

# **List of scientific and educational - methodical works**

**Tamar Tsertsvadze**

#	Title of scientific works	Printed or handwritten	Publisher magazine (issue, year) or copyright certificate number	Number of papers or pages printed	Last name of the co-author
1	2	3	4	5	6
1	Ecological condition of Tbilisi air basin 2010-2011	Printed	Energy Scientific and technical journal 3(63) Tbilisi 2012	4	Z. Svanidze I. Svanidze
2	Metal pollution degree of rustavi urban-industrial environment according to 2009-2011 data and sources of pollution	Printed	Mining journal 2(29) Tbilisi 2012	4	Z. Svanidze I. Svanidze
3	Requirements of maintenance of stable development in spheres of protection of environment of Georgia	Printed	„Authority and Society №4(24) Tbilisi 2012	5	G. Gunia Z. Svanidze I. Svanidze
4	Requirements of maintenance of stable development in spheres of protection of environment of Georgia	Printed	International Conference „Authority and Society Tbilisi 2012	5	G. Gunia Z. Svanidze I. Svanidze

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5	The content of toxic metals in vegetables and fruits of some regions of Georgia and observance of ecological safety	Printed	Mining journal 1(30) Tbilisi 2013	4	G.Gunia Z. Svanidze I. Svanidze
6	Obtaining complex alloys using industrial and household waste with environmentally friendly technology	Printed	Energy Scientific and technical journal 1(65) Tbilisi 2013	3	Z. Svanidze B. GOGICHASHVILI
7	Determining the content of heavy metals and nitrates in vegetables grown in some villages of Kazreti region	Printed	Energy Scientific and technical magazine 1(69) Tbilisi 2014	3	Z. Svanidze B.GOGICHASHVILI Z.Beriashvili
8	Out-of-furnace treatment of liquid steel and environmental monitoring of the emitted gas	Printed	Energy Scientific and technical magazine 2(70) Tbilisi 2014	4	Z. Svanidze B. GOGICHASHVILI N. Mxoidze
9	pollution degree of Tbilisi air reservoir by some heavy metals by 2011–2013 years data	Printed	Mining journal 1(32) Tbilisi 2014 .	3	Z. Svanidze B. GOGICHASHVILI
10	Mathematical calculation of an activity of metallurgical slag components and experimental check of results	Printed	Energy Scientific and technical magazine 2(74) Tbilisi 2015	4	B.Gogichashvili. A Papiashvili

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11	Liquid eteel treatment with exothermic slagproducing mixture	Printed	technologies in metallurgy and materials Innovative science International Conference 16-18 July,2015 Tbilisi, Georgia	2	B.Gogichashvili
12	Mathematical modeling of distribution of carbon and sulfur in the slug in the process of continuons casting	Printed	Mining journal N 1(34) Tbilisi, 2016	3	B.Gogichashvili A Papiashvili
13	Stady of surfacephenomena between the steel and the slag through titan-contained multicomponent alloy	Printed	Intellectual N 34 Tbilisi, 2017	5	B.Gogichashvili A Papiashvili
14	Metallurgical Enterprises and Ecology	Printed	Publishing House Technical University Tbilisi, 2020 The lecture course CD -6226.	106	
15	Thermodynamic Analysis of Interaction of Components in the SiO <sub>2</sub> -C System: Improvement of Technical Silicon Production Technological Process	Printed	Physics and Chemistry of Solid State, ISSN 1729-4428 , vol. 22, No.2 (2021)pp. Ukraine , 2021 IF	8	I. Janelidze G. Jandieri
16	Manufacture of special pipes by the method of heading	Printed	„Georgian Scientists” magazine 4(02), 2022. Tbilisi. Association for Science,	10	N Kanteladze A.Gordeziani  N kenchiasvili G.Gordeziani  T Tsilosani

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17	Research of Leaching Process and Intensification of Parameters of Arsenic containing Sulfide raw materials		Georgian Technical University. Georgian Chemical Journal	9	T.Tsilosani, Z. Sabashvili, T. Buchukuri, N. Rachvelishvili
18	Social Environment - Problems and their analysis	Printed	TRANSPORT AND MACHINEBUILDING №2 (54) 2022	5	N. Butkhuzi
19	CALCULATION OF PARAMETERS OF A GAS- HYDRAULIC FORGING MACHINE	Printed	“Problems of Mechanics”, № 2(87), Tbilisi, 2022	7	T Natriashvili S. Mebonia, A.Shermazanashvili
20	Equipment and planning of steelmaking workshops (Guidebook)	Printed	Publishing House Technical University Tbilisi, 2013	143	B. Gogichashvili Z. Svanidze
21	Theory of metallurgical processes	Printed	Publishing House Technical University Tbilisi, 2016	80	B.Gogichashvili A Papiashvili N. Mxeidze
22	Main equipment and design solutions of metallurgical enterprises	Printed	Publishing House Technical University Tbilisi, 2019	94	B. Gogichashvili
23	Development of new scheme of tube rolling unit	Printed	“Problems of Mechanics”, № 2(739), Tbilisi, 2022	5	S. Mebonia J. Melkadze G. Otashvili

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