



Dr. Lilit Sahakyan

☎ Phone number: (+374) 96541316 📠 Phone number: (+374) 10572924

✉ Email address: lilit.sahakyan@cens.am

📍 Work: Abovyan 68, 0025 Yerevan (Armenia)

WORK EXPERIENCE

Director

Center for Ecological-Noosphere Studies of NAS RA [2020 – Current]

Head of joined department (Chair)

Department (Chair) of Environmental Protection and Natural Management of ISEC of NAS RA
[2020 – Current]

Lecturer

joined department (Chair) of Environmental Protection and Natural Management of ISEC of NAS RA
[2021]

T/R of Director

Center for Ecological-Noosphere Studies of NAS RA [2019 – 2020]

Deputy Director for Science

Center for Ecological-Noosphere Studies of NAS RA [2014 – 2019]

Head of Environmental Geochemistry Department

Center for Ecological-Noosphere Studies of NAS RA [2010 – 2017]

Researcher

Environmental Geochemistry Department, the Center for Ecological-Noosphere, Studies of NAS RA
[2007 – 2010]

Junior researcher

Environmental Geochemistry Department, the Center for Ecological-Noosphere Studies, NAS RA
[2003 – 2007]

Lab assistant

Center for Ecological-Noosphere Studies, NAS RA [1999 – 2023]

EDUCATION AND TRAINING

PhD in geography

Yerevan State University [2009]

Website: <https://ysu.am/>

Field(s) of study: Geoecology

Thesis: "The peculiarities of dynamics of heavy metal (Ag, Pb, Cu, Zn, Ni, Co, Cr, Mo) pollution of the soils of city of Yerevan"

PhD student

Yerevan State University [2002 – 2008]

Website: <https://ysu.am/>

Master's Degree

Yerevan State University, Faculty of Geography, Department of Geo-ecology [2000 – 2002]

Website: <https://ysu.am/>

Bachelor's degree

Yerevan State University, Faculty of Geography [1996 – 2000]

Website: <https://ysu.am/>

PROJECTS

Coordinator

[2019 – Current]

Development of Geochemical Maps to Ensure Sustainable Agricultural Development and Food Safety – GeoMAS", State target project; Coordinator, Complex studies of atmospheric particulate matter, dust and associated potentially toxic elements in Yerevan: geochemistry, risks and solutions, Science Committee of the MES of RA.

Working group member

[2020 – Current]

SEVAMOD2 - Building up science-based management instruments for Lake Sevan, Armenia, Federal Ministry for Education and Research of Germany and Ministry of Environment of the Republic of Armenia

Scientific consultant

[2020 – 2024]

Capacity Building in Nuclear Forensics and Enhancement of Regional Cooperation between Armenian and Georgian Authorities, ISTC

Manager

[2018 – 2022]

Erasmus+ Capacity Building in Higher Education project" Modernization of Environment Protection Studies Programmes for Armenia and Georgia" (MENVIPRO), 598232-EPP-1-2018-1-IT-EPPKA2-CBHE-JP, 2018-2021.

Link: <https://www.menvipro.org/>

Lecturer

[2017- 2022]

Erasmus+ Capacity Building in Higher Education project" Modernization of Environment Protection Studies Programmes for Armenia and Georgia" (MENVIPRO), 598232-EPP-1-2018-1-IT-EPPKA2-CBHE-JP, 2018-2021.

Link: <https://www.menvipro.org/>

Working group member

[2019 – 2020]

"Connecting Nature", European project funded under H2020.

Link: <http://connectingnature.eu/>

Coordinator

[2019 – 2020]

"Development of Models Methods and Software Complexes for Supporting Sustainable Development of Ecological-Economics System of the City on Example of Yerevan, Republic of Armenia" Science State Committee MES of RA and Russian Foundation for Basic Research.

Coordinator

[2018 – 2019]

"Eco-Geochemical Investigations as a Base of Decision Making (case study of the city of Alaverdi) – AI Eco", Scientific and Technical Contractual (Thematic) Activity Application for State Budget Funding, Science Committee of the MES of RA, 2018-2020.

