

List of Elguja Medzmariashvilis Scientific Works

Continuation № 1

Includes period:

from 25 September 2010 – 1 June 2023

№	Position	Title of paper	Printed, manuscript or internet	Title of issue, journal or patent (number and year, etc)	Quantity of paged	Coauthors
1	2	3	4	5	6	7
I Published by Elguja Medzmariashvili text books						
253.	1.1.	Fundamentals of Defense Environment and Armed Battle for Military Engineers.	Print.	Course of lectures. Institute of structures, special systems and engineering maintenance of Georgian Technical University. ISBN 978-9941-8-0284-3 (PDF). Tbilisi, 2018.	357 p.	
254.	1.2.	Engineering preparation of the territory for defense and military-engineering maintenance of combat actions and operations.	Print.	Course of lectures. Institute of structures, special systems and engineering maintenance of Georgian Technical University ISBN 978-9941-8-0286-7 (PDF). Tbilisi, 2018.	398 ოპ.	
255.	1.3.	Structure, Essence and Research Methods of Military Science.	Print.	Course of lectures. Institute of structures, special systems and engineering maintenance of Georgian Technical University. . ISBN 978-9941-8-0285-0 (PDF). Tbilisi, 2018.	70 p.	
256.	1.4.	Georgian military terms and definitions according to military branches.	Print.	Course of lectures. Institute of structures, special systems and engineering maintenance of Georgian Technical University. ISBN 978-9941-8-0283-6 (PDF). Tbilisi, 2018.	636 p.	
257.	1.5.	[Transformable ground and space structures and facilities	Print.	Course of lectures. Institute of structures, special systems and engineering maintenance of Georgian Technical University. ISBN 978-9941-8-0287-4 (PDF). Tbilisi, 2018.	103 p.	

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IV Published by Elguja Medzmariashvili მონოგრაფიები						
258.	IV.1.	Novel approach to indirect of military theory	Print.	Monograph. 2011. Direct sale in GRIN office		94 p.
259.	IV.2	Novel approach to indirect of military theory	Print.	Monograph. 2011. www.grin.com www.hausarbeiten.de ; www.diplomarbeiten24.de ; www.unterweisungen.de ; Amazon.de Marketplace Direct sale in GRIN office ; Hausarbeiten.de/Spiegel		94 p.
260.	IV.3	Technical Assessment of Large Deployable Structures (TALDES)	print	Antenna Reflectors Baseline Designs Description Issue 1, Ref.: TN 1.1.2-TUM/GTU-13/01/11-07D-1 SOW: TEC-MSS/2010/84/In/JSP		Page CCXVIII of 218
261.	IV.4	Contest report.	Int.	National Academy of Sciences of Georgia. ISBN 978-9941-0-5406-8. 2013. http://dspace.nplg.gov.ge/handle/1234/14095		171 p.
262.	IV.5	Transformable structures. First part	Print.	ISBN 978-9941-8-1905-6. Tbilisi, LTD „Matsne Print“. 2019.		265 p.
263.	IV.6	<i>History of Sciences:</i> First Georgian Space Object. Documentary material.	Print.	ISBN 978-9941-28-662-9. Publishing Hoouse „Technical University“, Tbilisi, 2021.		197 p.
264.	IV.7	... The attempts of European companies turned out to be premature for Georgia Georgians, in the field of space technology, are still in the international arena Georgia. Military science...	Print.	ISBN 978-9941-28-663-6. Publishing Hoouse „Technical University“, Tbilisi, 2021.		141 p.
265.	IV.8	Designing a transformable structure and the area of distribution in practice	Print.	ISBN 978-9941-28-665-0. Publishing Hoouse „Technical University“, Tbilisi, 2021.		41 p.

