Susanna Tiratsuyan

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RESEARCH INTERESTS	Biochemistry, Biophysics, Computational Biology, Bioinformatics	
DATE OF BIRTH	14 March, 1953	
ACADEMIC DEGREE	**Candidate of Biological sciences**, PhD theme: "Effect of gibberellin and other biological active substances on a chromatin and activity of some germinating wheat germs enzymes" 4th of July, 1984, YSU council	1984
EDUCATION	**PhD student of Yerevan State University**, Biological Faculty, Department of Biophysics.	1976-1980
	Yerevan State University, Biological Faculty, Department of Biophysics, Diploma of Honor, Yerevan	1970-1975
PROFESSIONAL EXPERIENCE	**Associate Professor** Russian-Armenian University, Medical Biochemistry and Biotechnology	2008-
	Assistant Yerevan State University, Biological Faculty, Department of Biophysics.	2007-
	Senior scientific researcher Group of "Molecular Biophysics Laboratory" in Yerevan State University, Biological Faculty, Department of Biophysics.	1975-
	Charencavan Institute of amino acid	1975-1977
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RESEARCH GRANTS & AWARDS	• Research grant of Ministry of Education and Science of the Republic of Armenia, State Committee of Science: No 10-2/I-1, "Computer-biological studies of combined effects of active compounds of natural origin, drugs, nanoparticles, complexes for application in biomedicine" 2022-2023.	2022-23

• **N 10-2/I-4,"Investigation of DNA changes in various structures during ontogenesis and under the influence of biologically active natural compounds."**	
• Susanna Tiratsuyan, PI, Faculty Research Funding Program implemented by Enterprise Incubator Foundation (EIF) with support of PMI Science, 2020-2021.	2021-22 2021
• **Susanna Tiratsuyan, PI, Research Grant ANSEF NS Molbio -2521 from The Armenian National Science and Education Fund (ANSEF), 2021-2022.**	2021-2023
• **Scientific supervisor and consultant, Research Grant NS-molbio-2246 from The Armenian National Science and Education Fund (ANSEF)**	2021
21T-1F243 Biogenic nanoparticles and their complexes as strategic healthcare approaches for modern solutions to the problems of multidrug resistance	2021-2024
21APP-1F010 "Design of nano- and microscale structures of the "core-shell" type for use theranostics of diseases"	2021-2023
• **Scientific supervisor and consultant, Ginosyan S., PI, Research Grant NS-molbio-2246 from The Armenian National Science and Education Fund (ANSEF), 2020-2021.**	2020-2021
• **Ginosyan S., PhD Support Program implemented by Enterprise Incubator Foundation (EIF) with support of Philip Morris International (PMI) Science, 2019-2020**	2019-2020
• ***Superviser of scientific group IKAR , grant number 10-2/23-I/RAU-BIOL***	2019-2023
• Certificate of Honor Best Teacher of the Year RAU	2019
• **Tiratsuyan S. - co-chair SECTION S5-1 Biophysics, Health Informatics and Cellular and Tissue Engineering 4th INTERNATIONAL CONFERENCE on Nanotechnologies and Biomedical Engineering September 18-21, 2019, Chisinau, Republic of Moldova**	2019
• **Supervisor of the research grant of Ministry of Education and Science of the Republic of Armenia, State Committee of Science: 10-2/I-4, Government budget financing theme:** "Study of changes in different DNA structures during ontogenesis and under influence of different natural biological active compounds"	2017-

