



# Nairuhi Maghakyán

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## WORK EXPERIENCE

2020 – 2022 Yerevan, Armenia

**SCIENTIFIC SECRETARY** CENTER FOR ECOLOGICAL-NOOSPHERE STUDIES OF NAS RA

2021 – 2022 Yerevan, Armenia

**SENIOR SCIENTIFIC RESEARCHER** CENTER FOR ECOLOGICAL-NOOSPHERE STUDIES OF NAS RA

Environmental Geochemistry Department

2017 – 2021 Yerevan, Armenia

**SCIENTIFIC RESEARCHER** CENTER FOR ECOLOGICAL-NOOSPHERE STUDIES OF NAS RA

Environmental Geochemistry Department

2014 – 2017 Yerevan, Armenia

**JUNIOR SCIENTIFIC RESEARCHER** CENTER FOR ECOLOGICAL-NOOSPHERE STUDIES OF NAS RA

Environmental Geochemistry Department

2011 – 2014 Yerevan, Armenia

**LABORATORY ASSISTANT** CENTER FOR ECOLOGICAL-NOOSPHERE STUDIES OF NAS RA

Environmental Geochemistry Department

## EDUCATION AND TRAINING

2013 – 2017 Yerevan, Armenia

**PHD IN BIOLOGY** Center for ecological-noosphere studies of NAS RA

2010 – 2012 Yerevan, Armenia

**MASTER'S DEGREE IN ENVIRONMENTAL PROTECTION AND NATURE MANAGEMENT**

International Scientific-Educational Center of NAS RA

2006 – 2010 Yerevan, Armenia

**BACHELOR'S DEGREE IN PEDAGOGIC/TEACHER IN ENVIRONMENTAL PROTECTION** Armenian State Pedagogical University

## LANGUAGE SKILLS

Mother tongue(s): **ARMENIAN**

Other language(s):

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken production	Spoken interaction	
<b>RUSSIAN</b>	C1	C1	C1	C1	B2
<b>ENGLISH</b>	B2	B2	B2	B2	B2

Levels: A1 and A2: Basic user; B1 and B2: Independent user; C1 and C2: Proficient user

## ● **DIGITAL SKILLS**

Microsoft Office package: Microsoft Word, Excel, PowerPoint, Access | Google Drive | Outlook | Google Docs | Graphic Design (Photoshop, Illustrator, CorelDraw) | Image J | Gwyddion software | R, R Studio, R Markdown | SPSS software statistiche

## ● **ADDITIONAL INFORMATION**

### **CONFERENCES AND SEMINARS**

2022

**1st Youth Summer School "Geographic Information System (GIS) and remote sensing: application areas and opportunities" dedicated to young scientist G.Tepanosyan, Yerevan, Armenia**

2019

**Environmental Analysis, University of Tuscia, Viterbo, Italy**

2017

**Environemnatl Date Statistical Analysis, University of Tuscia, Viterbo, Italy**

2016

**18th International Conference On Heavy Metals In The Environment, Ghent, Belgium**

2016

**International Scientific Conference of CSTO member states "Issues of Environmental Security"**

2015

**Total Diet Study and Dietary Exposure Assessment", EU FP7, TDSexposure project, CENS NAS RA, Yerevan**

2014

**Implementation of green infrastructure approach to link environmental and social aspects in the research on urban forests, COST action, Pieve Tesino, Italy**

2014

**Leaf dust characterization by Scaning electron microscopy, STSM; COST Action FP1204, CNR, Naples, Italy**

2014

**Biomagnetic Analysis of Tree leaf dust, STSM, COST Action FP1204, University Antwerp, Belgium**

2014

**International Conference on Atmospheric Dust**

2013

**Bridging ICTs and Environment Spatial Planning and Environmental Assessment for Decision Making in Europe, CEU, Budapest,Hungary**

2013

**Introduction of Contemporary technologies for or Monitoring and Preservation of fresh Water in Armenia" Institute of Molecular Biology, NAS RA**

2013

**Environmental Data Sharing for the Benefit of the South Caucasus Region", ARPEGEO project Symposium (Yerevan, Armenia)**

2013

Training event on RTD proposal writing (CENS, Yerevan, Armenia)

2013

International Youth Scientific Conference "Environmental issues and the allocation of risk groups among the population" Yerevan, Armenia

2012

Youth Involvement and Response to Environmental Challenges", Social Media for Environment, (CENN), Georgia

2011

Business and a research project development", UNESCO Chair, "Education for Sustainable Development", CENS NAS RA, Yerevan

2011

Summer School "Capacity Building on Food Security" (CENS, Yerevan, Armenia)

## PROJECTS

2021 – 2022

Complex studies of atmospheric particulate matter, dust and associated potentially toxic elements in Yerevan: geochemistry, risks and solutions

2019 – 2022

Development of Geochemical Maps to Ensure Sustainable Agricultural Development and Food Safety.

2018 – 2019

Ecogeochemical investigations as a base of decision making (A case study of Alavedi).

2017 – 2019

Assessment of Mercury pollution risks in Armenia`s area, team member.