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V Published under general editorship of Elguja Medzmariashvili works						
266.	V.1	Georgian military encyclopedic dictionary.	Print.	ISBN978-9941-0-879-6. Publishing of Ministry of Defence. Tbilisi, 2017.	691 p.	Under general editorship

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VII Published by Elguja Medzmariashvilis with co-authors articles						
267.	VII.1	A Single-Span Dual Transformation Deployable Bridge	Print	Scientific Journal of IFToMM “Problems of Mechanics”. Tbilisi 2010, 3 (40) ISSN 1512-0740	7 p. (25-31)	M. Sanikidze V. Gogilashvili N. Tsignadze L. Filipenko G.Medzmariashvili
268.	VII.2	Schematic Structural Diagram of the Deployable Bridge and Load-Bearing Conditions Analysis of the System	Print	Scientific Journal of IFToMM “Problems of Mechanics”. Tbilisi 2010, 4 (41) ISSN 1512-0740	6 p. (72-77)	V. Gogilashvili M. Sanikidze N. Tsignadze G.Medzmariashvili
269.	VII.3	Structure and Kinematic Analysis of Transformable Force Ring	Print	Scientific Journal of IFToMM “Problems of Mechanics”. Tbilisi 2010, 4 (41) ISSN 1512-0740	6 p. (90-95)	V. Gogilashvili Sh.Tserodze M. Sanikidze N. Tsignadze M. Nikoladze E. Logachevi
270.	VII.4	Structure of Space Reflector Force Ring	Print	Journal of IFToMM “Problems of Mechanics”. Tbilisi 2011, 2 (43) ISSN 1512-0740	8 p. (28-35)	Sh.Tserodze M. Sanikidze M. Nikoladze N. Tsignadze V. Gogilashvili E. Logachevi
271.	VII.5	Mobile Bridgelayer Elevator on the Bases of Tank “Leopard-2”	Print	IFToMM “Problems of Mechanics”. Tbilisi 2011, 3 (44) ISSN 1512-0740.	5 p. (22-26)	O. Tusishvili M. Sanikidze G. Medzmariashvili

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VII Published by Elguja Medzmariashvilis with co-authors articles (continuation)						
272.	VII.6.	Transformation of Deployable Bridge Mechanisms	Print	Scientific Journal of IFToMM “Problems of Mechanics”. Tbilisi 2011, 4 (45) ISSN 1512-0740.	5 p. (72-76)	V. Gogilashvili M. Sanikidze G.Medzmariashvili
273.	VII.7.	Experimental Research Reflecting Mesh of Reflector	Print	Scientific Journal of IFToMM “Problems of Mechanics”. Tbilisi 2011, 4 (45) ISSN 1512-0740.	7 p. (58-64)	O. Tusishvili M. Sanikidze N. Tsignadze et al.
274.	VII.8.	CONSTRUCTIVE LOGIC OF MECHANICAL SUPPORTING RING REFLECTOR.	Print	“Problems of Mechanics”. Tbilisi, 2012, 4(49), (Engl.).		
275.	VII.9.	CONICAL REFLECTOR DEPLOYABLE RING STRUCTURE WITH V-FOLD BAR'S.	Print	“Problems of Mechanics”. Tbilisi, 2012, 4(49), (Engl.).		Sh. Tserodze, N. Tsignadze, O. Tusishvili, J. Santiago-Prowald.
276.	VII.10.	Kinematic analysus of deployable bridge transformable system.	Print.	“Mshenebloba”, Scientific-technical Journal, Tbilisi, 2012, № 3 (26).	გვ. 6-14.	კ. გოგილაშვილი, მ. სანიკიძე, გ. მექმარიაშვილი, ვ. კაპანაძე.
277.	VII.11.	Theoretical and experimental study of reflector antenna.	Print	“Problems of Mechanics”. Tbilisi, 2012, 4(49).	pp. 71-83.	G. Bedukadze, K. Chkhikvadze, M. Sanikidze.
278.	VII.12.	Mechanical Supporting Ring Structure.	Print	CEAS Space Journal of European Aerospace Societies. ISSN 1868-2502. Published online: June 2013.	10 p.	Sh. Tserodze J. Santiago-Prowald.
279.	VII.13.	The possible options of conical v-fold bar ring's deployment with flexible pre-stressed center.	Print	CEAS Space Journal of European Aerospace Societies. ISSN 1868-2502. Pablished online: June 2013.	9 p.	
280.	VII.14.	V-fold bar deployable ring with deployable besring ring.	Print	WWW.grin.com . 2013.	10 p.	M. Sanikidze, L. Datashvili, O. Tusishvili.