Researcher

[2018 – 2019]

"Development of Models Methods and Software Complexes for Supporting Sustainable Development of Ecological-Economics System of the City on Example of Yerevan, Republic of Armenia" Science State Committee MES of RA and Russian Foundation for Basic Research.

Scientific consultant

[2018 – 2019]

"Development of Geochemical Maps to Ensure Sustainable Agricultural Development and Food Safety – GeoMAS", State target project; 2019-2023.

Senior Researcher

[2015 – 2017]

"Eco-Geochemical Investigations as a Base of Decision Making (case study of the city of Alaverdi) – AI Eco", Scientific and Technical Contractual (Thematic) Activity Application for State Budget Funding, Science Committee of the MES of RA, 2018-2020.

Senior researcher

[2014 – 2018]

"Assessment of mercury pollution risks in Armenia's area" (*State Budgetary Project, Governmental grant, State Scientific Committee RA*).

Scientific consultant

[2015 – 2017]

"Monitoring of pesticide residues in food produced in the Republic of Armenia" (*Targeted state Budgetary Project, Governmental grant, State Scientific Committee RA*).

Senior researcher

[2016 – 2018]

"Developing methods, models and software complexes for the optimum control of the agents' dynamics of ecological-economics system of the Republic of Armenia" (*Bilateral project, Russian Foundation for Basic Research and State Scientific Committee RA*).

Scientific consultant

[2011 – 2013]

2013-2015

2015-2017

2017-2019

2020-2022

"Ecological-geochemical investigations on the territory of Artsakh (continuation)" (*Bilateral Project, Armenian and Artsakh State Budgetary, Governmental grant, State Scientific Committee RA*)

Responsible observer

[2012 – 2016]

"TDS-Exposure: Total Dietary Study Exposure, KBBE TDS EXPOSURE, (*Fp-7 Project*) .

Representative of Non-COST country

[2013 – 2017]

institute Action FP1204 "Green infrastructure approach: linking environmental with Social aspects in studying and managing urban forests" (*Cost Action FP1204*).

Senior researcher

[2013 – 2015]

"Determination of eco-geochemical peculiarities of city of Gyumri" (*State Budgetary Project, Governmental grant, State Scientific Committee RA*).

Researcher

[2013 – 2015]

"Geochronological, geoecological aspects in studying of young magmatism of active areas and prognosis for volcanic danger within Lesser Caucasus" (*Bilateral project, Russian Foundation for Basic Research and State Scientific Committee RA*).

Working group member

[2013 – 2014]

EcoArm2Era, (Fp-7-INCO-2011-6).

Technical support

[2012 – 2014]

"Community Agriculture Resource Management and Competitiveness" (CARMAC) project (*"Agricultural project implementation unit" state agency of the RA ministry of agriculture*).

Coordinator-Organizer

[2014]

Summer School "Development of International Scientific Cooperation Skills" UNESCO chair of Education for sustainable development, CENS (*State Budgetary Project, Governmental grant, State Scientific Committee RA*).

Scientific consultant

[2013]

"Adaptation of international accepted methods in geochemical studies", (*PhD students support project, State Budgetary Project, Governmental grant, State Scientific Committee RA*).

Senior researcher

[2011 – 2013]

"Investigations of geochemical stream of elements in the atmosphere of the city of Yerevan", (*State Budgetary Project, Governmental grant, State Scientific Committee RA*).

Coordinator-Organizer

[2012]

Summer School "Fundamentals of Management and Decision Making", UNESCO chair of Education for sustainable development, CENS (*State Budgetary Project, Governmental grant, State Scientific Committee RA*).

Scientific consultant

[2011 – 2013]

“Development of remote sensing methods for assessment of heavy metal soil pollution (case study: Kajaran)” (*State Budgetary Project, Governmental grant for young scientists, State Scientific Committee RA*).

Project coordinator

[2010 – 2011]

Assessing a risk of heavy metal pollution of farm products in Armenia”, (*OSCE CASE project*).