2016 – 2018

Developing a remote sensing method for assessing and predicting heavy metal pollution of agricultural crops in mountain regions

2013 – 2015

Revealing of Ecological and Geochemical Peculiarities of the City of Gyumri

## PUBLICATIONS

[Tepanosyan, G., Harutyunyan, N., Maghakyan, N. et al. Potentially toxic elements contents and the associated potential ecological risk in the bottom sediments of Hrazdan river under the impact of Yerevan city \(Armenia\). Environ Sci Pollut Res 29, 36985-37003](#)

– 2022

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[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 Armavir region, Armenia / Chemosphere, 2021, 262, 128365.](#)

– 2021

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[Tepanosyan G., Sahakyan L., Maghakyan N., Saghatelyan A. // 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, 2020, 261, 114210](#)

– 2020

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[Sahakyan L., Tepanosyan G., Maghakyan N., Melkonyan G., Saghatelyan A. // 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, 2020, 1-18](#)

– 2020

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[Muradyan V., Tepanosyan G., Asmaryan Sh., Maghakyan N., Sahakyan L., Saghatelyan A. // 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, 2020, 51\(11\), 1-12](#)

– 2020

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[Sahakyan L., Tepanosyan G., Melkonyan G., Maghakyan N., Saghatelyan A. // Mercury soil contents and associated ecological and health risks in kindergartens and functional areas of the city of Vanadzor \(Armenia\) / GEOGRAPHY, ENVIRONMENT, SUSTAINABILITY, 2019, 12\(4\), 252-271](#)

– 2019

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[Sahakyan L, Tepanosyan G, Maghakyan N, et al \(2019\) Contamination levels and human health risk assessment of mercury in dust and soils of the urban environment, Vanadzor, Armenia. Atmos Pollut Res 10:808–816](#)

– 2019

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[Tepanosyan, G., Maghakyan, N., Sahakyan L., Saghatelyan A., \(2017\) Heavy metals pollution levels and children health risk assessment of Yerevan kindergartens soils. Ecotoxicology and Environmental Safety, 142, 257–265.](#)

– 2017

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[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, 1230–1240.](#)

– 2017

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[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 \(Yerevan\), Electronic Journal of Natural Sciences, January 2017, Vo1. 2017, Issue 1/28/](#)

– 2017

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[Baldacchini C, Castanheiro A, Maghakyan N, et al \(2017\) How Does the Amount and Composition of PM Deposited on Platanus acerifolia Leaves Change Across Diferent Cities in Europe? Environ Sci Technol 51:1147–1156.](#)

– 2017

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[Maghakyan N., Tepanosyan G., Belyaeva O. et al \(2016\) Assessment of pollution levels and human health risk of heavy metals in dust deposited on Yerevan`s tree leaves \(Armenia\). Acta Geochim, pp. 1-11.](#)

– 2016

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[Sahakyan L., Maghakyan N., Belyaeva O., Tepanosyan G., Kafyan M., Saghatelyan A., \(2016\). Heavy metals in urban dust: contamination and health risk assessment: a case study from Gyumri, Armenia, Arabian Journal of Geosciences 9:142.](#)

– 2016

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[Saghatelyan A., Sahakyan L., Belyaeva O., Maghakyan N. \(2014\). Studying undifferentiated outdoor dust on urban sites through diferent methods, Proceeding, International Conference on Atmospheric Dust. p. 417-422](#)

– 2014

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[Saghatelyan A., Sahakyan L., Belyaeva O., Maghakyan N. \(2014\) Studying Atmospheric Dust And Heavy Metals On Urban Sites Though Synchronous Use Of Diferent Methods Journal of Atmospheric Pollution, Vol.2. No 1, p. 12-16, DOI: 10.12691/jap-2-1-3](#)

– 2014

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[Sahakyan L., Maghakyan N., Belyaeva O. \(2014\) A study of outdoor dust in city Gyumri, Armenia // Proceedings of the International Conference on Atmospheric Dust. Castellaneta Marina \(Taranto\), Italy, June, 1-6, pp. 411-416](#)

– 2014

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[Saghatelyan A.K., Sahakyan L.V., Belyaeva O.A., Tepanosyan G.H., Maghakyan N.R., Kafyan M.H. \(2013\) Dust and stream of heavy metals in the atmosphere of the city of Yerevan, National Academy of Sciences of RA, Electronic Journal of Natural sciences, Ecology 1\(20\), pp. 38-44](#)

– 2013

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Саакян Л.В., Тепаносян Г.О. , Н.Р. Магакян и др. (2018) Концентрации ртути в городской уличной пыли//Международная научно-практическая конференция «Экологическая, промышленная и энергетическая безопасность – 2017» с.1178-1180 (in russian))

– 2018

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Магакян Н.Р., (2016) Тяжелые металлы в атмосферной пыли города Еревана: оценка уровня загрязнения и риска для здоровья населения/ Проблемы безопасности окружающей среды, Материалы международной научной конференции Сборник статей, Гитутюн, Ер., с. 114- 123, (in russian)

– 2016

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Магакян Н.Р., Кафян М.О., Тепаносян Г.О., Беляева О.А. (2013). Эколого-геохимическая и санитарно-гигиеническая оценка почв территорий дошкольных учебных учреждений г. Еревана, Международная молодежная научная конференция "Проблемы окружающей среды и выделение групп риска среди населения", Сборник статей, Ереван, ст. 118-126 (in russian)

– 2013

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