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VII Published by Elguja Medzmariashvilis with co-authors articles (continuation)						
281.	VII.15.	New constructions of Lightweight deployable reflectors		International scientific journal “Problems of mechanics” 4 (57)/2014	9 p.	N. Tsignadze L. Datashvili, N. Medzmariashvili
282.	VII.16.	Analysis of critical and system transformation resistance forces in straight deployable spatial element from longitudinal stability condition”.		International scientific journal “Problems of mechanics” 3(60)/2015	7 p	Sh. Tserodze, A. Sarchimelia, N. Tsignadze
283.	VII.17.	Definition of interdependencies of forces acting on transformable pantograph ring for different variants of kinematical schemes of deployment”.		International scientific journal “Problems of mechanics” 4(61)/2015	7 p	M. Sanikidze, N. Tsignadze N. Medzmariashvili
284.	VII.18.	Different Scheme of Arranging Reflective Surface in Deployable Space Reflector Antenna		International scientific journal “Problems of mechanics” 4(65)/2016		N. Tsignadze, M. Sanikidze, N. Medzmariashvili
285.	VII.19.	The Space reflectory autonomous complex		International scientific journal “Problems of mechanics” 4(65)/2016		N. Tsignadze, Z. Gviniashvili, A. Khatelashvili
286.	VII.20.	Vineyard protective against hail autonomous system		Transactions of Georgian Technical University № 2(500), Tbilisi, 2016.	9პპ.	მ. სანთკიძე ბ. წიგნაძე ბ. მექსარიასვილი
287.	VII.21	Structural features of mechanical support frame for improvement of space reflector’s accuracy		International scientific journal “Problems of mechanics” 3(68)/2017	10 p	Sh.Tserodze, M.Nikoladze, A.Chafodze
288.	VII.22.	New structure proposed in extreme situations of wind generator and solar energy transformer		Transactions of Georgian Technical University №1 (507), Tbilisi, 2018.	4პპ.	G. Partskhaladze R. Tkeshelashvili

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VII Published by Elguja Medzmariashvilis with co-authors articles (continuation)						
289.	VII.23.	Complex facilities fro extreme conditions	Print.	National Academy of Sciences of Georgia, Journal „Moambe“ 12 (1)	7 p.	G. Partskhaladze G. Khazaradze R. Tkeshelashvili
290.	VII.24.	System of air-space defence and its different and aimed configuration, necessity of orbital complex dev in Georgia	Print.	“Military Science. Georgia”. №1(001). ISSN- -25587-523X. National Academy of Sciences of Georgia. Tbilisi, 2018.	10 p	G. Partskhaladze G. Khazaradze
291.	VII.25.	New rapid-erected, mechanized and transformirmable bridges for extreme situations	Print.	Transactions of Georgian Technical University №1 (507), Tbilisi, 2018.	10 p.	G. Partskhaladze R. Tkeshelashvili
292.	VII.26.	New foldable mechanical supporting ring structure for space antennas	Print	International scientific journal of IFToMM “Problems of Mechanics”, 4(73), Tbilisi 2018.	6 p	Sh.Tserodze, N. Tsignadze, A. Chapodze, M. Muchaidze
293.	VII.27.	Analysis of New foldable mechanical supporting ring for space antennas	Print	International scientific journal of IFToMM “Problems of Mechanics”, 4(73). Tbilisi 2018.	8 p	Sh.Tserodze, K. Chkhikvadze, N. Tsignadze, M. Muchaidze
294.	VII.28.	"Buckling Analysis and Stability of Compressed Low-Carbon Steel Rods in the Elastoplastic Region of Materials"	Print	Advances in Civil Engineering; Great Britain, London, 2019	6 p	Gaioz Partskhaladze , Ingusha Mshvenieradze Gocha Chavleshvili, Victor Yepes , and Julian Alcalá
295.	VII.29.	"The Use of New Approaches in Civil Engineering Decisions for Disaster Risk Reduction."	Print	4th International Symposium on Innovative Approaches in Architecture, Planning and Design, SETSCI Conference Proceedings 4 (7), 2019		Gaioz Partskhaladze, Guram Gabrichidze, Teimuraz Melkadze, Merab Khalvashi,