Coordinator-Organizer

[2011]

Summer School, “Business and research project development”, UNESCO chair of Education for sustainable development, CENS (*State Budgetary Project, Governmental grant*).

Responsible executor

[2010]

“Assessing a risk of toxic elements discharge from an arsenic-containing substance repository site in the city of Alaverdi” (*OSCE CASE project*).

Researcher

[2010]

“Assessing a discharge of contaminants from the Nubarashen toxic chemicals repository site”, (*OSCE project*).

Researcher

[2009]

“Determination of total contents of oil hydrocarbons in the soils of Zvartnots airport territory” (*contract-based project*).

Responsible executor

[2008 – 2009]

“Assessment of ecological risk of Sotq ore and adjacent territories” (*contract with “Geopromining”*).

Researcher

[2007 – 2008]

“The development of a target tree planting program for the city of Yerevan” (*contract with Yerevan’s municipality*).

Coordinator

[2007]

“Water quality monitoring of the shared water resources of the South Caucasus and assessing the impact of pollution on biodiversity” (*USAID project*).

Researcher

[2007]

“Assessing environmental impact of tailing storage sites from mining and dressing production and activities of the Kapan copper enterprise on the territory of Kapan town (Syunik Marz)” (*OSCE project*).

Researcher

[2006 – 2007]

"Ecological monitoring and evaluation of the project "Elimination of rocket fuel component stocks (Melange) in the Republic of Armenia - Phase III"-Implementation" (*OSCE project*).

Researcher

[2005 – 2008]

"South Caucasus River Monitoring" (*NATO/OSCE "Science for Peace" program project*).

Responsible executor

[2005 – 2008]

"Assessing ecological status of the city of Kajaran" (*contract with Kajaran's municipality*).

Researcher

[2005]

"Assessing Environmental Impact of Tailing Storage Sites from Mining and Dressing Production" (*OSCE project*).

DIGITAL SKILLS

Windows 9x/ 2000/ XP, Window 8 / Microsoft Office package: Microsoft Word, Excel, PowerPoint, Access / Video Conferencing (Zoom, Teams, Skype, Webex) - Advanced / • COREL DRAW 2022

LANGUAGE SKILLS

Mother tongue(s): **Armenian**

Other language(s): **English** | **Russian**

HOBBIES AND INTERESTS

Environmental Geochemistry, Environmental sciences, Urban and mining, Geochemistry, Geoecology

OVERALL PUBLICATIONS

Author and co-author of 146 publications: 9 books and chapters, manuals, 72 papers, 23 proceedings and materials, 40 abstract-presentations, 2 abstracts.

PUBLICATIONS

1. Tepanosyan Gar., Muradyan V., Tepanosyan G., Avetisyan R., Asmaryan Sh., Sahakyan L., Denk M., Gläßer C. Exploring relationship of soil PTE geochemical and "VIS-NIR spectroscopy" patterns near Cu-Mo mine (Armenia) / *Environmental Pollution*, 236, 2023, <https://doi.org/10.1016/j.envpol.2023.121180>

[2023]

2. Tepanosyan G., Baldacchini Ch., Asmaryan Sh., Sahakyan L. Geochemical characterization and health risk assessment of surface and green barrier deposited PM particles in the proximity of a kindergarten/Building and Environment, 323, 2023, <https://doi.org/10.1016/j.buildenv.2023.110234>

[2023]

3. Aruta A., Sahakyan L., Tepanosyan G., Movsisyan N., Belyaeva O., Albanese S. Multifractal features of activity concentration and stochastic risk assessment of naturally occurring and technogenic radionuclides in the soil of Yerevan, Armenia / *Environmental Pollution*. 301, 2022, 119000, <https://doi.org/10.1016/j.envpol.2022.119000>

[2022]

4. Beglaryan M., Pipoyan D., Tepanosyan G., Sahakyan L. Toxic element contents and associated multi-medium health risk assessment in an area under continuous agricultural use /194(3), 2022, 184, <https://doi.org/10.1007/s10661-022-09853-5>

[2022]

