

Curriculum Vitae

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Website	www.rheology.biz	

Research component: Circulatory Physiology and Pathophysiology, Fundamental and Applied Research in Rheology, Creation of New Concepts and Approaches, Pathogenesis, Diagnosis and Management of Diseases - New Scientific Approaches and European Management. In particular, the study of blood flow during Raynaud's phenomenon, arterial hypertension, pregnancy, gestosis, endocrine, tumor, gerontological changes. Mathematical analysis, diagnostic markers, visual and verbal calculator for disease expression. Introduction of vascular and intravascular studies in clinical medicine and modern teaching. Generalizing the basics of legal issues in fundamental research and creating population protocols and cases, creating chatbots, creating / implementing an algorithm for analytical research related to COVID-19. Learning / Teaching Component: Science and Research Management Programs and Syllabus Creation / Doctoral Program Administration / pbl Learning Transition Mechanisms / New Student Satisfaction

Innovative Research / Generalization of Sustainability Principles in Biomedical Research / Involvement in the Anti-Plagiarism Campaign / Synthesis of Innovative and Traditional Approaches to Knowledge Transfer (Scientific Conferences, Role Games, Imitation) / Accreditation / Authorization of USD Programs.

Field of scientific interests

Education / Competence

Learning for the rest of your life

1	2017	Aachen University of Applied Sciences with Biomechanical Technologies Elastic materials in biomedicine, Germany, expert
2	2013	Hemostasis International Clinic Hemorrhagic and Anticoagulant Three Practice, RF, Expert
3	2011	World Organization for Blood Circulation and Thrombosis Research Laboratory New methods, Bulgaria, Medical Equipment Engineer
4	2010	World Shock Organization for Patient Safety, Portugal, Medical Security Inspector

5	2009	Blood Transfusion Society, Modern Issues in Transfusiology
6	2008	European Society of Clinical Rheology and Microcirculation, Clinic Hemorrhoids, France

Fundamentals Education

7	2013	Bachelor / Equalized Georgian Institute of Public Affairs, Health Management / Administration, Health Specialist
8	1998/2001	Graduated Specialist in Commercial Non-Governmental University RE Russian Federation, Medical Affairs
9	2001/2004	Ivane Beritashvili Institute of Physiology of the Georgian Academy of Sciences Postgraduate studies, frequent
10	1987/1992	Equal to Master / Master of Ivane Javakhishvili Tbilisi State University, Georgia, Biophysics

Work Experience

Nº	Years	POSITION TITLE:	Department / Division	Organization
1	2020	Member of the Board of Authorization of Higher Education Institutions	Accreditation and Authorization Service	Ministry of Education, Science, Culture And Sport of Georgia
2	2019-	Leader	Multidisciplinary Higher Scientific School	Non-profit international organization
3	2019-	Affiliated Professor	Medical School	National Center for Educational Quality Enhancement
4	2018-	Accreditation and Authorization Expert	National Center for Educational Quality Enhancement	European University
5	2017-	Invited Professor	Department of Skills	Tbilisi State Medical University

6	2016-	Leader	Department of Rheology and Diagnostic-Analytical Services	I. Beritashvili Experimental Biomedicine Center
7	2015-	President / Head of Department	Multidisciplinary Research School, Georgian Society of rheologists	Georgian Society of rheologists
8	2014-	Chief academician	Department of Circulation and Metabolism of the Brain	I. Beritashvili Experimental Biomedicine Center
9	2011-	Invited Professor	Laboratory of Mechanics	Perm State Technical University
10	2008-	Invited Professor	Department of Mechanobiology	Institute of Mechanics of the Bulgarian Academy of Sciences
11	2006-2014	Chief academician	Department of Circulation and Metabolism of the Brain	I. Beritashvili Experimental Biomedicine Center
12	2002-2006	Academician	Laboratory of Circulatory Physiology and Pathology	I. Beritashvili Institute of Physiology
13	2001	Scientific studies. Author of the program	Department of Physiology and Pathophysiology	Non-Governmental Commercial Institute
14	1996	Lecturer, Junior Academician	Department of Pathophysiology	Pirogov Russian National Research Medical University
15	1995-2002	Lecturer, Junior Academician	Laboratory of Circulatory Physiology and Pathology	I. Beritashvili Institute of Physiology

