

List of scientific and learning and teaching works (1983-2023)

Nino Otari Imnadze

№	Title	Printed or hand- written	Publishing House, Journal (Number, Year) or Number of Certificate of Authorship	Number of printed sheets or pages	Coauthors
1	2	3	4	5	6
1	Some aspects of environment protection in Georgian SSR	Printed	Problems of ecology and environment protection, vol. 1, Tbilisi, Publishing House of GTU, 1983, pp. 192-193	2	Nakani D.V.
2	On the species composition of the Black Sea coastal band seaweeds of Georgia	Printed	Journal "Nature of Georgia", 2, 1985, p. 20	1	
3	Seasonal dynamics of total quantity, biomass and primary production of phytoplankton of Black Sea Batumi bay	Printed	Placed on deposit in AISTI, №2927.B. 1985, p. 5	1	
4	On combined action of nitrogen and petroleum on the number of basic species of phytoplankton production of Black Sea Batumi bay	Printed	Placed on deposit in AISTI, №2927.B. 1985, p.4	1	
5	Combined action of nitrogen and petroleum on the primary production of phytoplankton of Black Sea Batumi bay	Printed	Placed on deposit in AISTI, №2927.B. 1985, p.4	1	
6	Coordination compounds of cobalt (III), nickel (II), zinc and cadmium thiocyanates with 2-aminopyridine derivatives		GTU Scientific-technical conference of professors and teachers, Tbilisi, 16-19 November, 1993	1	G. Tsintsadze L. Napetvaridze
7	Coordination compounds of cobalt (II), nickel (II), zinc and cadmium thiocyanates with 2-aminopyridine derivatives	Printed	GTU Scientific-technical conference of professors and teachers, Tbilisi, 16-19 November, 1993, p. 66	1	G. Tsintsadze L. Napetvaridze
8	Study of Pb, Sn distribution and migration process regularities in soils of some regions of Georgia		II Republic research and methodological conference in higher schools. Tbilisi, 1995	2	G. Tsintsadze L. Chikhladze T. Kipiani, I. Pichkhaia E. Dzotsenidze

Head of the department of chemistry, professor

/M. Tsintsadze/

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9	Study of Pb, Sn distribution and migration process regularities in soils of some regions of Georgia	Printed	II Republic research and methodological conference in higher schools, Chemical science training issues, Part II, conference abstracts, Tbilisi, 1995, pp. 41-42	2	G. Tsintsadze L. Chikhladze T. Kipiani, I. Pichkhaia E. Dzotsenidze
10	Study of toxic elements (Pb, Sn) propagation regularities in the air and soils in some regions of Eastern Georgia		International retreat (workshop) of the Black Sea region countries – use of natural resources and secondary raw materials, Kutaisi, 1997	1	G. Tsintsadze N. Kutsiava L. Chikhladze
11	Study of toxic elements (Pb, Sn) propagation regularities in the air and soils in some regions of Eastern Georgia	Printed	International retreat (workshop) of the Black Sea region countries – use of natural resources and secondary raw materials, abstracts, Kutaisi, 1997, p. 85	1	G. Tsintsadze N. Kutsiava L. Chikhladze
12	Heavy metal propagation characteristic by the example of Tbilisi and Rustavi	Printed	Georgia chemical journal, Tbilisi, 3(1), 2003, pp. 73-75	3	G. Tsintsadze N. Kutsiava L. Bachiasvili
13	On the content of some microelements in Mtkvari river	Printed	Georgia chemical journal, Tbilisi, 3(1), 2003, pp. 255-257	3	G. Tsintsadze N. Kutsiava L. Bachiasvili M. Tsintsadze L. Intskirveli Zh. Chachkhiani
14	State of soils and water resources pollution in the Khobistskali river basin	Printed	Georgia chemical journal, Tbilisi, 3(3), 2003, pp. 258-261	4	G. Tsintsadze D. Nakani N. Gulua N. Kutsiava
15	Exploration of effect of farm enterprises (arable farming and cattle breeding) on river pollution of Khobistskali river basin	Printed	Georgia chemical journal, Tbilisi, 3(3), 2003, pp. 262-265	4	G. Tsintsadze D. Nakani N. Gulua N. Kutsiava M. Tsintsadze V. Eristavi
16	Ecologically safe agrarian technologies for corn crop	Printed	Brochure, Tbilisi, 2004, pp. 1-16	16	D. Nakani E. Bibiluri N. Mindiasvili N. Gulua B. Labadze