	• **GPU Grant from NVIDIA's Academic Program: NVIDIA Titan Xp**	2018
	• NS-molbio-4904 **from The Armenian National Science and Education Fund (ANSEF)** Title: Struct**Scientific supervisor and consultant, Research Grant** ure Based Virtual Screening: Identification of novel Quorum-Sensing inhibitors of antibiotic resistant human pathogen *Pseudomonas aeruginosa*	2018
	Senior scientist of the research grant of Ministry of Education and Science of the Republic of Armenia, State Committee of Science: 10-2/I-4, Government budget financing theme: "Study of changes in different DNA structures during ontogenesis and under influence of different natural biological active compounds"	2011-2017
	• **TEMPUS Biomedical Engineering Education Initiative in Easter Neighboring Area (BME-ENA)**	2014-2017
	Involved in Armenian National Science and Educational Fundation (ANSEF) Grant Programme (NS-82), Supervisor Dr., Prof. H. Vardapetyan, Yerevan, Armenia	2003
	• **One-off Soros grant**	1993
LIST OF RECENT PUBLICATIONS	. Tiratsuyan, S., Hambardzumyan, Y., Poghosyan, M., Danielyan, M., Hovhannisyan, A. *In vivo* and *in silico* Studies of the Neuroprotective Effect of Artemisinin in Prevention of Alzheimer's Disease in an Animal Model. In: ICNBME 2024. IFMBE Proceedings, vol 92. Springer, Cham. https://doi.org/10.1007/978-3-031-42782-4_22 . N. Ohanyan, N Abelyan , A Manukyan , V Hayrapetyan , S Chailyan, S. Tiratsuyan*, & K Danielyan Tannin- albumin particles as the stable carriers of the medicines. Nanomedicine (Lond.), 10.2217/nnm-2023-0275 C 2024 ●A.Ohanyan, A.Hovhannisyan, S. Tiratsuyan Evaluation of the combined effect of Fe_3O_4 nanoparticles with extracts of Prunella Vulgaris and Ocimum Araratum on hemolyzed blood peroxidase activity. 47th FEBS Congress, Tours, France to be held 8-12 July, 2023 in Tours. POSTER PRESENTATION. Scopus, Web of Science ● Е.Р.,Амбарцумян,Тирацуян С.Г. Молекулярное моделирование взаимодействия фитопрепаратов с гликогенсинтазой-3β, MARK-4 и амилоидным пептидом 18aβ9-40. Материалы IX международной научной	2024. 2024. 2023 2023

интернет-конференции, «Биотехнология: взгляд в будущее» Ставрополь, Россия, 2023,3-5	
● A.Ohanyan, A.Hovhannisyan, S. Tiratsuyan Evaluation of the combined effect of Fe3O4 nanoparticles with leaf extracts of Prunella vulgaris and Ocimum araratum on hemolyzed blood peroxidase activity 47th FEBS Congress, Tours, France to be held 8-12 July, 2023 in ToursAbstract ID: 50487 Abstract Topic: Medicinalbiochemistryhttps://2023.febscongress.org /poster-guidelines;	2023
● S.Tiratsuyan, Y Hambardzumyan, M Poghosyan, M Danielyan, A. Hovhannisyan In vivo and in silico studies of the neuroprotective effect of artemisinin in prevention of Alzheimer's Disease in an animal model . 6th International Conference on Nanotechnologies and Biomedical Engineering - Proceedings of ICNBME-2023, Chishinau, MoldovaA Springer book series IFMBE Proceedings	2023
in [978-3-031-42781-7, ICNBME 2023, Volume 2, IFMBE Proceedings 92, schedule for paper approval (548741_1_En, Chapter 22)] International Conference on Nanotechnologies and Biomedical Engineering. – Cham : Springer Nature Switzerland, 2023. – C.	
● S.Tiratsuyan, Y Hambardzumyan, M Poghosyan, M Danielyan, A. Hovhannisyan. In vivo and in silico studies of the neuroprotective effect of artemisinin in prevention of Alzheimer's Disease in an animal model. 6th International Conference on Nanotechnologies and Biomedical Engineering - Proceedings of ICNBME-2023, Chishinau, MoldovaA Springer book series IFMBE abstract book	2023
S.Tiratsuyan -oral presentation on 6th International Conference on Nanotechnologies and Biomedical Engineering - Proceedings of ICNBME-2023, Chishinau, MoldovaA, 23	2023
● H. Grabski, S. Ginosyan and S Tiratsuyan.Molecular Modeling of the In. teraction of Taxifolin with . Quorum Sensing Regulator LasR of Pseudomonas Aeruginosa. IFMBE Proceedings. 2022, 87,429-438 https://doi.org/10.1007/978-3-030-92328-0_56, https://doi.org/10.1007/SPRINGER_CROSSMARK_POLICY	2022