16	1992-1995	Chief Laboratory assistant	Microcirculation Research Center	I. Beritashvili Institute of Physiology
17	1992	Nuclear physics. The gunman	Nuclear physics. The gunman	I. Javakhishvili Tbilisi State University

Participation in scientific grant projects

Nº	Years	The role in the project	Project title	Sponsor
1	2020	Leader	Georgia's experience: Sustainability of studies in the pandemic caused by CoViD-2019	Organization for the Prevention of International Pandemics G3P / 2020_JJP_Con_01
2	2019-2020	Leader	Rheological markers as a tool for nutritional efficiency	International Organization for Food and Drug Control GRA_FDSO_01_19_127
3	2019-2020	Leader	Complex study of intravascular and vascular factors to determine blood flow in young people	European University GR_EU001 / 08/2010
4	2018 2019	Leader, Organizer	Benefits and harms of anticoagulant treatment	Bemiparin World Organization F_IB_001 / 27
5	2018	Leader, Organizer	4th International Multidisciplinary Conference in Rheology	Grant of Rustaveli National Science Foundation MG_CG_04
6	2016	Leader	IncoNet EaP Funded by EU Research and Technological Development 7th Framework	Rustaveli National Science Foundation IncoNet EaP Funded by the 7th Framework Program for EU Research and

			Program Biomedica 2016	Technological Development
7	2016	Travel grant holder	Rheological status of the blood during pregnancy	Travel grant of Rustaveli National Science Foundation (tg_19_4_2016)
8	2015-2016	Leader	Efficacy of treatment based on blood flow monitoring for various oncological diseases	Transcaucasian Doctors' League
9	2015	Organizer	International School of Rheology and Microcirculation	Grant of the Seasonal School of the Rustaveli National Science Foundation (SS15_2_001)
10	2014-2015	Leader	Positive action of Bemiparin on rheology	Bemiparin Society (www.bemiparin.com) and Women's Health Foundation
11	2013-2015	Leader	Impact of hemorrhagic shock on brain microcirculation and hematology	Grant of Rustaveli National Science Foundation (FR / 420 / 7-270 / 12
12	2004-2005	Researcher	Changes in microcirculation and Hemorrhagic changes during shock development	Grant from the Academy of Sciences
13	2003-2006	Researcher	Metallization on solid surfaces	International Center for Science and Technology
14	2002-2003	Researcher	Clinical-experimental studies in hypertension, cerebral infarction and diabetes	Grant from the Academy of Sciences

15	2000-2001	Researcher	The role of hemorrhagic factors in neurological, cardiological and Angiological disorders	Grant from the Academy of Sciences
16	1997-1999	Researcher	Study of morpho-physiological changes in the cerebral cortex and their pathophysiological analysis	Grant from the Academy of Sciences

Training / seminar

Training / seminar	Name of the organization	Year of commencement	Year of completion
Biomechanical technologies and elastic materials in biomedicine	Aachen University of Applied Sciences	2017	2017
Hemorrhagic and anticoagulant treatment practices	International Clinic of Hemostasis	2013	2013
New methods of laboratory research	World Organization for Circulation and Thrombosis	2011	2011
Patient safety	World Shock Organization	2010	2010
Modern issues of Transfusiology	Blood Transfusion Society	2009	2009
Clinical Hematology	European Society for Clinical Rheology and Microcirculation	2008	2008

