

**Roin Enageli's Publications**  
**Published Articles for 2014–2024**

#	Titles of Scientific Works	Printed or handwritten	Publisher, journal (issue, year), or copyright number	Number of printed pages	Surname of the co-author
1	2	3	4	5	6
1	Devices for continuous measurement of relevant quantities in enrichment processes with control methods	Printed	“Mining Journal” #2(33) 2014, pp. 35-38	4	M. Gamtsemlidze M. Tutberidze
2	“Mathematical Model Analysis of the Copper Flotation Process”	Printed	“Mining Journal” #2(35), Tbilisi, 2015, pp. 25-28	4	A. Shekiladze
3	Optimization of the Enrichment Process of Manganese Ore on a Diaphragm Sedimentation Machine.	Printed	“Engineering news of Georgia”, #1(77), 2016, pp. 70-80	11	M. Gamtsemlidze, G. Javakhishvili, Z. Arabidze, M. Tutberidze, T. Rukhadze, D. Tevzadze
4	Optimal control system for a diaphragm sedimentation machine.	Printed	Collection of Scientific Works of Georgian Technical University. Publishing House „Technical University“ #3, 2016, p. 84.	8	M. Gamtsemlidze, G. Javakhishvili
5	Device for evaluating the enriching capacity of copper-gold-bearing ores.	Printed	“Mining Journal” #1(36), Tbilisi, 2016; pp. 45-49.	5	M. Gamtsemlidze, D. Talakhadze, N. Ghughunishvili
6	Method of controlling a diaphragm sedimentation machine taking into account an additional control size.	Printed	“Mining Journal” #1(36), Tbilisi, 2016; pp. 41-44.	4	M. Gamtsemlidze, T. Rukhadze, M. Tutberidze, N. Ghughunishvili, N. Samkharadze
7	Optimization of the flotation process through adjusting modes	Printed	Collection of Scientific Works of Georgian Technical University.	8	M. Oniani

			Publishing House “Technical University” #4, 2016, p. 73.		
8	Study of the flotation process of refractory copper-gold ore from the ore-bearing deposit with the aim of optimal control	Printed	“Engineering News of Georgia” #4(80), 2016. pp. 90-95	6	M. Gamtsemlidze, D. Talakhadze N. Javakhishvili, N. Samkharadze, M. Tutberidze
9	Optimization of the flotation process of refractory copper-gold ore from the ore-bearing.	Printed	Collection of Scientific Works of Georgian Technical University. Publishing House „Technical University“ #3(505)- 2017, p. 73.	8	_____
10	A crushing device of an improved design with a control mechanism	Printed	“Mining Journal” #1(40), Tbilisi, 2018; pp. 41-44.	4	M. Gamtsemlidze, M. Tutberidze
11	Research on the Technology of Pre-Enrichment of Gold-Bearing Polymetallic Ores	Printed	Collection of Scientific Works of Georgian Technical University. Publishing House Technical University #1(515)- 2020, pp. 94-100.	7	D. Talakhadze, M. Gamtsemlidze
12	Method of Pre-Enrichment of Gold-Bearing Polymetallic Ore	Printed	“Journal of Earth and Environmental Sciences Conference Series #609, 2020 IOP Conference Series: Earth and Environmental Science, Volume 609, 2020. doi:10.1088/1755-1315/609/1/012034.	12	M. Gamtsemlidze, D. Talakhadze, A. Shekiladze, M. Tutberidze.
13	Study of the Crushing Process of Polymetallic Ores from the Perspective of Automatic Control	Printed	“Mining Journal” #1(44), Tbilisi, 2021; pp. 40-44.	5	M. Gamtsemlidze, D. Talakhadze, A. Shekiladze, I. Samkharadze, M. Tutberidze

Georgian patent on invention

#	The title of patent	Copyright certificate number	Co-authors
1.	The method of automatic control of the diaphragm sedimentation machine	Patent on invention GE U 1962, 03.12.2018 year.	M. Gamtsemlidze, T. Rukhadze, M. Tutberidze, N. Ghughunishvili, N. Samkharadze.

