New Yourk, No.3, Iss.168, pp. 104-107 (2009), <https://www.ncbi.nlm.nih.gov/pubmed/19359734>
32. **Monaselidze J**, Kiladze M, Gorgoshidze M, Khachidze D, Lomidze E. Influence of anticarcinogenic metalloporphyrin Cu(II)TOEPyP(4) on DNA thermostability in vitro. Georgian Med News. 2009 Oct;(175):57-9. <https://www.ncbi.nlm.nih.gov/pubmed/19893128>
33. **J. Monaselidze**, Sh. Barbakadze, M. Kiladze Z. Kuchadze, T. Lezhava. "Thermodynamic Properties of Blood Plasma of Patient Suffering From Atherosclerosis". Georgian Med. News, Tbilisi – New Yourk, Iss.:162, p. 19-23 (2008), <https://www.ncbi.nlm.nih.gov/pubmed/18830024>
34. **J. Monaselidze**, Sh. Barbakadze, M. Gorgoshidze, T. Lezhava, T. Jokhadze. "The Microcalorimetric Investigation of Cellular Suspensions of Blood Lymphocytes from Healthily and Suffering from Atherosclerosis Individuals". Georgian Med. News, Tbilisi – New Yourk, Iss.162, 15-8 (2008), <https://www.ncbi.nlm.nih.gov/pubmed/18830023>
35. **J. Monaselidze**, G. Majagaladze, Sh. Barbakadze, D. Khachidze, M. Gorgoshidze, Y. Kalandadze, S. Haroutiunian, Y. Dalyan, V. Vardanyan. "Microcalorimetric Investigation of

DNA, Poly(Da)Poly(Dt) and Poly[D(A-C)]Poly[D(G-T)] Melting in the Presence of Water Soluble (Meso Tetra (4 N Oxyethylpyridyl) Porphyrin) and its Zn Complex". J. Biomol. Struct. Dyn., 25 Iss.4, 419-424 (2008), <https://doi.org/10.1080/07391102.2008.10507190>