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296.	VII.30.	Modified design of the deployable mesh reflector antenna for mini satellites	Print	CEAS Space Journal of European Aerospace Societies: CEAS Space Journal: Original Paper. 13.01.2021 https://link.springer.com/article/10.1007/s12567-020-00346-0	9 p	O. Sushko, Sh. Tserodze, G. Medzmariashvili, M. Nikoladze, S. Khoroshylov, S. Martyniuk, V. Vasyliiev and oth.
297.	VII.30.	New design modifications of the supporting ring for a large deployable space reflector	Print	CEAS Space Journal of European Aerospace Societies: CEAS Space Journal: Original Paper. 13 , 27.08.2021 pp 175-182 https://link.springer.com/article/10.1007/s12567-020-00332-6	9 p	Sh. Tserodze, M. Sanikidze C.G.M. van 't Klooster, M. Muchaidze, M. Nikoladze, A. Chapodze, I. Sigua
298.	VII.31.	"Heuristic Optimization of a New Type of Prestressed Arched Truss"	Print	Materials, Volume 15; MDPI Headquarter Basel, Switzerland, 2022.	8 p	Gaioz Partskhaladze , Ingusha Mshvenieradze, Gocha Chavleshvili, Victor Yepes , and Julian Alcala
299.	VII.32.	Dynamics and Attitude Control of Space-Based Syntetic Aperture Radar.	Print	De GRUYTER. Nonliner Engineering, 2023. Dynamics and attitude control of space-based syntetic aperture radar (degruyter.com)	20 p	Serhii Khoroshilov Serhii Martyniuk Oleksandr Sushko Volodymyr Vasiliev William Woods

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X Presented on Scientific Conferences and Symposiums by Elguja Medzmariashvilis with co-authors Scientific Reports in Transactions						
300.	X.1.	The perspectives of Suspension Systems' Application in Deployable Space Reflector Antennas.	Print	32 th ESA Antenna Workshop on Challenges for Space Antenna Sistsems, 5-8 October 2010. ESTEC, Noordwijk, The Netherlands.		N. Tsignadze A. Sokhadze V. Medzmariashvili G. Medzmariashvili
301.	X.2.	12 meter Rotating Deployable Reflector Antenna	Print	33 th ESA Antenna Workshop on Challenges for Space Antenna Sistsems, 18-21 October 2011. ESTEC, Noordwijk, The Netherlands.		Tsignadze N. Tserodze Sh. Tusishvili O. Gogilashvili V. et al.
302.	X.3.	Deployable military bridge	Print.	Contemporary Problems of Technology. National Scientific Conference dedicated to 70 Anniversary of National Academy of Sciences of Georgia. Tbilisi. 22 June 2011.		V. Kapanadze
303.	X.4.	Structure of transformable bi-cone force ring	Print. Print.	Dedicated to memory of academician T. Loladze International Scientific Conference "Innovative technologies and materials". 24-17 October 2011. Publishing house "Technical University", ISBN 978-9941-20-011-3 http://www.gtu.ge/publishinghouse/	12 p. 208-219	Sh. Tserodze, S. Provald, m. janikashvili N. Tsignadze et al.
304.	X.5.	Main directions of selection, determination and systematization of Georgian military terms and concepts	Print	Scientific Conference – "Study and systematization of Georgian military terms and their definitions". თბილისი, სასტუმრო "Sheraton Metekhi Palace", Conference Hall "Kala". 7 December 2011.		
305.	X.6.	The Newly Structured Deployable Bridge With 48 meter Span Abstract. Taller, Longer, Lighter.		IABSE – IASS Symposium, London. 2011.	11 გვ. 12 p.	