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17	Treated manure use for corn crop (in English)	Printed	Brochure, Tbilisi, 2004, pp. 1-8	8	D. Nakani E. Bibiluri N. Mindiashvili N. Gulua B. Labadze
18	Interim results and next tasks of environment pollution mitigation program		The World Bank National scientific practical conference "Ecological problems of Black Sea basin and agricultural technologies less harmful for the environment" Tbilisi, 2004,	6	D. Nakani N. Gulua
19	Interim results and next tasks of environment pollution mitigation program	Printed	The World Bank National scientific practical conference "Ecological problems of Black Sea basin and agricultural technologies less harmful for the environment", Materials Tbilisi, 2004, pp. 41-46	6	D. Nakani N. Gulua
20	Basic nutrient elements (N and P) management in farm enterprises	Printed	The World Bank National scientific practical conference "Ecological problems of Black Sea basin and agricultural technologies less harmful for the environment", Materials Tbilisi, 2004, pp. 64-68	5	Z. Chankseliani D. Nakani N. Gulua N. Mindiashvili
21	Monitoring results of soils, ground waters and river pollution degree in Khobistskali river basin	Printed	The World Bank National scientific practical conference "Ecological problems of Black Sea basin and agricultural technologies less harmful for the environment", Materials Tbilisi, 2004, pp. 75-81	7	D. Nakani V. Gvakharia J. Gavechava G. Supatashvili T. Davitaia T. Adamia N. Sulamanidze
22	Results of ecological-economic efficiency analysis of environment pollution mitigation program	Printed	The World Bank National scientific practical conference "Ecological problems of Black Sea basin and agricultural technologies less harmful for the environment", Materials Tbilisi, 2004, pp. 82-88	7	K. Kacheishvili N. Gulua

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23	Soil and water protection from pesticide pollution	Printed	The World Bank National scientific practical conference “Ecological problems of Black Sea basin and agricultural technologies less harmful for the environment”, Materials Tbilisi, 2004, pp. 128-132	5	A. Chankseliani
24	Social-economic and ecological aspects of biogas plants application in farm enterprises	Printed	Journal “Collection of works of Georgian Agrarian University”, Tbilisi, XXX, 2005, pp. 176-178	3	N. Gulua D. Nakani
25	Implementation of biological farming methods in the farm enterprises of Black Sea coastal region of Georgia (in English)	Printed	Journal “Agrarian science bulletin” (English-Russian-language), Tbilisi, 3(2), 2005, pp. 64-66	3	N. Gulua D. Nakani
26	Heteroligand coordination compounds of dimethylsulphoxide-substituting 3d-transition metals and their IR absorption spectra	Printed	Herald of Georgian Academy of Sciences, 31, №3-4, 2005, pp. 197-202	6	G. Tsintsadze T. Sakvarelidze G. Adeishvili E. Eristavi I. Gvelesiani A. Mamulashvili K. Menabde
27	On the agrarian sector effect on the Black Sea coastal band ecological state	Printed	Journal “Intellect”, Tbilisi, 3(23), 2005, pp. 37-38	2	
28	Methodological guideline “Test questionnaire in the inorganic chemistry”	Printed	GTU, Tbilisi, 2006, pp. 1-51	51	M. Tsintsadze Ts. Lomtadze I. Memanishvili
29	Distribution of some heavy metals at the agrolandscape adjoining the Chiatura manganese quarry	Printed	Journal “Radioecological and agroecological explorations”, vol. II, Tbilisi, 2007, pp. 16-18	3	Z. Chankseliani M. Mikeladze
30	Main food products and radionuclides	Printed	Journal “Radioecological and agroecological explorations”, vol. III, Tbilisi, 2008, pp. 17-20	4	M. Mikeladze M. Dvali Zh. Lolishvili M. Liparteliani