36. **Jamlet R. Monaselidze**, Vasil G. Bregadze, Shota V. Barbakadze, Giorgi V. Majagaladze, David G. Khachidze, Maya T. Kiladze, Zviad G. Kuchadze. "Influence of Metal Ions on Thermodynamic Stability of Leukemic DNA in vivo. Microcalorimetric Investigation." Metal Ions in Biology and Medicine. Vol 10, Eds Ph. Collery, I. Mymard, T. Theophonides, L. Khassanova, T. Collery. John Libbey Eurotext, Pris. 2008 v.10, p. 451-457. (2008).
37. Teimuraz A. Lezhava, Tina A. Jokhadze, **Jamlet R. Monaselidze**, "Decondensation of chromosomes heterochromatinization regions by effect of heavy metals and bioregulators in cultured lymphocytes from old individuals." Metal Ions in Biology and Medicine. Vol 10, Eds Ph. Collery, I. Mymard, T. Theophonides, L. Khassanova, T. Collery. John Libbey Eurotext, Pris. 2008 v.10, p. 569-576. (2008)
38. Jamlet Monaselidze, Maya Kiladze, David Tananashvili, Shota Barbakadze, Archil Naskidashvili, Anna Khizanishvili, Rati Kvavadze, and Gogi Majagaladze. "Free and Bound Water Influence On Spirulina Platensis Survival". Journal of Thermal Analysis and Calorimetry, vol. 84, 3, p. 613-618 (2006). <https://doi.org/10.1007/s10973-005-7023-y>
39. J. Monaselidze, M. Abuladze, N. Asatiani, E. Kiziria, Sh. Barbakadze, G. Majagaladze, M. Iobadze, L. Tabatadze, Hoi-Ying Holman, N. Sapojnikova. "Characterization of Chromium-induced Apoptosis in Cultured Mammalian Cells. A Different Scanning Calorimetry Study". Thermochemia Acta, v. 441, 8-15 (2006). <https://doi.org/10.1016/j.tca.2005.11.025>
40. T. Lezhava, V. Khavinson, J. Monaselidze, T. Dzhokhadze, N. Dvalishvili, N. Bablishvili, Sh. Barbakadze. "Bioregulator Vilon-induced reactivation of chromatin in cultured lymphocytes from old people". Biogerontology, v. 4, 73-79, (2004), <https://doi.org/10.1023/B:BGEN.0000025070.90330.7f>
41. V. Khavison, T. Lezhava, J. Monaselidze, T. Dzhokhadze, N. Dvalishvili, and K. Bablishvili. "Peptide Epitalon Activates Chromatin at the Old Age". Neuroendocrinol. Lett. 4: 24: 329-333, (2003), <https://www.ncbi.nlm.nih.gov/pubmed/14647006>
42. L. Topchishvili, Sh. Barbakadze, A. Khizanishvili, G. Majagaladze and J. Monaselidze. "Microcalorimetric Study of Iodized and Noniodized Cells and C-Phycocyanin of Spirulina platensis". Biomacromolecules. v. 3, № 3, 415-420 (2002), <https://doi.org/10.1021/bm0155928>
43. J. Monaselidze, Sh. Barbakadze, Sh. Kvirikashvili, G. Majagaladze, D. Khachidze, L. Topchishvili. "Thermal Characteristics of Spirulina Platensis Cells Under Non-growing Conditions at Various Values pH Medium". Biomacromolecules. v. 3, №. 4, 783-786, (2002), <https://doi.org/10.1021/bm025521o>
44. J. Monaselidze Ya. Kalandadze, D. Khachidze. "Microcalorimetric Investigation Of Influence Of Cancerogenic And Anticarcinogenic Compounds On Nuclear Chromatin Of Tumor Cells". Journal of Thermal Analysis, vol. 46, 431-440 (1996)
45. P. Privalov, J. Monaselidze, G. Mrevlishvili. "Intramolecular Heat of Fusion of Macromolecules". Sov. Phys. JETP-USSR. v. 20. pp. 1393-1395. (1965), https://www.researchgate.net/publication/267863447_Intramolecular_Heat_of_Fusion_of_Macromolecules
46. П. Привалов, Д. Монаселидзе "Автоматический Адиабатический Дифференциальный Микрокалориметр Для Исследования Структурных Переходов В Макромолекулах". Приборы и техника эксперимента, ноябрь-декабрь, ст. 174-178 (1965)
47. П. Привалов, К. Кафиани, Д. Монаселидзе "Исследование Тепловой Денатурации Днк С Помощью Адиабатного Микрокалориметра". Биофизика, т. 156(4), с. 951-953 (1964).