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306.	X.7.	CONSTRUCTIVE LOGIC OF REFLECTOR CREATED WITH DOUBLE PANNTOGRAPH DEPLOYABLE LOAD-BEARING RING	Print	Proceedings of ESA Antenna Workshop on Large Deployable Antennas. 2 - 3 October 2012. ESTEC, Noordwijk, The Netherlands.		N. Medzmariashvili
307.	X.8.	"THE POSSIBLE OPTIONS OF CONICAL V-FOLD BAR RING'S DEPLOYMENT WITH FLEXIBLE PRE-STRESSED CENTER".	Print	Proceedings of ESA Antenna Workshop on Large Deployable Antennas. 2 - 3 October 2012. ESTEC, Noordwijk, The Netherlands.		H.baier, L. Scialino, J. Santiago-Prowald, C. Mangenot and others
308.	X.9.	"THE STRUCTURE OF CONICAL REFLECTOR WITH V-FOLD BAR'S DEPLOYABLE RING".	Print	Proceedings of ESA Antenna Workshop on Large Deployable Antennas. 2 - 3 October 2012. ESTEC, Noordwijk, The Netherlands.		Tserodze Sh. Tsignadze N. Tusishvili O. et al.
309.	X.10.	"DESIGN OF REFLECTOR WITH DOUBLE PANTOGRAPH AND FLEXIBLE CENTER"	Print	Proceedings of ESA Antenna Workshop on Large Deployable Antennas. 2 - 3 October 2012. ESTEC, Noordwijk, The Netherlands.		C.G.M. van't Klooster , H. Baier. Tserodze Sh. and other.
310.	X.11.	"MECHANICAL SUPPORTING RING STRUCTURE".	Print	Proceedings of ESA Antenna Workshop on Large Deployable Antennas. 2 - 3 October 2012. ESTEC, Noordwijk, The Netherlands.		Tserodze Sh. Tsignadze N. Tusishvili O. N. Medzmariashvili et al.
311.	X.12.	Theoretical and experimental study of load-bearing deploying ring designed by double pantograph principle and of reflector antenna having elastic center.	Print	Proceedings of ESA Antenna Workshop on Large Deployable Antennas. 2 - 3 October 2012. ESTEC, Noordwijk, The Netherlands.		G. Bedukadze , M. Janikashvili , K. Chkhikvadze , N. Gogilashvili , M. Sanikidze et al.

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312.	X.13	Erection cycle of deployable space reflectors using the functional and technological screen mesh.	Print	The 2 nd International Scientific Conference – Advanced Lightweight Structures and Reflector Antennas, ESA/Technische Universitaet Muenchen/GTU, Tbilisi, Georgia, 1-3 October, 2014		M.Sanikidze, O.Tusishvili, G.Gratiashvili
313.	X.14	New constructions of Lightweight deployable reflectors	Print	The 2 nd International Scientific Conference – Advanced Lightweight Structures and Reflector Antennas, ESA/Technische Universitaet Muenchen/GTU, Tbilisi, Georgia, 1-3 October, 2014		Julian Santiago-Prowald, Cyril Mangenot, Horst Baier
314.	X.15	Dimensional Stability and Shape-Accuracy of Shell-Membrane Reflecting Surfaces made of Fiber-Reinforced Elastomers	Print	The 2 nd International Scientific Conference – Advanced Lightweight Structures and Reflector Antennas, ESA/Technische Universitaet Muenchen/GTU, Tbilisi, Georgia, 1-3 October, 2014		Leri Datashvili, Horst Baier, Stephan Endler
315.	X.16	Design and Calculation of the Surface of Space Parabolic Antenna on the Basis of Discrete Conception	Print	The 2 nd International Scientific Conference – Advanced Lightweight Structures and Reflector Antennas, ESA/Technische Universitaet Muenchen/GTU, Tbilisi, Georgia, 1-3 October, 2014		David Pataraiia, George Baliashvili, Edisher Tsoetseria
316.	X.17.	Conical V-fold Bar Ring with Flexible Prestressed Center	Print	The 2 nd International Scientific Conference – Advanced Lightweight Structures and Reflector Antennas, ESA/Technische Universitaet Muenchen/GTU, Tbilisi, Georgia, 1-3 October, 2014		N.Tsignadze, J.Santiago Prowald, L.Dataashvili
317.	X.18.	Ideology for Creation the Large Size Space Reflector Autonomous Complex	Print	International Scientific Conference, 37 th ESA Antenna Workshop. 15-17 November 2016, ESA/ESTEC, Noordwijk, The Netherlands.		N. Tsignadze, Z. Gviniashvili, A. Khatelashvili, G. Partskaladze
318.	X.19.	Different scheme of reflective display attachment of deployable space refflector flexible center with V-folded ring.	Print	International Scientific Conference, 37 th ESA Antenna Workshop. 15-17 November 2016, ESA/ESTEC, Noordwijk, The Netherlands.		N. Tsignadze, M. Sanikidze, N. Medzmariashvili.
319.	X.20.	A mechanical support frame for space reflector and method of deployment of the same	Print	Workshop on Large Deployable Antennas”. 15 - 17 November 2016. ESTEC, Noordwijk, The Netherlands.	8 p	Sh.Tserodze, J. Santiago Prowald; M. Nikoladze.