5. Avagyan A., Igityan H., Gevorgyan M., Sahakyan K., Antonosyan M., Tepanosyan G., Sahakyan L. Atalyan T., Grigoryan T., Aspaturyan N., Avagyan S., Yepiskoposyan L. Geology and palaeoenvironment of Karin tak cave (Lesser Caucasus) / *Journal of Cave & Karst Studies* 84(1), 2022, 14-26, <http://dx.doi.org/10.4311/2020ES0117>

[2022]

6. Tepanosyan G., Harutyunyan N., Maghakyan N., Sahakyan L. Potentially toxic elements contents and the associated potential ecological risk in the bottom sediments of Hrazdan river under the impact of Yerevan city (Armenia) / *Environmental Science and Pollution Research* 29, 2022, 36985–37003, <https://doi.org/10.1007/s11356-022-18526-2>

[2022]

7. Aruta A., Sahakyan L., Tepanosyan G., Movsisyan N., Belyaeva O., Albanese S. Multifractal features of activity concentration and stochastic risk assessment of naturally occurring and technogenic radionuclides in the soil of Yerevan, Armenia / *Environmental Pollution* 301, 2022, 119000, <https://doi.org/10.1016/j.envpol.2022>

[2022]

8. Tepanosyan G., Pipoyan D., Beglaryan M., Sahakyan L. Compositional features of Pb in agricultural soils and geochemical associations conditioning Pb contents in plant / *Chemosphere*, 306, 2022, <https://doi.org/10.1016/j.chemosphere.2022.135492>

[2022]

9. Tepanosyan G., Davtyan V., Sahakyan L. Factors conditioning soil PTE contents and the associated health risk in an area with mixed land use / *Environmental geochemistry and health*, 2022, 4181–4191, <https://doi.org/10.1007/s10653-022-01380-z>

[2022]

10. Tepanosyan G., Sahakyan L., Gevorgyan A., Frontasyeva M. Factors conditioning the content of chemical elements in soil and mosses in Armenia / *Journal of Trace Elements and Minerals*, 2, <https://doi.org/10.1016/j.fct.2022.112922>

[2022]

11. Tepanosyan G., Sahakyan L., Maghakyan N., Saghatelyan A. // Identification of spatial patterns, geochemical associations and assessment of origin-specific health risk of potentially toxic elements in soils of Armarvir region, Armenia / *Chemosphere*, 2021, 262, 128365, doi.org/10.1016/j.chemosphere.2020.128365

[2021]

12. Hovhannisyan H., Tepanosyan G., Gevorgyan A., Baldacchini Ch., Sahakyan L. // Similarities and differences of potentially toxic elements contents in leaves of *Fraxinus excelsior* L. and *Platanus orientalis* L. in an urban environment / *Urban Forestry & Urban Greening*, 2021, 65, 127359,

[2021]

13. Tepanosyan G., Baldacchini Ch., Sahakyan L. // Revealing Soil and Tree Leaves Deposited Particulate Matter PTE Relationship and Potential Sources in Urban Environment / *International Journal of Environmental Research and Public Health*, 2021, 18 (19), 10412. doi.org/10.3390/ijerph181910412

[2021]

14. Tepanosyan G., Harutyunyan N., Sahakyan L. // Revealing XRF data quality level, comparability with ICP-ES/ICP-MS soil PTE contents and similarities in PTE induced health risk / *Environmental Geochemistry and Health*, 2021, 0, 1-12. 10.1007/s10653-021-01079-7

[2021]

15. Pipoyan D.A., Beglaryan M.R., Tepanosyan G.H., Sahakyan L.V. Risk assessment of toxic elements in fruits and vegetables grown in Ararat region, Armenia // *Agriscience and Technology*, Armenian National Agrarian University N 4(76)/2021, doi: 10.52276/25792822-2021.4-421

[2021]

16. Belyaeva O., Movsisyan N., Pyuskyulyan K., Sahakyan L., Tepanosyan G., Saghatelyan A. Yerevan soil radioactivity: Radiological and geochemical assessment/ *Chemosphere*. 265, 2021, 1-11, <https://doi.org/10.1016/j.chemosphere.2020.129173>