● K. E. Danielyan , H. V. Grabski, M. A. Alaverdyan, S. V. Ginosyan, S. G. Chailyan.,S. G. Tiratsuyan Experimental Clarification of PRPS-1 Structural Essentials., Cell Biochemistry and Biophy sics (2022) 80:699–709 https:// doi.org/10.1007/s12013-022-01104-1	2022
● Амбарцумян Е.Р., Гиносян С.В., Тирацуян С.Г. Взаимодействие низкомолекулярных соединений с гликогенсинтазой-3β и p38α MAPK, фосфорилирующими белок тау : «Физико-химическая биология»: Материалы IX международной научной интернет-конференции Ставрополь, Россия, 2022, 40-43.	2022
● Grabski, H., Ginosyan, S. and Tiratsuyan, S., 2021. Molecular simulations and Markov state modeling reveal inactive form of quorum sensing regulator SdiA of Escherichia coli. IEEE/ACM Transactions on Computational Biology and Bioinformatics.	
Оганян А.Ж. Оганесян А.А., Тирацуян С.Г , Захарян ОЦЕНКА НЕЙТРАЛИЗУЮЩЕЙ КИСЛИТЕЛЬНЫЙ СТРЕСС АКТИВНОСТИ ЭКСТРАКТОВ ЛИСТЬЕВ *P. VULGARIS* L. И *O. ARARATUM* L. ПРИ БРОНХИАЛЬНОЙ АСТМЕ И ХРОНИЧЕСКОЙ ОБСТРУКТИВНОЙ БОЛЕЗНИ ЛЕГКИХ.	2022
ПЯТНАДЦАТАЯ ГОДИЧНАЯ НАУЧНАЯ КОНФЕРЕНЦИЯ Сборник статей ЕРЕВАН 2022	2022

• Амбарцумян Е.Р., Гиносян С.В., Тирацуян С.Г. Схемы ингибирования активности BACE-1 и агрегации амилоидогенных пептидов фитопрепаратами. Биотехнология: взгляд в будущее, Материалы VII международной научно-практической конференции. Часть 1, 8-10, 2021.	2021
• Гиносян С.В., Грабский О.В., Тирацуян С.Г. Взаимодействие артемизининов с регулятором кворум-сенсинга SdiA *E. coli*. Биотехнология: взгляд в будущее, Материалы VII международной научно-практической конференции. Часть 1, 18-21, 2021.	2021
• Амбарцумян Е.Р., Гиносян С.В., Тирацуян С.Г. Анализ потенциала соединений, модулирующих мишени в разработке лекарств против болезни Альцгеймера. Материалы Международного молодежного научного форума «ЛОМОНОСОВ-	2021