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320.	X.21.	Folding metal bridge with falcate modules – KM 02 T.	Print	National Accelerated Bridge Construction Conference Florida International University, Miami, Florida, USA, Desember 7-8, 2017.		N. Tsignadze, M. Sanikidze, G. Medzmariashvili.
321.	X.22.	"The Use of Modern Engineering Decisions in Buildings for Disaster Risk Reduction"	Print	9 th International Conference Contemporary Problems of Architecture and construction. 2017.		Guram Gabrichidze, Gaioz Partskhaladze, Gocha Chavleshvili
322.	X.23.	New design variant of the mechanical ring structure for large deployable space reflector	Print	Proceedings of the 3rd International Conference "Advanced Lightweight Structures and Reflector Antennas", 19 – 21 September 2018, Hotel Courtyard Marriott, Tbilisi, Georgia ISBN 978-9941-8-0511-0	8 p	C.G.M. van 't Klooster, Sh. Tserodze M. Muchaidze, K. Chkhikvadze, M. Nikoladze
323.	X.24.	On annular, spherical and toroidal reflector antennas	Print	Proceedings of the 3rd International Conference "Advanced Lightweight Structures and Reflector Antennas", 19 – 21 September 2018, Hotel Courtyard Marriott, Tbilisi, Georgia	10 p	C.G.M. van 't Klooster, Sh. Tserodze
324.	X.25.	New Schemes of Folding Power Structures and Parameters of Space Reflectors Developed in Georgia	Print	Proceedings of the 3rd International Conference "Advanced Lightweight Structures and Reflector Antennas", 19 – 21 September 2018, Hotel Courtyard Marriott, Tbilisi, Georgia ISBN 978-9941-8-0511-0	7 p	E. Medzmariashvili, N. Tsignadze, N. Chikhradze, L. Japaridze, K. Chkhikvadze, R. Tkeshelashvili,
325.	X.26.	Multiple Use Deployble-Folding Large-Scale Space Reflector.	Print	Proceedings of the 3rd International Conference "Advanced Lightweight Structures and Reflector Antennas", 19 – 21 September 2018, Hotel Courtyard Marriott, Tbilisi, Georgia ISBN 978-9941-8-0511-0	8p	M.Polyakov, I.Khanin, G.Partskhaladze, G.Medzmariashvili, T.Kikava, N.Medzmariashvili

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X Presented on Scientific Conferences and Symposiums by Elguja Medzmariashvilis with co-authors Scientific Reports in Transactions (continuation)						
326.	X.27.	Modeling and Analysis of a Space Reflector Antenna Taking into Consideration Extreme Temperate of Environment and Other	Print	Proceedings of the 3rd International Conference "Advanced Lightweight Structures and Reflector Antennas", 19 – 21 September 2018, Hotel Courtyard Marriott, Tbilisi, Georgia ISBN 978-9941-8-0511-0	8 p	D.Pataraia, G.No zadze, R.Maisuradze, G.Baliashvili, K.Chkhikvadze, E.Tsotseria, G.Purtseladze
327.	X.28.	Construct deployable structures	Print	Proceedings of the 3rd International Conference "Advanced Lightweight Structures and Reflector Antennas", 19 – 21 September 2018, Hotel Courtyard Marriott, Tbilisi, Georgia ISBN 978-9941-8-0511-0	8 p	M.Janikashvili, A.Tsiklauri, L.Filipenko, O.Tusishvili, M.Nikoladze, G.Bedukadze, D.Pataraia
328.	X.29.	Novel design of deployable mesh reflector antenna for mini satellites	Print	ESA Antenna Workshop – Antenna Developments for Terrestrial and Small-Space Platforms 8-10 October 2019, Noordwijk, The Netherlands	8 p	O. Sushko, Sh.Tserodze, G. Medzmariashvili, M. Nikoladze, D. Vasylenko, O. Shpylka, S. Khoroshylov, S. Martyniuk, W.W. Woods, V. Vasyliiev
329.	X.30.	"The Use of New Approaches in Civil Engineering Decisions for Disaster Risk Reduction"	Print	ISAS Conference: 4th International Symposium on Innovative Approaches in Architecture, Planning and Design, SETSCI Conference Proceedings 4 (7), 2019.	6 p	GaiozPartskhaladze, Guram Gabrichidze, Teimuraz Melkadze, Merab Khalvashi,