[2020]

17. Muradyan V., Tepanosyan G., Asmaryan Sh., Maghakyan N., Sahakyan L., Saghatelyan A. (2020) Estimating Mo, Cu, Ni, Cd Contents in the Crop Leaves Growing on Small Land Plots Using Satellite Data//*Communications in Soil Science and Plant Analysis*, Issue 11/Vol 51, 1457-1468. <https://doi.org/10.1080/00103624.2020.1784922>

[2020]

18. Belyaeva O., Movsisyan N., Pyuskyulyan K., Sahakyan L., Tepanosyan G., Saghatelyan A. (2020) Yerevan soil radioactivity: Radiological and geochemical assessment // *Chemosphere*, <https://doi.org/10.1016/j.chemosphere.2020.129173>

[2020]

19. Sahakyan L., Tepanosyan G., Maghakyan N., Melkonyan G., Saghatelyan A. (2020) Mercury contents and potential risk levels in soils and outdoor dust from kindergartens of the city of Vanadzor (Armenia) // *Human and Ecological Risk Assessment: An International Journal*, Taylor & Francis Group, LLC, 1-18, DOI: 10.1080/10807039.2020.1820853

[2020]

20. Tepanosyan G., Sahakyan L., Maghakyan N., Saghatelyan A. (2020) Combination of compositional data analysis and machine learning approaches to identify sources and geochemical associations of potentially toxic elements in soil and assess the associated human health risk in a mining city// *Environmental Pollution*, Vol. 261, 114-210 <https://doi.org/10.1016/j.envpol.2020.114210>

[2020]

21. Akopov A.S., Beklaryan L.A., Saghatelyan A. K., Belyaeva O.A., Sahakyan L.V., Tepanosyan G.H. (2020) Agent-based modelling of mutual influence between horizontal-vertical greenery systems and air pollutants with the use of the city of Yerevan, Armenia as a case study // *Artificial Societies*, Vol. 15, Issue 1, 7-25, DOI: 10.18254/S207751800008317-7

[2020]

22. Tepanosyan G., Sahakyan L., Maghakyan N., Saghatelyan A. (2020) Identification of spatial patterns, geochemical associations and assessment of origin-specific health risk of potentially toxic elements in soils of Armavir region, Armenia // *Chemosphere*, 262, 128-365 <https://doi.org/10.1016/j.chemosphere.2020.128365>

[2020]

23. Belyaeva O., Sargsyan K., Hovhannisyan L., Sahakyan L. (2020) Multifloral Honey from Artsakh: Quality and Safety // *Electronic Journal of Natural Sciences*, 1(34), 41-46, <http://ejns.sci.am/allissues.html#>

[2020]

24. Belyaeva O.A., Pyuskyulyan K.I., Movsisyan N.E., Sahakyan L.V., Saghatelyan A.K. (2020) Radioecological Studies in Armenia: A Review // *Electronic Journal of Natural Sciences*, 1(34), 34-40, <http://ejns.sci.am/allissues.html>

[2020]

25. Акопов А.С., Бекларян А.Л., Сагателян А.К., Саакян Л.В., Беляева О.А., Тепаносян Г.О. (2019) Система поддержки принятия решений для рационального озеленения города на примере г. Ереван, Республика Армения // *Программная инженерия*, т. 2, Новые технологии, 87-96, DOI: 10.17587/prin.10.87-96, <http://novtex.ru/prin/rus/10.17587/prin.10.87-96.html>

[2019]

26. Sahakyan L., Tepanosyan G., Maghakyan N., Kafyan M., Melkonyan G., Saghatelyan A. (2019) Contamination levels and human health risk assessment of mercury in dust and soils of the urban environment, Vanadzor, Armenia. *Atmos Pollut Res* 2019 10:808–816. doi: 10.1016/J.APR.2018.12.009

[2019]