List of publications

Article / Monograph / Manual

Type	Authors	Title	The magazine	Year
Article	Mantskava M., Momtselidze N.	Clinical markers of functional condition	ISSN 1812-5123. Russian J.of	2019

		of resistive arteries in the young men	Biomechanics. 2019, 23(4):501-505 DOI: 10.15593/RZhBiomeh/2019.4.08	
Article	Mantskava M., Niashin IL, Lokhov V.A.	The study of blood circulation at experimental tumor	ISSN 1812-5123. Russian Journal of Biomechanics. 2019, 23(4):506-510 DOI: 10.15593/RZhBiomeh/2019.4.09	2019
Article	Mantskava M., Momtselidze N., Shengelia L., Mosia b.	Limited use of Georgian language and Latin terms to strengthen the connection between "Medical Doctor". Linguistic and psychological factor.	Multidisciplinary Science, Multidisciplinary High School Labor Collection. ISSN 978-0041-485-14-5. 2019, (4): 4, 66-69	2019
Article	Mantskava M., Momtselidze N., Shengelia L., Mosia b.	The role of the use of Georgian original questionnaires in fundamental scientific research	Multidisciplinary Science, Multidisciplinary High School Labor Collection . ISSN 978-0041-485-14-5. 2019, (4):4, 69-72	2019
Article	Mantskava M., Momtselidze N., Labadze E., Tsalughelashvili A., Narsia N.	Parallel study of hemorheological, inflammation and anemia parameters before, during and after surgery in patients with stomach cancer	Science Review. ISSN 2544-9346. 2019, 6(23):8-12 DOI: https://doi.org/10.31435/rsglobal_sr/31072019/6609 http://archive.wsconference.com/wpcontent/uploads/sr6_23.pdf	2019
Article	Mantskava M., Momtselidze N., Gotsadze M.	Monitoring hemorheological parameters in patients with arterial fibrillations (Primary dates)	Georgian Medical News ISSN 15120112	2019

	Mantskava M., Momtselidze N.	New concepts, the newest methods, results, discussions, conclusions of researches in modern biomedicine	ISBN 978-9941-48514-5. – 80 p.	2019
Article	Mantskava M., Momtselidze N.	Study of changes in certain blood parametra during ischemic stroke for forecast disease outcome.	The 1st Beritashvilis talks. Neurophysiological functions and their disorders – interdisciplinary studies. 2019, 157162 ISBN 978-9941-81339-9	2019
Article	Mantskava M., Momtselidze N., Labadze E., Gotsadze M., Kuchava G.	Adaptations of some experimental data for applied of critical medicine	J. of Biomechanics. ISSN 2409-6601. 2019. v. 23, № 1: 3338 DOI: 10.15593/RZhBiomeh/2019.1.04. УДК 616-005.1:616-001.36	2019
	Mantskava M., Momtselidze N.	Rheology Multidisciplinary Concept	ISBN 978-1234-56789-7(12345)	2019
Article	Mitagvaria N., Davlianidze L., Devdariani M., Mantskava M., Nebieridze M., Momtselidze N., Gumberidze L., Kvachakidze I., Sikharulidze N.	Analysis of the mechanisms of whole body hyperthermia induced behavioral disorders (experimental study)	Systemic, Cellular and Molecular Mechanisms of physiological functions. Nova Science Publishers. ISBN 978-1-53614-395-9;	2018
Article	Mantskava M., Momtselidze N.	Comprehensive assessment of the microcirculation and blood rheology during diabetic microangiopathy	Systemic, Cellular and Molecular Mechanisms of physiological functions. Nova Science Publishers. ISBN 9781-53614-395-9;	2018

Article	Gumberidze L., Kvachakidze I., Davlianidze L., Devdariani M., Nebieridze M., Momtselidze N., Mantskava M., Sikharulidze N., Mitagvaria N.	Effect of dimethylsulfoxide (DMSO) on changes in behavior of animals induced by whole body hyperthermia	Biomedical Series Biomedical Series. ISSN-0321-1665. 1524,	2018
Article	Mantskava M., Momtselidze N.	RBC aggregability and deformability in residual umbilical cord blood	Series on Biomechanics	2018
Article	Mantskava M., Momtselidze N.	The influence of polysorbate Tween 80 on somatic health rats in experiment	Series on Biomechanics	2018
Article	Mantskava M.	The react on of the circuciation and emorheology in the bemiparin during experiments	Chemistry series . I SSN-0132-6074, 4, 42:617-621	2016
Article	Mantskava M., Momtselidze N.	In influence of adaptation resources on blood rheology under emotioal stress	International Scientific Journal "Innovation", 3:105-108	2016
Article	Mantskava M., Urdulashvili T., Narsia N., Mchedlishvili T., Momtselidze N.	Rheological, vascular and hemodnamic parameters in heart fauire In patients with coronary artery disease	International Scientific Journal "Innovation", 3:93-9	2016
Article	Mantskava M., Lomitashvili N., Urdulashvili N., Urdulashvili T., Mchedlishvili T., Momtselidze N.	The need for implementation measuring rheological properties in pregnancy	International Scientific Journal "Innovation", 3:99-10	2016
Manual	Mantskava M.	New concepts, Methods, Data and Conclusions in rheology –	Tbilisi, Georgia, An alya, Turkey. - 43p I SBN; 5-00-005923-9	2016