	2021» / Отв. ред. И.А. Алешковский, А.В. Андриянов, Е.А. Антипов, Е.И. Зимакова. ISBN 978-5-317-06593-5.	
	• S. Ginosyan, H. Grabski, S. Tiratsuyan. Interaction of artemisinins with quorum sensing regulator SdiA of enteropathogenic E. coli. 45th FEBS 2020 Congress, Ljubljana, Slovenia, 3-8 July 2021. Poster presentation.	2021
	• Hambardzumyan Y., Ginosyan S., Tiratsuyan S. Evaluation of the therapeutic potential of dihydroartemisinin and its dimer as β-amyloid aggregation and β-secretase inhibitors. The 20th FEBS Young Scientists' Forum (YSF), June 15 - 18, 2021, Lovran, Croatia. Abstract Book, p. 97.	2021
	• Abelyan N., Grabski H., Tiratsuyan S. In silico screening of flavones and its derivatives as potential inhibitors of quorum-sensing regulator LasR of Pseudomonas aeruginosa. The 20th FEBS Young Scientists' Forum (YSF), June 15 - 18, 2021, Lovran, Croatia. Abstract Book, p. 101.	2021
	• H Grabski, S Ginosyan, S Tiratsuyan, Molecular modeling of the interaction of taxifolin with quorum sensing regulator LasR of Pseudomonas aeruginosa 5th Int Conf on Nanotechnologies and Biomedical Engineering (ICNBME-2021).,p96	2021
	• Ginosyan, S., Grabski, H. & Tiratsuyan, S. In vitro and in silico Determination of the Interaction of Artemisinin with Human Serum Albumin. Mol Biol 54, 586–598. DOI: https://doi.org/10.1134/S0026893320040056	2020
	• С.В. Гиносян, О.В. Грабский, С.Г. Тирацуян. In vitro и in silico определение взаимодействия артемизинина с сывороточным альбумином человека Молекулярная биология, 54(4), 653-666. DOI: 10.31857/S0026898420040059	2020
	• Hambardzumyan Y., Ginosyan S., Tiratsuyan S. Comparative analysis of the interaction of inhibitors with BACE-1 using molecular modeling methods. "Biotechnology: Forward to the future", Materials of VI International Scientific Internet-Conference, Stavropol, Russia, 12-15, ISBN 978−5−89822−581−0.	2020

• Abelyan, N., Grabski, H., & Tiratsuyan, S. In silico Screening of Flavones and its Derivatives as Potential Inhibitors of Quorum-Sensing Regulator LasR of Pseudomonas aeruginosa. Molecular Biology, 54(1), 134-143. DOI: https://doi.org/10.1134/S0026893320010021	2020
• Абелян, Н., Грабский, О., & Тирацуян, С. In silico скрининг флавонов и их производных как потенциальных ингибиторов кворум-сенсинг регулятора LasR Pseudomonas aeruginosa. Молекулярная биология, 54(1), 153-163. DOI: 10.31857/S0026898420010024	2020
• Grabski H. , S. Tiratsuyan. Effect of Flavonoids on Quorum-Sensing Systems of P. Aeruginosa and E. Coli. V International Conference of Biotechnology and Health (ICBH 2020). Book of Abstracts. Organized by: Russian-Armenian University Yerevan,Armenia October 29–31, 2020, pp. 67-68, ISBN 978-9939-67-254-0.	2020
• Abelyan N., Chilingaryan G., Farsiyan L., Hovhannisyan A., Tiratsuyan S. Computational Modeling of Potential Inhibitors of the QS System of Antibiotic-Resistant Bacteria P. aeruginosa, V International Conference of Biotechnology and Health (ICBH 2020). Book of Abstracts. Organized by: Russian-Armenian University Yerevan, Armenia October 29–31, 2020, pp. 15-16. ISBN 978-9939-67-254-0	2020
• Abelyan N., Chilingaryan G., Farsiyan L., Hovhannisyan A., Tiratsuyan S. Computational Modeling of Potential Inhibitors of the QS System of Antibiotic-Resistant Bacteria P. aeruginosa, V International Conference of Biotechnology and Health (ICBH 2020). Book of Abstracts. Organized by: Russian-Armenian University Yerevan, Armenia October 29–31, 2020, pp. 15-16. ISBN 978-9939-67-254-0	2020
• Chilingaryan G., Tiratsuyan S., Hovhannisyan A. Interaction of Small Molecules with Telomeric G-Quadruplex DNA, V International Conference of Biotechnology and Health (ICBH 2020). Book of Abstracts. Organized by: Russian-Armenian University Yerevan, Armenia October 29–31, 2020, pp. 45-46, ISBN 978-9939-67-254-0	2020
• Farsiyan L., Ghrejyan E., Ohanyan S., Tiratsuyan S., Hovhannisyan A. Cytotoxicity Assessment of Different Extracts and Stabilized Iron (III) Oxide Nanoparticles on E. Coli Growth, V International Conference of Biotechnology and Health (ICBH 2020). Book of	2020