**Methodological Works**

#	Titles of Scientific Works	Printed or handwritten	Publisher, journal (issue, year), or copyright number	Number of printed pages	Surname of the co-author
1.	“Means of Control and Management of Mining Processes. Guidelines for carrying out Practical Works	Printed	Publishing House “Technical University”. Tbilisi, 2023, p.108 <b>ISBN 978-28-948-4</b> <a href="http://www.gtu.ge">http://www.gtu.ge</a>	108	M. Oniani, O. Rcheulishvili
2.	“Automation of Mineral Extraction Processes”. Guidelines for carrying out Practical Works	Printed	Publishing House “Technical University”. Tbilisi, 2021, p. 85 <b>ISBN 978-9941-28-711-4.</b> <a href="http://www.gtu.ge">http://www.gtu.ge</a>	85	M. Oniani
3.	“Automation of Mineral Enrichment Processes” Guidelines for carrying out Practical Works	Printed	Publishing House "Technical University", Tbilisi, 2015.	62	M. Oniani
4.	“Fundamentals of Mining Automation” Guidelines for carrying out Practical Works	Printed	Publishing House "Technical University", Tbilisi, 2016.	62	M. Oniani
5	Automation of mining extraction processes	Printed	Publishing house “Technical University”, 2021	85	M. Oniani

6.	Control and operation methods of mining processes	Printed	Publishing house "Technical University", 2023	104 pages	M. Oniani, O. Rcheulishvili
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### Scientific Conferences

1.	About the Optimization of Technological Processes for Mineral Enrichment	Printed	Materials of the XIII International Conference "Resource-Producing, Low-Waste, and Environmental Technologies in Subsoil Development" - Moscow-Tbilisi, September 15-21, 2014, page 62.	1	—
2.	Continuous Measuring of Problematic Enrichment Processes Using Control Methods, (Poster Session)	Printed	Materials of the XIII International Conference "Resource-Producing, Low-Waste, and Environmental Technologies in Subsoil Development" - Tbilisi. September 15-21, 2014. Conference Program. Pages 17-19.	1	M. Gamtsemlidze
3.	About Optimization of Processes for Mineral Enrichment	Printed	Theses of reports from the scientific conference "Current Issues in Mining and Geology", dedicated to the 100th anniversary of Academician A. Dzidziguri. Tbilisi, December 26, 2014, page 12	1	—
4.	Study of the flotation process of copper-gold ore for optimal management.	Printed	3 <sup>rd</sup> Annual Open Scientific Conference "Actual Problems of Mining and Geology" Grigol Tsulukidze Mining Institute. Tbilisi 09.12.2016. p. 11	1	M. Gamtsemlidze, D. Talakhadze, G. Javakhishvili, N. Samkharadze
5.	Improved Technology and Control Methods for Refractory Manganese Products	Printed	4 <sup>th</sup> Annual Open Scientific Conference "Actual Problems of Mining and Geology" Grigol Tsulukidze Mining Institute. Tbilisi 08.12.2017. p. 11	2	M. Gamtsemlidze, M. Tutberidze
6.	Enhancing Enrichment of Manganese Ores in Technological Processes Considering Additional	Printed	5 <sup>th</sup> Annual Open Scientific Conference "Actual Problems of Mining and Geology" Grigol	2	M. Gamtsemlidze, D. Talakhadze, A. Shekiladze,

	Regulatory Volumes and New Control Methods		Tsulukidze Mining Institute. Tbilisi 14.12.2018. p. 15		M. Tutberidze
7.	Increasing the Enrichment Capacity of Gold-Bearing Polymetallic Ores through Pre-enrichment	Printed	6 <sup>th</sup> International Scientific and Practical Conference “Development of Mining and Geology – Necessary Condition for Economic Revival”, September 24, 2020, Tbilisi, p. 24	1	M. Gamtsemlidze, D. Talakhadze, A. Shekiladze, M. Tutberidze
8.	Method for pre-enrichment of gold-bearing polymetallic ore	Printed	6 <sup>th</sup> Multidisciplinary World Symposium on Earth Sciences, Czech Republic, Prague, September 7-11, 2020	2	M. Gamtsemlidze, D. Talakhadze, A. Shekiladze, M. Tutberidze

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