		Multidisciplinary Science. 2016.		
Article	Mantskava M., Chikobava S., Gogiberidze M., Tamasidze A., Tamasidze N., Mosemghvdlishvili Lee N., Nikolaishvili M.	New concept of study of oral hygiene assessment in patients with orthopedic treatment	Series in Biomechanics, 30, 2:32-37	2016
Article	Beriashvili S., Nikolaishvili M., Mantskava M., Momtselidze N., Franchuk K.	Changes in tooth hard tissue mineralization and blood rheology in healthy adolescents and those with thyroid dysfunction.	Medical News of Georgia, 28-34	2016
Article	Mantskava M.	New noninvasive method for measuring coefficient of microcirculation	Russian Journal of Biomechanics, 20 (1): 15-28	2016
Article	Mantskava M., Momtselidze N. Urdulashvili T.	Influence of different by duration insulin action on erythrocyte aggregation.	University of Kaluga Journal, 2, 31: 8284	2016
Article	Mitagvaria N., Nebieridze M., M. Devdariani M., Mantskava M., Momtselidze N., Gumberidze L., Kvachakidze I., Jojua N., Sikharulidze N.	The Possible Mechanism of Local Hyperthermia-induced Morphological Changes in Cerebral Tissue (Experimental Study of Rats	Systemic, cervical, and molecular mechanisms Physiological functions. .978-1-63484-988-3, "Nova" Science Publishing, 7: 187: 206	2016
Article	Mantskava M., Momtselidze N.	Blood Hemorheology and accompanying surgical intervention emotional stress.	University of Kaluga Journal, 2, 31: 7781	2016
Article	Mantskava M., Momtselidze N.	Blood Hemorheology and accompanying surgical intervention emotional stress.	University of Kaluga Journal, 2, 31:7781	2016
Article	Mantskava M., Finko A.,	The influence of ultraviolet and	Sci-Articles, 54: 60-63	2016

	Momtselidze N., Nadareishvili D.	infrared irradiation on arterial insufficiency of the upper extremities after sectoral mastectomy		
Article	Arpentieva M., Mantskava M.	Motives of doctor patient relationship and problem of interest conflict	Sci-Articles, 54(2016):52-59	2016
Article	Mantskava M.	Comprehensive evaluation of microcirculation and blood rheology during	Sci-Articles, 54(2016):45-51	2016
Article	Mantskava M., Momtselidze N., Urdulashvili T., Lomitashvili N.	Diagnostic Efficiency of blood rheological status determination in pregnancy diabetic microangiopathy	Sci-Articles, 54:16- 19	2016
Article	Momtselidze N., Mantskava M., Urdulashvili T., Narsia N., Gotsadze M., Mchedlishvili T.	Comprehensive evaluation of the blood flow in patients with coronary artery disease during heart failure	Sci-Articles, 54: 5- 11	2016
Article	Momtselidze N., Mantskava M., Urdulashvili T., Narsia N., Gotsadze M., Mchedlishvili T.	Comprehensive evaluation of the blood flow in patients with coronary artery disease during heart failure	Sci-Articles, 54: 5- 11	2016
Article	Mantskava M.	Drugs and remedy safety for treatment of diseases of different etiologies	International Journal of Life Sciences.	2015
Article	Mantskava M., Momtselidze N., Davlianidze L.	Blood cell deformation after blood loss	Journal of Biological Physics and Chemistry, 15: 9–11	2015
Article	Mantskava M., Momtselidze N.	Positive effect of bempiparin to blood flow	Biomechanics Series, 29, 4: 45-49	2015