	Abstracts. Organized by: Russian-Armenian University Yerevan,Armenia October 29–31, 2020, pp. 57-58, ISBN 978-9939-67-254-0	
	• Khachatryan A., Khasaryan Sh., Tiratsuyan S., Hovhannisyan A. Antibacterial effect of silver and iron oxide Fe3O4 nanoparticles in combination with antibiotics on E. Coli. BioNanoScience, Springer New York, 5, 11-15	2019
	• L.M. Farsiyan, A.A. Hovhannisyan, S.G. Tiratsuyan, Iron Oxide Fe2o3 Biogenic Nanoparticles Synthesis Using *Ocimum basilicum* L. Extracts, Their Quantitative Analysis And Characteristics, Вестник РАУ №2 физико-математические и естественные науки. 2020г. Том 2, стр. 141-149.	2020
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	• Grabski, H.V. and Tiratsuyan, S.G., 2019, September. Interaction of Quercetin with LasR of Pseudomonas aeruginosa: Mechanistic Insights of the Inhibition of Virulence Through Quorum Sensing. In International Conference on Nanotechnologies and Biomedical Engineering (pp. 585-588). Springer, Cham.	2019
	• Ginosyan, S., Hambardzumyan, Y., Mkrtchyan, T., Grabski, H. and Tiratsuyan, S., 2019, September. Molecular Docking of Compounds Modulating Amyloid Peptide Aggregation Schemes. In International Conference on Nanotechnologies and Biomedical Engineering (pp. 361-366). Springer, Cham.	2019
	• Ginosyan, S.G., Chilingaryan, G.V., Grabski, H.V., Ghulikyan, L.A., Ayvazyan, N.M. and Tiratsuyan, S.G., 2019, September. Mode of Artemisinins' Action on Oxidative Stress, Genomic and G-Quadruplex DNA. In International Conference on Nanotechnologies and Biomedical Engineering (pp. 543-548). Springer, Cham.	2019

• Arutyunyan, A. A., Hovhannisyan, A. A., Kazaryan, S. H. A., & Tiratsuyan, S. G. Effect of silver nanoparticles on peroxidase activity of Linum ausriacum L. and Hypericum perforatum L. callus culture. Toxicon, 159, S21. DOI: 10.1016/j.toxicon.2018.11.387	2019
• Ohanyan, S., Grabski, H., Rshtuni, L., Tiratsuyan, S. and Hovhannisyan, A., 2019, September. Improvement of the Antibacterial Activity of Benzylpenicillin in Combination with Green Silver Nanoparticles Against Staphylococcus aureus. In International Conference on Nanotechnologies and Biomedical Engineering (pp. 349-353	2019
• Grabski H, Hunanyan L, Tiratsuyan S and Vardapetyan H. New binding site of the quorum sensing molecule N-3-Oxododecanoyl homoserine lactone with the transcriptional regulator LasR of Pseudomonas aeruginosa: insights from molecular docking and dynamics simulations [version 1; not peer reviewed]. F1000Research 2019, 6 (ISCB Comm J):1281 (poster) (doi: 10.7490/f1000research.1114539.1)	2019
• Ginosyan S., Grabski H., Tiratsuyan S. Molecular modeling of the interaction of artemisinin with human serum albumin. Vestnik RAU, No 2, 71-80, ISBN 1829-0450	2019
• Hambardzumyan Y., Ginosyan S., Tiratsuyan S. Comparative analysis of the inhibition potential of dihydroartemisinin dimer and ibuprofen on the aggregation of β-amyloid peptide. «Physico-Chemical Biology», Materials of VII International Scientific Internet-Conference, Stavropol, Russia, 21-24, ISBN 978-5-89822-617-6	2019
• Ohanyan A., Shishkoyan N., Kazaryan Sh., Hovhannisyan A., Tiratsuyan S., Elbekyan K., Koshel V., Khodzhayan A. Antioxidant and Hemolytic Properties of Different Extracts from Prunella vulgaris L. Leaves. / Medical News of North Caucasus, 13(3), 507-510.	2018
• Grabski, H. and Tiratsuyan, S. Mechanistic insights of the attenuation of quorum-sensing-dependent virulence factors of Pseudomonas aeruginosa: Molecular modeling of the interaction of taxifolin with transcriptional regulator LasR. bioRxiv, p.500157	2018