27. Tepanosyan G., Sahakyan L., Belyaeva O., Beglaryan M., Pipoyan D., Hovhannisyan A., Saghatelyan A. (2019) Studying DDTs in agricultural soils of selected rural communities of Armenia, *Acta Geochimica*, pp. 1-10, <https://doi.org/10.1007/s11631-019-00376-4>

[2019]

28. Tepanosyan G., Sahakyan L., Zhang Ch., Saghatelyan A. (2019) The application of Local Moran's I to identify spatial clusters and hot spots of Pb, Mo and Ti in urban soils of Yerevan, *Applied Geochemistry*, V. 104, 2019, p. 116-123

[2019]

29. Hovhannisyan A., Sahakyan L., Belyaeva O., Tepanosyan G., Beglaryan M., Pipoyan D., Saghatelyan A. (2019) Studying residual pesticides in agricultural lands of the Republic of Armenia // *Annals of Agrarian Science* 17 409 – 414, <http://journals.org.ge/index.php>

[2019]

30. Л. В. Саакян, Г. Г. Бабаян, О. А. Беляева, К. В. Саркисян, Г. О. Тепаносян, А. К. Сагателян (2018): Оценка гидрохимического состояния реки Тартар / *Водные ресурсы*, 2018, том 45, № 3, с. 298–308

[2018]

31. L. V. Sahakyan, G. G. Babayan, O. A. Belyaeva, K. V. Sarkisyan, G. O. Tepanosyan, A. K. Saghatelyan (2018) Assessing the Hydrochemical Conditions of the Tartar River ISSN 0097-8078, *Water Resources*, 2018, Vol. 45, No. 3, pp. 388–398. © Pleiades Publishing, Ltd., 2018. Original Russian Text © L.V. Sahakyan, G.G. Babayan, O.A. Belyaeva, K.V. Sarkisyan, G.O. Tepanosyan, A.K. Saghatelyan, 2018, published in *Vodnye Resursy*, 2018, Vol. 45, No. 3.

[2018]

32. G. Tepanosyan, L. Sahakyan, O. Belyaeva, Sh. Asmaryan, A. Saghatelyan (2018) Continuous impact of mining activities on soil heavy metals levels and human health. *Science of the Total Environment* 639 (2018), pp. 900–909, <https://doi.org/10.1016/j.scitotenv.2018.05.211>

[2018]

33. Tepanosyan G., Sahakyan L., Belyaeva O., Maghakyan N., Saghatelyan A. (2017) Human health risk assessment and riskiest heavy metal origin identification in urban soils of Yerevan, Armenia. *Chemosphere* 184 (2017) 1230-1240 DOI:10.1016/j.chemosphere.2017.06.108

[2017]

34. G. O. Tepanosyan, O. A. Belyaeva, L. V. Saakyan, A. K. Saghatelyan (2017) Integrated approach to determine background concentrations of chemical elements in soils. *Geochemistry International* 06/2017; 55(6):581-588., DOI:10.1134/S0016702917060106 (ISSN 0016-7029, *Geochemistry International*, 2017, Vol. 55, No. 6, pp. 581–588

[2017]

35. Тепаносян Г.О., Беляева О.А., Саакян Л.В., Сагатеян А.К. (2017) Интегрированный подход при определении фоновых содержаний химических элементов в почвах / *ГЕОХИМИЯ*, 6(6):563-570., DOI:10.7868/S0016752517060103

[2017]

36. Ch. Baldacchini, A. Castanheiro, N. Maghakya et al. How Does the Amount and Composition of PM Deposited on *Platanus acerifolia* Leaves Change Across Different Cities in Europe? /DOI: 10.1021/acs.est.6b04052, pp. A-J

[2017]

37. Sahakyan L. V., Tepanosyan G. H., Kafyan M. O., Saghatelyan A. K. (2017) Geochemical survey and ecological risk assessment of heavy metals in soils of city of Gyumry (Armenia) / *National Academy of Sciences of RA Electronic Journal of Natural sciences*. 1(28), pp. 16-20

[2017]