	Davlianidze L., Urdulashvili T.			
Article	Chikadze A., Khuchua L., Burduladze I., Jibladze M., Mantskava M., Chikadze T., Shakarishvili R.	Association between sleep apnea severity and blood hemorheology	Sleep Medicine 16, S2-S182. Sleep 2015.02.474	2015
Article	Mantskava M.	Rheological and Microcirculation Methods, New Data, Conclusion	ISBN 978-9941- 46502-4, Tbilisi, Georgia – 47	2015
Article	Mantskava M.	Thyroid and periodontitis (rheological blood tests	Lap Lambert Academic Edition, I SBN 978-3-659- 81858-5) - 45 p.	2015
Article	Mantskava M., Momtselidze N., Davlianidze L.	The assessment of emotional stress on indicators of blood rheology	Evidence Medicine,; 46-48	2015
Article	Mantskava M., Momtselidze N.	Influence of Different Types of insulin on Aggregation of Erythrocytes in patients with Diabete	Medical Reference Journal of Armenia, 11:88	2015
Article	Berashvili S., Mantskava M., Momtselidze N., Nikolaishvili M., Tupinashvili T., Tamasidze N.	Hemoreological Status During Periodontitis with and wihtout Thyroid Dysfunction Between Children the Age of 11-15	Monthly Scientific Research Journal of Eurasian Union Scientists (ESU). 1,18, 2: 46-48	2015
Article	Saginadze N., Gumberidze L., Davlianidze L., Devdariani M., Kvachakidze I., Momtselidze N., Mantskava M., Nebieridze M., Sikhar Arulidze N., Mitagvaria N.	Microcirculation, blood rheology status and age-related changes	Biomedicine Series, 41, 5-6: 221227	2015

Article	Mantskava M., Momtselidze N.	Microcirculation, blood rheology status and age-related changes	Journal of the Medical Center of the Presidential Department of the Republic of Kazakhstan, 5, 58: 173178	2015
Article	Mantskava M., Momtselidze N., Davlianidze L.	Effect of Anesthesia on the Rheological Properties of Blood (Experimental data)	Anesthesiology and resuscitation	2015
Article	Mantskava M., Momtselidze N.	Rheological blood status in the treatment of hypertension	Cardiology, 4,120:62-63	2015
Article	Mantskava M., Momtselidze N.	Assessment of platelet in case of stress-induced apnea	Stress Physiology and Biochemistry. I SSN 1997-0838. 10, 3:281-286	2014
Article	Mantskava M., Momtselidze N. Farghalava N.	The Role of Various Stressors in the Trigger Mechanism of Raynaud's Disease (Hemorheological and Vascular Reactions)	Stress Physiology and Biochemistry, I SSN 1997-0838. 10, 2: 328-335	2014
Article	Mantskava M., Momtselidze N. Davlianidze L., Mitagvaria N.	Hemorrhagic Shock and stress – Cause and Consequence of Hemorheology Disturbances on the Example of the Changes in Erythrocyte aggregation	Stress Physiology and Biochemistry, I SSN 1997-0838. 10, 2: 238-246	2014
Article	Mantskava M., Azikuri G., Momtselidze N., Mitagvaria N.	Blood rheological status in obstruction apnea	Biomedicine Series, 40, 5-6: 251256	2014
Article	Mantskava M., Momtselidze N.	Blood hemorheological status	Lapp Lambert Academic Edition, (I SBN 978-3-659- 66111-2) 2014 -78.	2014