• Ginosyan S., Grabski H., Tiratsuyan S. The character of the artemisinin interaction with human serum albumin. «Physico-Chemical Biology», Materials of VI International Scientific Internet-Conference, Stavropol, Russia, 121-125. ISBN 978-5-89822-598-8.	2018
• Chilingaryan G., Hovhannisyan A., Ginosyan S., Tiratsuyan S. G-Quadruplex DNA Motifs Potential as Novel Antimalarial Drug Targets. «Physico-Chemical Biology», Materials of VI International Scientific Internet-Conference, Stavropol, Russia, 9-12. ISBN 978-5-89822-598-8.	2018
• Ginosyan S., Gulikyan L., Bagdasaryan A., Grabski H., Tiratsuyan S., Ayvazyan N. Characteristics of the interaction of artemisinin with glucocorticoid receptor and DNA. "Biotechnology: Forward to the future", Materials of IV International Scientific Internet-Conference, Stavropol, Russia, 13-16.	2018
• Chiligaryan, G. V. Comparative Analysis of Quercetin and Taxifolin Interaction with Human Telomeric G-quadruplex DNA Hybrid form based on Molecular Dynamic Simulations. Հայաստանի կենսաբանական հանդես Biological Journal of Armenia Биологический журнал Армении, 70(4), 57-61.	2018
• Оганесян, А. А., Вардапетян, Г. Р., Арутюнян, А. А., Тирацуян, С. Г., Казарян, Ш. А., & Петросян, М. С. Исследование действия миллиметровых волн на антиоксидантную систему суспензионных культур Linum austriacum L. In VIII Международный конгресс" Слабые и сверхслабые поля и излучения в биологии и медицине" Научные труды Конгресса (pp. 67-68).	2018
• Tiratsuyan S.G., Grabski H.V., Gasparyan G.G. Antimicrobial activity of ethanolic extracts of selected species used in livestock health management and their major phytocompounds ФИЗИКО-ХИМИЧЕСКАЯ--БИОЛОГИЯ»материалы v международной научной интернет – конференции, 2017 г.; №3; стр.141-146	2017
• Grabski H, Hunanyan L. Vardapetyann H., Tiratsuyan S. Reconstruction of tertiary structure of transcriptional regulator LasR of *P. Aeruginosa*."Biotechnology:Forward to the future".	2017