შერჩეული ბოლოდროინდელი სამეცნიერო ფორუმები/კონფერენციები

1. Lezhava T, Jokhafze T., **Monaselidze J.** Genetic modification under the influence of peptide bioregulators on “senile” heterochromatin. *International symposiums, Geneva, Switzerland, 27 May 2017.* Gerontipogy2017.com
2. **Jamlet Monaselidze**, Tengiz Jaliashvili. Molecular chaperone use 4th phase of water for fold & refold stress denatured proteins. 3 – 5 October 2016, an international conference “Water Conference” was held in Bulgaria
3. N. Sapojnikova, **J. Monaselidze**, G. Nemsadze, N. Asatiani, M. Abuladze, T. Kartvelishvili, L. Asanishvili, I. Kalandadze, M. Gorgoshidze, D. Khachidze, M. Kiladze, E. Lomidze, N. Gogelia, Sh. Barbakadze Monitoring of biomarkers by biochemical and thermodynamic approaches. The First SDSU – Georgia STEM WORKSHOP on Nanotechnology and Environmental Sciences, September 5 2015, Tbilisi, Georgia.
https://www.tsu.ge/data/file_db/faculty_zust_sabunebismetk/TOTAL-final-2.pdf
4. Nestan Gogelia, Irakli Lomidze, Tinatin Tvauri, Maya Gorgoshidze, **Jamlet Monaselidze**, Mikheilo Gadabadze. Differential Scanning Calorimetry as a New Method of Detection of Cancer and Non-Cancer Diseases on the Basis of Human Plasma Monitoring. Disordered and Ordered Materials Analysis and Characterization – DOM2015, International Symposium and Young Scientist School 24-30 September 2015, Yerevan, Armenia
5. **Jamlet Monaselidze**, Hakob Margaryan, Maya Gorgoshidze, David Khachidze, Maya Kiladze, Shota Gogichaishvili. Influence of ZnTOEPyP4 and MnTOEPyP4 on the Binding Mode and conformation of rRNA and GGG(TGGG)3-Quadruplex. Disordered and Ordered Materials Analysis and Characterization - DOM2015. International Symposium and Young Scientist School 24-30 September 2015, Yerevan, Armenia
6. Lezhava T, Jokhadze T, **Monaselidze J.** Epigenetic modify of “Aged” heterochromatin in old age. 20th International Chromosome Conference, 1st-4th September 2014, University of Kent, Canterbury, UK
7. **J. Monaselidze**, T. Lezhava, N. Sigua. Microcalorimetric Study of Embryo Cell Chromatin. International Conference, Physical Concepts of Nucleic-Acid Structure and Behavior, funded by VolkswagenStiftung, the state Committee of Science (Armenia) and ICTP network NET68, 27-29 May, 2013, Yerevan, Armenia, pp. 6-7
8. **J. Monaselidze**, M. Gorgoshidze, D. Khachidze, E. Lomidze, Sh. Barbakadze. Thermostability of chromatin and extracellular matrix in breast cancer tissue composition. International Conference, Physical Concepts of Nucleic-Acid Structure and Behavior, funded by VolkswagenStiftung, the state Committee of Science (Armenia) and ICTP network NET68, 27-29 May, 2013, Yerevan, Armenia, p.29.
9. Lezhava Teimuraz, **J. Monaselidze** and T. Jokhadze. “Nanopeptide bioregulators induce reactivation of “Aged” heterochromatin” 1st Biotechnology World Congress, February 14-15, 2012, Dubai, U.A.E. Current Pharmaceutical Biotechnology
10. **J. Monaselidze**, D. Khachidze, Z. Kuchadze, G. Tvauri, Sh. Barbakadze, I. Topuridze, M. Gadabadze. Thermal Stability of Blood Plasma Main Proteins of Cancer Patients. International Scientific Conference on Physical Research Methods in Medicine, Tbilisi, Proceedings I, pp. 181-183, 2011
11. **J. Monaselidze**, T. Lezhava, D. Khachidze, M. Gorgoshidze, M. Kiladze, E. Lomidze, G. Tvauri, Sh. Barbakadze, L. Kikaleishvili, M. Ramishvili, G. Nemsadze. The Possibilities of DSC in Breast Cancer Study and Diagnostics. International Scientific Conference on Physical Research Methods in Medicine, Tbilisi, Proceedings I, pp. 177-180, 2011
12. Vasil G. Bregadze, Zaza G. Melikishvili, Tamar G. Giorgadze, **Jamlet R. Monaselidze**, Zaza V. Jaliashvili, Temur B. Khuskivadze. Interaction of Silver Nanoparticles with DNA and

Point Defects. International Scientific Conference on Physical Research Methods in Medicine, Tbilisi, Proceedings I, pp. 27-31, 2011

- 13. Jamlet R. Monaselidze**, Maya T. Kiladze, Maya Z. Gorgoshidze, David G. Khachidze The influence of Cu(II)TOEPyP(4) Porphyrin on Thermodynamic Stability of DNA .International Symposium of Solvation and Ionic Effects in biomolecular Recognition: Theory to Experiment, Tsakhkadzor, Armenia, Post-29, Abstracts, p. 34 (2010).
- 14. J.Monaselidze**, M.Kiladze, M.Gorgoshidze, Sh.Barbakadze, I.Mesropyan “Thermodynamic Characteristics of Collagen in Composition of Pathologic Tissues” FEBS course Analysis and Engineering of Biomolecular Systems”, Spetses, Greece 11-17 September (2010)
- 15. J. Monaselidze**, E. Esipova, M. Gorgoshidze, I. Mesropyan. Thermodynamic Characteristics of Collagen in pathological Tissues. Poster, “Biophysics and the Challenges of Emerging Threats”, International Meeting of Biological Magnetic Resonance, Erice, Italy, 19-30 June (2007)