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List of Elguja Medzmariashvili Scientific Works

1	2	3	4	5	6	7
X Presented on Scientific Conferences and Symposiums by Elguja Medzmariashvilis with co-authors Scientific Reports in Transactions (continuation)						
330.	X.31.	Design and Analysis of Light-Weight Deployable Mesh Reflector Antenna for Small Multibeam SAR Satellite		EUSAR 2021; 13th European Conference on Synthetic Aperture Radar; 29 March-1 April 2021 online. Date Added to IEEE Xplore: 02 July 2021 ISBN:978-3-8007-5457-1 https://ieeexplore.ieee.org/abstract/document/9472579		O. Sushko S. Tserodze, D. Vasylenko O. Shpylka S. Khoroshylov S. Martyniuk V. Vasyliiev.

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List of Elguja Medzmariashvili Scientific Works

№	Position	Title of invention	Printed, manuscript or internet	Registration data	Notes	Coauthors
1	2	3	4	5	6	7
XII Elguja Medzmariashvilis inventions						
331.	XII.1.	Deployable space reflector “E&GM”-1”	Print.	Georgia patent certificate on invention № P 5298. Priority 29.03.2007. Date of issue 2011-11-22.	With co-authors	G. Medzmariashvili
332.	XII.2.	Deployable bridge and bridge launcher	Print.	Georgia patent certificate on invention № P 5297. Priority. 29.03.2007. Date of issue 2011-11-22.	With co-authors	G. Medzmariashvili
333.	XII.3.	Deployable bridge.	Print.	Georgia patent certificate on invention № P 5554. Priority 2008-01-29. Date of issue 2012-07-02.	With co-authors	G. Medzmariashvili
334.	XII.4	Floating on water deployable-retractable facility “E&GM”-3	Print.	Georgia patent certificate on invention № P 5455. Priority 2007-03-29. Date of issue 2012-05-18.	With co-authors	G. Medzmariashvili
335.	XII.5	Protecting plants from hail device	Print.	Patent №GEP5979, National Intellectual Property Center of Georgia Sakpatenti, Georgia, 2013	With co-authors	G. Medzmariashvili N. Medzmariashvili M. Sanikidze
336.	XII.6.	Mechanized bridge and bridge launcher	Print.	Patent №GEP6066, National Intellectual Property Center of Georgia Sakpatenti, საქსატენტი, 2014	With co-authors	G. Medzmariashvili N. Medzmariashvili M. Sanikidze

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XII ელბუჯა მექმარიაშვილის სამეცნიერო ნაშრომები (ბაზრქმელებ)						
337.	XII.7.	Mechanical support ring structure	Print.	აშშ-ს პატენტი - Patent N: US 9153860 B2, 2015.	With co-authors	J. Santiago-provald, Sh. Tserodze N. Medzmariashvili N. Tsignadze.
338.	XII.8.	Mechanical support ring structure	Print.	European patent - Patent N: EP 2825827 A1, 2015.	With co-authors	J. Santiago-provald, Sh. Tserodze N. Medzmariashvili N. Tsignadze.
339.	XII.9.	Deployable Antenna Frame	Print.	European patent - Patent N: EP2904662 B1, 2016.	With co-authors	J. Santiago-provald, Sh. Tserodze N. Medzmariashvili N. Tsignadze.
340.	XII.10.	Deployable Antenna Frame	Print.	USA Patent - Patent N: US 9660351 B2, 2017.	With co-authors	J. Santiago-provald, Sh. Tserodze N. Medzmariashvili N. Tsignadze.
341.	XII.11.	Mechanical supporting ring of space reflector and its deployment method”	Print.	National Intellectual Property <i>Center of Georgia</i> Sakpatenti. Patent № P 6801. 2018-02-05	With co-authors	შ. წეროძე ჯ. ს. პროვალდი, დ. შალინო, ნ. მექმარიაშვილი ნ. წიგნაძე, მ. ნიკოლაძე.
342.	XII.12.	Deployable reflector	Print.	National Intellectual Property <i>Center of Georgia</i> Sakpatenti. P 20237491 B.		
343.	XII.13.	DEPLOYABLE REFLECTOR	Print.	International Classification Index: H01Q15/20. 2022 წ.		

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