Article	Mantskava M., Momtselidze N.	Stress - the cause and consequence of hemorheological disorders	Lapp Lambert Academic Edition, I SBN 978-3-659-66518-9) 77 p.	2014
Article	Beriashvili S., Mantskava, Momtselidze N., Zenaishvili S., Nikolaishvili M., Tupinashvili T., Vashakidze I.	Parathyroid Gland Dysfunction and Blood Rheological Changes in adolescents	Clinical and Experimental Medicine, 5: 43-47	2014
Article	Gogua M., Mantskava M., Momtselidze N., Tamasidze N., Nikolaishvili M., Tupinashvili M., Zenaishvili S.	Blood Rheological Status and Influence of Grape Seed Extract in Patients with Parodontitis	Clinical and Experimental Medicine, 5: 36-40	2014
Article	Mantskava M., Momtselidze N., Davlianidze L.	Blood Rheological Properties in Blood Loss (An experimental study)	Obshchaia Resuscitation, 10, 5: 27-32	2014
Article	Mantskava M., Momtselidze N.,	Rheological blood status with invasive mycoses	Hematology, X, 4:37	2014
Article	Mantskava M., Machavariani A.	Determination of the sensitivity and efficiency of the method of magnetization of red blood cells	Hematology, X, 4:36	2014
Article	Mantskava M., Momtselidze N., Farghalava N., Varazashvili M., Sordia T.	Effect of insulin preparation in erythrocyte aggregability during brain infarct (in vitro)	Thrombosis, Hemostasis, and Hemorrhoids, 44, 4: 32-33	2010
	Mantskava M., Momtselidze N., Farghalava N., Varazashvili M., Sordia T.	Role of erythrocyte aggregation as a hemorheological disorders in microangiopathy during I type diabetes mellitus	Thrombosis, Hemostasis, and Hemorrhoids, 44, 4:33-35	2010

Article	Mantskava M., Momtselidze N., Farghalava N., Varazashvili M.	Effect of exogenous insulin in hemorheological disorders of patient with IDDM and NIDDM	"Circulation and Hemostasis" Medical Scientific Research Journal. 3, 1: 98100	2007
Article	Mantskava M., Momtselidze N., Farghalava N., Varazashvili M.	Hemorheological Disorders in Microangiopathy during I type Diabetes Mellitus	"Circulation and Hemostasis" Medical Research Journal. 3, 1: 2732	2007
Article	Mantskava M., Momtselidze N., Mchedlishvili G.	Hemorheological disorders during ischemic brain infarcts in patients with and without diabetes mellitus	Clinical Hemorrhology and Microcirculation, 35,1-2: 261-265	2006
Article	Mantskava M., Momtselidze N., Farghalavan., Mchedlishvili G.	Hemorheological disorders during the 1st and 2nd types of diabetes mellitus in patients with foot gangrenes	Clinical Hematology and Microcirculation, 35, 1-2: 307-311	2006
Article	Urdulashvili T., Momtselidze N., Mantskava M., Narsia N., Mchedlishvili G.	Hemorheological, microvascular and hemodynamic disorders during coronary heart disease	Georgian Medical News, 136, 7: 55-57	2006
Article	Urdulashvili T., Mantskava M., Momtselidze N., Narsia N., Mchedlishvili G.	Microvascular and hemorheological disorders during ischemic heart disease.	Cardiology and Internal Medicine, XXI. VI I I, 4: 9-15	2004
Article	Mantskava M., Farghalava N., Mchedlishvili G.	Regional and systemic rheological disorders during the diabetic gangrene	Clinical Hemorrhology and Microcirculation, 30, 457-459	2004
Article	Mchedlishvili G., Mantskava M., Urdulashvili T.,	Appraisal of functional state of the human resistance arteries	Russian magazine Biomechanics. 8, 1: 55-59	2004
Article	Urdulashvili T., Momtselidze N.,	Hemorheological disorders and	Clinical Hemorrhology and	2004