• Ginosian S. Grabski H, Hunanyan L. Vardapetyann H. Tiratsuyan S. Study of the interaction of artemisinin with glucocorticoid receptor by methods of molecular modeling. "Biotechnology: Forward to the future".	2017
• Hunanyan L., Grabski H. Chilingaryan G, Vardapetyan H. Detection of possible binding sites of quercetin on G-quadruplex DNA. Annual Yearly Conference Russian-Armenian (Slavonic) University. Grabski H.	2016
• Grabski H, Tiratsuyan S., Hunanyan L. Interaction of quercetin and morin with transcriptional regulator LasR of *P. aeruginosa*. «PHYSICO-CHEMICAL BIOLOGY». Materials of International Scientific Internet-Conference, Stavropol, p. 127-130, 2016	2016
• Grabski H, Tiratsuyan S., Hunanyan L. In-silico study of the interaction of quercetin and morin with n-3-oxo-dodecanoyl homoserine lactone by molecular modeling methods. Book of abstracts, FEBS Advanced Lecture Course, Current Advances in Pathogen Research, March 21-26, 2016, Yerevan, Armenia.	2016
• Grabski H, Tiratsuyan S., Hunanyan L. In silico study of the interaction of morin with LasR ligand-binding domain by molecular modeling methods. Materials: International student, postgraduate and young scientist conference «Lomonosov-2016», Moscow, MSU april 11-15 2016.	2016
• Chaltikyan G, SaghatelyanT, Buniatyan V, Begoyan V, Vardapetyan H, Tiratsuyan S, Buliev I, Bliznakov Z. New Joint Master's Program in Biomedical Engineering (with Topics on Health ICT) in Armenia Developed through TEMPUS Project BME-ENA 2016 Global Telemedicine and Health Updates: Knowledge Resources Vol. 9, p. 161-167, 2016. ISfTeH. International Society for Telemedicine & eHealth. Printed in G. D. of Luxembourg.	2016
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• Hovhannisyan D., Gasparyan G., Tiratsuyan S Voskanyan A., Vardapetyan H. Antihemorrhagic activity of quercetin against *Macrovipera lebetina* obtusa venom Journal of Experimental Biology and Agricultural Sciences, vol 2, issue 2, pp. 165-170, 2014	2014
• Vardapetyan H., Hovhannisyan D., Chailyan G. Tiratsuyan S Quercetin content and antioxidant activity of Armenian *Crataegus laevigata*, *Plantago major* and *Artemisia absinthium* plants extracts Journal of Experimental Biology and Agricultural Sciences, vol 2, issue 2, pp. 220-225.	2014
• Vardapetyan H. R., Hunanyan L.S., Grabski H. V. Characteristics of the interaction of podophyllotoxin derivatives with DNA in silico. PhysioMedi Volume 2 Scientific Brochures and Booklets of the 5th International Scientific Conference "High technology, Fundamental and Practical Research in Physiology and Medicine" November 14-15 2013, Saint Petersburg. Russia. Publishing house: POLYTECHNIC INSTITUTE 2013 BBC 5:28 page 112-113.	2013
• Vardapetyan H., Hovhannisyan Tiratsuyan S.G., A Rukhkyan M., Hovhannisyan D. Phytochemical composition and biological activityof *Laurus nobilis* L.	2013

	leaves collected from two regions of South Caucasus JEBASciences, vol 1, issue 2, pp. 45-51.	
	• Martirosyan A., Vardapetyan H., Tiratsuyan S., Hovhannisyan A. Biphasic dose response of antioxidants in hypericin-induced photohemolysis 8(3) Photodiagnosis and Photodynamic Therapy ***2011 p.*** 282-287, DOI: 0.1016/ j.pdpdt.2011.03.339	2011
	• Vardapetyan H.R., Martirosyan A.S., Tiratsuyan S.G., Hovhannisyan A.A. Investigation of the interaction of hypericin with albumin. Proc. of Int. Conf. "Biotechnology and Health-4", Oct. 28-30, 2010, p.77-82.	2010
	• Vardapetyan H.R., Martirosyan A.S., Tiratsuyan S.G., Hovhannisyan A.A. Interaction between hypericin and hemoglobin. J. Photochem. Photobiol. B: Biol. 101 p.53-58, 2010. (IF 2.553)	2010
	• Martirosyan A.S., Vardapetyan H.R., Tiratsuyan S.G., Hovhannisyan A.A. "Possibility of improvement of hemoglobin properties as biosensors' detection element", Proc. SPIE, Vol. 7715, Biophotonics: Photonic Solutions for Better Health Care II, Proceedings of SPIE Vol. 7715 (SPIE, Bellingham, WA, 2010) 77153N, p.77153N-1 – 77153N-8. doi:10.1117/12.852765	2010
ACADEMIC COURSES	• Molecular Biology • Modern Research Methods • Cell Engineering • Biophysics' Actual Problems • Medical Biophysics • Molecular Biology of Atherosclerosis • Molecular Biology of Neurodegenerative Disease • Secondary Metabolites of Microorganisms and Plants • Synthesis, Mechanisms and Action of Antibiotics • Bioengineering of Microorganisms • Basics of Biotechnology • Medical biotechnology • Molecular immunology	
LANGUAGES	Armenian (native) Russian (fluently) English (good)	

CITIZENSHIP STATUS	Armenian Citizenship