Head of the department of chemistry, professor

/M. Tsintsadze/

31	Effect of radiation-exposed mineral fertilizer on wheat crop growth and development and nitrates accumulation	Printed	Journal "Radioecological and agroecological explorations", vol. III, Tbilisi, 2008, pp. 28-31	4	E. Bibiluri D. Razmadze L. Ulumbegashvili G. Gazdeliani M. Iobashvili G. Zardiashvili M. Liparteliani
32	Results of Σ -potential measurement of activated filtering materials	Printed	Journal "Hydroengineering", №1(5), Tbilisi, 2008, pp. 29-33	5	N. Geladze N. Balakhadze N. Chapodze
33	The level of soil pollution with radionuclides in some districts of western Georgia	Printed	Journal "Radioecological and agroecological explorations", vol. IV-V, Tbilisi, 2009, pp. 22-25	4	M. Mikeladze M. Dvali L. Gonjilashvili M. Liparteliani Zh. Lolishvili
34	IR absorption spectra of coordination compounds	Printed	Georgia chemical journal №2, Tbilisi, 9(2) 2009, pp. 103-104	2	M. Tsintsadze N. Gegeshidze T. Tusiashvili G. Tsintsadze
35	Nutrient element content in the basic-type soils of Kvemo Kartli	Printed	Journal "Radioecological and agroecological explorations", vol. IV-V, Tbilisi, 2009, pp. 95-98	4	D. Razmadze E. Bibiluri Z. Chankseliani Ts. Sikharulidze G. Gazdeliani M. Liparteliani
36	Reference manual "Chemical and physical-chemical methods of material analysis"	Printed	GTU, Tbilisi, 2009, pp. 1-79	79	G. Tsintsadze T. Tsivtsivadze E. Topuria T. Tusiashvili
37	Radiation background and soil radioactivity		International conference Journal "Radioecological and agroecological explorations", Tbilisi, October, 2009	4	M. Mikadze M. Liparteliani
38	Radiation background and soil radioactivity	Printed	Journal "Radioecological and agroecological explorations". Proceedings of international conference, vol. IV, Tbilisi, 2009, pp. 66-69	4	M. Mikadze M. Liparteliani

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39	Bucharest Convention on the Protection of the Black Sea	Printed	Journal "Radioecological and agroecological explorations", vol. VII, Tbilisi, 2010, pp. 137-142	6	D. Nakani D. Chankseliani
40	UN Framework Convention on Climate Changes	Printed	Journal "Radioecological and agroecological explorations", vol. VII, Tbilisi, 2010, pp. 134-137	4	M. Liparteliani
41	On some measures necessary for manufacture of ecologically pure agrarian products		I International conference "Main ecological problems of modernity and Caucasus", Proceedings, Tbilisi, 4-6 July, 2010	2	D. Nakani M. Liparteliani
42	Waste management legislation and institutions in Georgia. The current state		I International conference "Main ecological problems of modernity and Caucasus", Proceedings, Tbilisi, 4-6 July, 2010	3	D. Chankseliani I. Gelashvili
43	Humin substances		I International conference "Main ecological problems of modernity and Caucasus", Proceedings, Tbilisi, 4-6 July, 2010	1	D. Chankseliani I. Ramazashvili
44	On some measures necessary for manufacture of ecologically pure agrarian products	Printed	Georgia chemical journal №4, I International conference "Main ecological problems of modernity and Caucasus", Proceedings, Tbilisi, 2010, pp. 178-179	2	D. Nakani M. Liparteliani
45	Waste management legislation and institutions in Georgia. The current state	Printed	Georgia chemical journal №4, I International conference "Main ecological problems of modernity and Caucasus", Proceedings, Tbilisi, 2010, pp. 155-157	3	D. Chankseliani I. Gelashvili
46	Humin substances	Printed	Georgia chemical journal №4, I International conference "Main ecological problems of modernity and Caucasus", Proceedings, Tbilisi, 2010, p. 187	1	D. Chankseliani I. Ramazashvili