	Mantskava M., Narsia N., Mchedlishvili G.	arteriolar resistance during ischemic heart disease	Microcirculation, 30, :399-401	
Article	Mantskava M., Farghalava N., Mchedlishvili G.	Direct beneficial effect of insulin -on blood rheological disorders in the microcirculation.	Clinical Hemorrhology and Microcirculation, 30: 431-433	2004
Article	Mantskava M., Momtselidze N., Mchedlishvili G., Farghalava N.	Comparative significance of the principal factors responsible for microcirculatory disorders in II type diabetes mellitus	Biology Series A. 29, 5-6: 653-657	2003
Article	Mchedlishvili G., Mantskava M., Farghalava N.	Arteriolar resistance and hemorheological disorders related to Raynaud's phenomenon.	Microvascular Research 62, : 190195	2001
Article	Mchedlishvili G. Shakarishvili R., Momtselidze N., Gobej Ishvili L., Aloeva M., Mantskava M.	Comparative values of erythrocyte aggregability versus other indices of hemorheological disorders in patients with ischemic brain infarct	Clinical Hemorrhology and Microcirculation, 22, 1: 9-15	2000
Article	Mantskava M., Mchedlishvili G., Elkin S., Farghalava N., Kotaria T., Tsinamdzgvrishvili I. B.	Research functional state of the human arterial resistance in certain types of vascular pathology.	Microcirculation Pathophysiology and Hemostasis (N. Petrishev). St. Petersburg State Medical University Press St. Petersburg, pp. 323-33	1998
Article	Mchdelishvili G., Tsinamdzgvrishvili I. B., Mantskava M.	Resistive arteries: their normal function and abnormal reactions.	Current Fundamentals of Pathophysiology 1993	1993

Products from research projects: Technology / Technic, Invention, Patent Application, and / or License, Other Products such as Databases, Physical Collections, Audio and Video Products, Software, Models, Educational, Auxiliary Programs, New Business Inventions, etc. Maximum 5)

Nº	Date	The name of the invention	Granting a patent Organization, country
1	1997.2/XII	Non-invasive measurement of arterial elasticity, arterial wall strength, resistance tone	Ukraine Patent, Ukraine

Nº	Product type	Product description	Relevant web. Page / Document Registration Number and Date (if any)
1	Microcirculation Research Georgial In vivo Model	A new useful tool for studying microcirculation. Changes in blood flow and wall determination were determined qualitatively and quantitatively in the experiment	http://www.iospress.nl/journal/clinical-hemorheology-and-microcirculation/
2	A new classification of hemorrhagic shock	A new classification of hemorrhagic shock was based on the replacement of coagulation and hemorrhagic systems during shocks. It is used effectively in shock clinics	QuoMedic Agency for Services to Medical Science http://www.hus.fi/EN ; 18 Mach, 2012; http://www.aaic.net.au/
3	New management of the clinical laboratory	The new model of clinical laboratories is characterized by innovation and high commercialization results	www.Clinicalhemorheology.biz

4	A European-proven program to support young science	Joint Adapted Program from Lisbon Medical School, Wagner Medical University and Aachen University of Applied Sciences	www.rheology.biz www.Clinicalhemorheology.biz
5	Registration of therapeutic safety control marks	A new methodology for continuous monitoring of hematological parameters and the principles of its introduction	http://www2.szote.u-szeged.hu/esm/

Additional information (international scientific awards, scholarships, etc.)

Member of the Society:

- 1992 - Member of the Georgian Society of Microcirculation and Hemorrhology;
- 1992 - Member of the Georgian Society of Physiologists;
- 1993 - Member of the European Society of Microcirculation and Hemorrhoids;
- 2012 - Member of the European Shock Society;
- 2012 - Member of FENS;
- 2014 - President of the Society of Rheology;
- 2015 - Head of the Georgian Wing of European Society of Microcirculation and Hemorrhoids.

Organizing the Conference (International Forums, 2015 - 2019)

1. Scientific Picnic, Telavi, Georgia within the framework of the Festival of Science and Innovation 2019;
2. Within the framework of the Festival of Science and Innovation 2019, scientific excursion "Science and Lemonade" Mtskheta, Zedazeni, Georgia;
3. International Conference "Digital Biomedicine" within the framework of the Festival of Science and Innovation 2019 Tbilisi, Georgia;
4. International Multidisciplinary Conference on Biomedicine BIOMED-2019, 2019 Tsikhisdziri, Georgia;
5. 5th Summer School in Biology and Mechanobiology, Symposium on Micro and Nanomechanics and Mechanobiology of Cells, Tissue Systems, Co-Organizer, Session: "Hemorrhagic Disorders in Various Pathologies. The effect of drugs. " 2018, Varna, Bulgaria;