38. Maghakyan N., Sahakyan L., Belyaeva O., Kafyan M., Tepanosyan G. (2017) Assessment of heavy metal pollution level and children's health risk in a kindergarten area (Yerevan) / *National Academy of Sciences of RA Electronic Journal of Natural sciences*. 1(28), pp. 10-15

[2017]

39. Maghakyan N., Tepanosyan G., Belyaeva O., Sahakyan L., Saghatelyan A. (2017) Assessment of pollution levels and human health risk of heavy metals in dust deposited on Yerevan's tree leaves (Armenia), "Acta Geochim.", vol. 36, no. 1, 2017, pp. 16–26. DOI 10.1007/s11631-016-0122-6

[2017]

40. Tepanosyan G., Maghakyan N., Sahakyan L., Saghatelyan A. (2017) Heavy metals pollution levels and children health risk assessment of Yerevan kindergartens soils, "Ecotoxicol. Environ. Saf." vol. 142, 2017, pp. 257–265

[2017]

41. Саакян Л.В., Тепаносян Г.О., Магакян Н.Р., Сагатеян А.К. (2017) Ртуть в городской пыли Ванадзора / "Антропогенная трансформация природной среды", вып. 3, «Пермский государственный национальный исследовательский университет, 170-172, ISSN 2410-8553, http://kafbor.psu.ru/files/ATPS17_Journal

[2017]

42. Sahakyan L.V., Maksimovich N.G., Khomich V.S., Asmaryan Sh.G., Struk M.I., Khayrulina E. (2017) Historical analysis of technogenic landscape formation in mining regions/ Исторический анализ формирования техногенных ландшафтов в горнодобывающих районах Bulletin of Science and Education, N7(31), Вестник науки и образования 73-78, DOI: 10.20861/2312-8089-2017-31-005, <http://nsi.psu.ru/labs/gtp/stat/2017/1501.pdf>

[2017]

43. Бегларян М.М., Беляева О.А., Оганесян А.С., Пипоян Д.А., Тепаносян Г.О., Саакян Л.В., Сагателян А.К. (2016) Мониторинг запрещенных пестицидов в сельскохозяйственных угодьях Республики Армения, Проблемы безопасности окружающей среды: Сборник статей. /НАН РА Центр эколого-ноосферных исследований; Отв. ред.: А.К. Сагателян. – Ер.:Изд-во «Гитутюн» НАН РА, 2016. 40-48 с

[2016]

44. Саакян Л.В., Мелконян Г.А., Тепаносян Г.О., Беляева О.А. (2016) Ртуть как фактор риска в горнорудных регионах, Проблемы безопасности окружающей среды: Сборник статей. / НАН РА Центр эколого-ноосферных исследований; Отв. ред.: А.К. Сагателян. – Ер.:Изд-во «Гитутюн» НАН РА, 2016. 183-192 с.

[2016]

45. Сагателян А.К., Саакян Л.В., Беляева О.А., Тепаносян Г.О., Пипоян Д.А. (2016) Эволюция эколого-геохимических исследований в Армении / Известия РАН. Серия Географическая, № 4, с. 119–127

[2016]

46. Akopov A.S., Beklaryan A.L., Saghatelyan A.K., Sahakyan L.V. (2016) Control system for ecological modernization of enterprises (on the example of the Republic of Armenia). Business Informatics, no. 2 (36), pp. 71–78. DOI: 10.17323/1998-0663.2016.2.71.78.

[2016]

47. Tepanosyan G., Sahakyan L., Belyaeva O., Saghatelyan A. (2016) Origin identification and potential ecological risk assessment of potentially toxic inorganic elements in the topsoil of the city of Yerevan, Armenia / Journal of Geochemical Exploration 167 (2016) 1–11, <http://dx.doi.org/10.1016/j.gexplo.2016.04.006>

[2016]

48. Sahakyan L., Maghakyan N., Belyaeva O., Tepanosyan G., Kafyan M. (2016) Heavy metals in urban dust: contamination and health risk assessment: a case study from Gyumri, Armenia / Arab J Geosci (2016) 9:142 DOI 10.1007/s12517-015-2159-y

[2016]

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Lilit Sahakyan