47	Effect of different doses of gamma-rays on kidney bean grain phenophases		II International conference "Main ecological problems of modernity and Caucasus", Tbilisi, 2012	4	G. Zardiashvili L. Gonjilashvili
48	Effect of different doses of gamma-rays on kidney bean grain phenophases	Printed	II International conference "Main ecological problems of modernity and Caucasus", Proceedings, Tbilisi, 2012; pp. 114-115	4	G. Zardiashvili L. Gonjilashvili
49	Guideline "General chemistry" (in Russian)	Printed	GTU, Tbilisi, 2014, pp. 1-260.	260	M. Tsintsadze
50	2-(E)-(((E)-1-(pyridine-2-yl) ethylidene)hydrosono) methyl) phenol as a reagent for spectrophotometric determination of copper (II)	Printed	Georgia chemical journal №1, Tbilisi, 2015, pp. 16-20	6	G.V. Tsintsadze Ch.A. Mamedova F.S. Alieva N.G. Shikhaliev F.M. Chyragov
51	Solvent Effect on Complex Formation of urea		Modern Researches and Prospects of their Use in Chemistry, Chemical Engineering and related fields. International Scientific Conference September 21-23, 2016, Ureki, Georgia	3	S. Chichinadze N. Bolkvadze M. Tsintsadze G. Manvelidze
52	Solvent effect on complex Formation of urea	Printed	Herald of Georgian National Academy of Sciences, Chemical series, 2016, vol. 42, №3, pp. 325-326	1	S. Chichinadze N. Bolkvadze M. Tsintsadze G. Manvelidze
53	Separation of enantiomers of chiral weak acids with polisaccharide-based chiral columns and aqueous mobile phases in high-performance liquid chromatography: typical reversed phase behavior	Printed	Georgian National Academy of Sciences (Cemical series) 2016 V.42, №3, pp.326-331	6	S. Chichinadze N. Bolkvadze M. Tsintsadze G. Manvelidze
54	Solvent Effect on Complex Formation of urea	Printed	Inter. Scient. Conf." Modern resear. And prosp. Of their use in chem., chem. Engineer. And related fields"	1	S. Chichinadze N. Bolkvadze M. Tsintsadze G. Manvelidze

			Ureki 2016 p.180		
55	Study of Fe(III) complex formation by spectrophotometric method		85 th Student Open international scientific conference of GTU, Tbilisi, 2017		M. Tsintsadze I. Ugrekheldze
56	Study of iron (III) complex formation with 2,3,4-trioxy-4-fluoro-azobenzene in the presence of di-antipirilmethane and its homologues by spectrophotometric method	Printed	Georgia Chemical Journal, vol. 17, №1, 2017 pp.12-16	5	I. R. Ugrekheldze M.G. Tsintsadze T.N. Tusiasvili A.M. Magerramov
57	Copper (II) complex formation with azo-derivatives of acetylacetone	Printed	Georgia Chemical Journal, vol. 17, №1, 2017 pp. 39-43	5	M.S. Kochiashvili K.T. Batsikadze E.S. Topuria M.G. Tsintsadze F.M. Chyragov
58	Synthesis and study of Fe(III) complex formation with pyrogallol azo-derivatives	Printed	Ceramics, vol. 19.2(38) 2017, pp. 57-60	4	I. Ugrekheldze M. Tsintsadze A. Magerramov
59	Solvent effect on complex-forming ability of larusan (monohydrate isonicotinoyl hydrazone furfuralacetone)	Printed	Intern. scientific conference "Chemistry of Coordination Compounds: Topical Problems of Analytical Chemistry", Abstracts, Baku 2017, pp. 20-21	2	M. Tsintsadze N.O. Kilasonia G.M. Manvelidze N.L. Maisuradze M.M. Mamiseishvili
60	Study of copper (II) complex formation with 1-phenyl-2-[2-hydroxy-3,5-disulfophenyl]asobutadion in the presence of the third component via photometric method	Printed	Intern. scientific conference "Chemistry of Coordination Compounds: Topical Problems of Analytical Chemistry", Abstracts, Baku 2017, pp. 84-85	2	M.Tsintsadze M.S. Kochiashvili
61	Spectrophotometric research of binary and mixed complexes of Fe(III) in the 3 rd component	Printed	Inter. Mini-Symposium "Bioactive compounds, Antimicrobial and Biomedical products Materials for protection of Human and Environment" Book of Abstracts Tbilisi 2018 pp. 79-80	2	I.Ugrekheldze M.Tsintsadze A.Mahharamov E.Topuria