6. Festival of Science and Innovation, 2018, Symposium "Innovative Approaches in Rheology" Tbilisi, Georgia;
7. 4th International Multidisciplinary Conference in Rheology, 2018, Tbilisi, Georgia;
8. 3rd International Multidisciplinary Conference in Rheology, 2016, Antalya, Turkey;
9. 2nd International Multidisciplinary Conference in Rheology, 2016, Tbilisi, Georgia;
10. First International Multidisciplinary Conference in Rheology, 2015, Kutaisi, Georgia;
11. Scientific Tour "Clinical and Laboratory Hemorrhology", 2016, Tbilisi-Uplistsikhe-Gori-Zestaponi-Batumi, Georgia;
12. Focus on Clinical Hemorrhoids for Practitioners, 2015, Tbilisi, Georgia.
13. 2015 - Member of the Scientific Council of the I. Beritashvili Experimental Biomedicine Center

Membership in the Editorial Board of International Magazines:

1. Journal of Biomechanics (RJB) is an international peer-reviewed journal. Impact Factor 2.12
2. Elixir International Journal Current Index Copernicus, Poland Value (ICV) is 80.82, Scored Publication Impact Factor(PIF) of 6.025 powered by I2OR and currently listed in Ulrich's Periodicals Directory, Proquest, USA
3. Clinical Hemorheology and Microcirculation (Blood Flow and Vessels) Impact factor 2.242 ISSN print 13860291 ISSN online 1875-8622
4. Editor of the Internet Magazine <http://sci-article.com>
5. Editor of the Scientific Portal www.rheology.biz

Awards and scholarships

- 2005 - President's Scholar
- 2008 - Author of the best essay. First Prize, Physiology Society Award
- 2014 - Thanks to the International Shock Society for Clinical Resuscitation and Disaster Medicine
- 2014-2015 Scholarship of the Center for Medical Technologies and Information Systems of the Presidential Administration of Kazakhstan
- 2014 - Thanks to the International Organization for Stress Management for the Study of Stressed Diseases
- 2015 - Beiparin International Organization Award for establishing new unknown antiaggregatory properties of Bemiparin
- 2015 - Thanks to the State Security and Crisis Management Council for monitoring the 2015 flood victims
- 2015 - Deed of the Minister of Labor, Health and Social Affairs of Adjara regarding the trainings
- 2015 - Doctors' League Award in connection with trainings in Adjara
- 2015 - ISCRM Award for the Promotion of Clinical Rheology Research
- 2015 - A letter of thanks from the European Society for Microcirculation and Clinical Hemorrhology to the leadership of the Georgian Wing
- 2015 - Thanks to the International Evidence Organization for the work of the II International Conference Organizing Committee (September)
- 2016 - Mediation Biomedicine of the EU Framework Program for Research and Technological Development 7th
- 2016 Leadership Certificate 2016 - Bulgarian SCRM Award

2016 - ISCRM thank you letter for the 2014 - 2015 international conferences

2016 - Medison Certificate (for preparing, conducting, testing, rehearsing for schools a rheological school-seminar)

Pedagogical productivity

Number of current students of first and second level of higher education > 400

Number of current students of third level of higher education 4 (Georgia), 1 (Italian), 1 (Russia), 1 (Bulgaria).

The number of third level students is 4 (Georgia), 1 (Italian), 1 (Russia), 1 (Bulgaria).

The number of graduates of the International Seasonal School (over 12 years) > 500 are in the field of applied and fundamental rheology.

Management of Dissertation Doctoral Papers - 4

Opposition, Expertise, Co-Leadership of Dissertation Papers > 15

Computer Skills

MS Office (Word Very good, Excel good, PPT- very good);

English and / or one of the European languages - B1 level

OS Windows XP, Vista, Windows 7, OIs

MS Office (Excel, Word, Outlook, Access)

Safari, Opera, Internet Explorer, Mozilla Firefox, Outlook Express;

Other

Hobby - Culinary, Interior Design

Sport: Skiing and Swimming.

Favorite genres of art: classical music (I prefer large forms: symphonies, opera genre), rap

Public projects

Public Radio. Author's program "Scientific Space" - Collaborator

Public Radio Author's program "Education Again" - Co-author

"Transcaucasia's Best Scientist" - Third Prize

International Youth Project "Reprealitishow" - Head