62	„Chemistry – achievements and prospects”		International research-methodological conference devoted to the 85 th anniversary of Givi Tsintsadze, 19-20 October 2018		M. Kochiashvili T. Tusishvili M. Tsintsadze F. Chyragov
63	Copper (II) identification technique in petroleum-polluted soils	Printed	„Chemistry – achievements and prospects” Proceedings of International research-methodological conference devoted to the 85 th anniversary of Givi Tsintsadze, Tbilisi, 2018 pp. 53-54	2	M. Kochiashvili T. Tusishvili M. Tsintsadze F. Chyragov
64	Iron (III) quantitative determination in river waters via photometric method	Printed	„Chemistry – achievements and prospects”, Proceedings of International research-methodological conference devoted to the 85 th anniversary of Givi Tsintsadze, Tbilisi, 2018 pp. 55-56	2	I. Ugrekhelidze E. Topuria M. Tsintsadze A. Magerramov
65	“Environmental Protection and Sustainable Development”		International Scientific Technical Conference dedicated to the 80 th Anniversary of Professor Victor Eristavi, November 11-12, 2019, Tbilisi.		
66	Spectrophotometric Study of Nickel (II) Complex Composition of 2-(2-(2,4,6-Three Oxotetrahydropyrimidine - 5(2H)-Iliden Hydrazine Terephthalic Acid with the third Component	Printed	Theses from International Scientific Technical Conference dedicated to the 80 th Anniversary of Professor Victor Eristavi, Tbilisi, 2019, page 29	1	M. Kochiashvili D.Ghughunishvili M.Tsintsadze F.Chiragov
67	“Elaboration of Spectrophotometric Method for	Printed	International Scientific Technical Conference	1	I.R. Ugrekhelidze T.N. Tusishvili

	Determination in Natural Objects		“Environmental Protection and Sustainable Development”. Lecture Theses, Tbilisi, 2019, page 30		M.G. Tsintsadze F.M. Chiragov
68	Complexation of zirconium (IV) with 4-(2/,3/,4/- trihydroxylphenyl)-2,4-sulfoazobenzene in the presence of a third component	Printed	XIII Межд. Науч. конф. Посвящ. 96 лет Г. Алиева “Актуальные проблемы химии” Баку 2019 с. 21-22	2	M.S.Kochiashvili M.G. Tsintsadze
69	Study of complex formation of Ni(II) 4-(2',3',4'- trihydroxyphenyl)-3-SULFO-5-nitrophenylazobenzene in the presence of cationic surfactants	Printed	XIV int. scientific-practical conf. “Current Problems of Chemistry” BSU 2021 p.224-225	2	M.G. Tsintsadze V.I. Mardanova F.M. Chiragov
70	Instrumental methods of analysis (course of lectures)		GTU, Tbilisi, 2021, p. 1-100.	100	M.G. Tsintsadze
71	Study of complex formation of zirconium(IV) with 2,3,4-trihydroxy phenyl-azo-5'-sulfonaphthalene in the presence of a third component	Printed	Ceramics Vol. 26 2(46) 2021 pp. 54-60		Ts. Fanchvidze- Cignadze M. Tsintsadze F. Chiragiv
72	Study of complex formation of	Printed	Science and Technology		Ts. Cignadze -

	vanadium(V) with bis-(2,3,4-trihydroxy phenylazo)benzidine in the presence of a third component		2(739) 2022 p. 40-46		Panchvidze M. Tsintsadze F. Chiragov V. Mardanova
73	RESEARCH, COORDINATION MIXED LIGANDS COMPOUNDS OF MANGANESE WITH USE THERMO GRAVIMETRIC AND ABSORPTION BY INFRA-RED SPECTROSCOPY METHODS	Printed	Book of Abstracts Kyiv Conference on Analytical Chemistry Modern Trends 2022 Kyiv	1	M. Mamiseishvili T. Edilashvili T. Kobadze
74	SPECTROPHOTOMETRIC DETERMINATION OF VANADIUM(V) WITH AZO DERIVATIVE OF β -DIKETONES IN THE PRESENCE OF THIRD COMPONENTS	Printed	Acad. c. Tsintsadze dedicated to the 90th anniversary of birth. conference. Collection of works 2023		V. Mardanova F. Chiragov A. Mahharamiv
75	Study of complex formation of nickel(II) with azo derivatives of pyrogallol	Printed	Acad. c. General meeting dedicated to the 90th anniversary of Tsintsadze's birth. Conf. Theses April 2023		N. Chokhanelidze N. Bolkvadze
76	Methodology for determination of copper(II) in mountain rocks	Printed	Acad. c. General meeting dedicated to the 90th anniversary of Tsintsadze's birth. Conf.		N. Kochiashvili i. Ugrekhelidze

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Head of the department of chemistry, professor

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