



Gevorg Tepanosyan

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Home: 36 Gay avenue, 0090 Yerevan (Armenia)

JOB-RELATED SKILLS

Job-related skills

- Planning and implementing environmental research projects and surveys.
- Examination of validity, quality, and scientific significance of environmental data.
- Statistical treatment, mapping and spatial analysis of environmental data.
- Interpretation of relationship between social activities and environmental pollution.
- Environmental monitoring and human health risk assessment.

WORK EXPERIENCE

Head of Environmental geochemistry department

Center for Ecological-Noosphere Studies NAS RA [02/11/2017 – Current]

City: Yerevan

Country: Armenia

Researcher at Environmental geochemistry department

Center for Ecological-Noosphere Studies ANS RA [31/10/2015 – 01/11/2017]

City: Yerevan

Country: Armenia

Junior researcher at Environmental geochemistry department

Center for Ecological-Noosphere Studies NAS RA [02/03/2014 – 30/10/2015]

City: Yerevan

Country: Armenia

EDUCATION AND TRAINING

PhD

Center for Ecological-Noosphere studies NAS RA [13/06/2012 – 10/06/2015]

City: Yerevan

Country: Armenia

PECULIARITIES OF GEOCHEMISTRY AND MAN-MADE GEOCHEMICAL STREAM OF HEAVY METALS IN THE AREA OF CITY OF YEREVAN

Master of Science, Exploration and Processing of Minerals

State Engineering University of Armenia [31/08/2010 – 30/05/2012]

City: Yerevan

Country: Armenia

Bachelor degree, Underground Processing of Mineral Deposits
State Engineering University of Armenia [31/08/2006 – 30/05/2010]

City: Yerevan

Country: Armenia

Compositional Data Analysis (CoDa) with CoDaPack and R
Universitat De Girona [30/03/2017 – 17/02/2019]

City: Girona

Country: Spain

Statistical Learning
Stanford ONLINE (OpenEdx) [2014]

Statistics 2X
University of California BerkeleyX on the edX platform [2013]

PROJECTS

Projects

- **Researcher**, "Complex studies of atmospheric particulate matter, dust and associated potentially toxic elements in Yerevan: geochemistry, risks and solutions", State Budgetary Project, 2021-2024
- **Local Coordinator**, 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
- **Working group member**, "Connecting Nature", European project funded under H2020, <http://connectingnature.eu/>
- **Researcher**, "Development of Geochemical Maps to Ensure Sustainable Agricultural Development and Food Safety – GeoMAS", State target project; 2019-2023
- **Researcher**, "Eco-Geochemical Investigations as a Base of Decision Making (case study of the city of Alaverdi) – AIco", Scientific and Technical Contractual (Thematic) Activity Application for State Budget Funding, Science Committee of the MES of RA, 2018-2020
- **Researcher**, "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", 2018-2020 (Science State Committee MES of RA and Russian Foundation for Basic Research)
- **Researcher**, "Assessment of Mercury pollution risks in Armenia's area", 2016-2018 (State Budgetary Project, Governmental grant)
- **Researcher**, "Environmental surveys with respect to contaminated soils for Track 3 of Yerevan Bypass project", 2015 – 2016 (Egis International Armenian branch)
- **Researcher**, "Development of models and software complexes for the optimum control of the agents' dynamics of ecological-economics system of the Republic of Armenia", 2015-2017 (Science State Committee MES of RA and Russian Foundation for Basic Research)
- **Responsible executor**, "Investigations of plant cover of Vedi reservoir and adjacent areas", 2015 (Contract-based, "Jrtuk" LLC)
- **Researcher**, "Zangezur Copper molybdenum Combine" environmental monitoring project, 2015-2016 (Contract-based)
- **Research group member**, EcoArm2Era, 2013 (Fp-7-INCO-2011-6)
- **Principal investigator**, "Adaptation of international accepted methods in geochemical studies", 2013 (State Budgetary Project, Governmental grant)

PUBLICATIONS

Manuscripts

- Tepanosyan G., 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) Published: Apr 2023 in Environmental Pollution, DOI: 10.1016/J.ENVPOL.2023.121180
- Tepanosyan G., Pipoyan D., Beglaryan M., Sahakyan L. Compositional features of Pb in agricultural soils and geochemical associations conditioning Pb contents in plants Published: Nov 2022 in Chemosphere, DOI: 10.1016/J.CHEMOSPHERE.2022.135492
- 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 Published: May 2022 in Environmental Pollution, DOI: 10.1016/J.ENVPOL.2022.119000
- 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 Published: Sep 2021 in Environmental Geochemistry and Health, DOI: 10.1007/S10653-021-01079-7
- 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, Environ. Pollut. 261, 114210, 2020, <https://doi.org/10.1016/j.envpol.2020.114210>
- Tepanosyan G., Sahakyan L., Zhang C., Saghatelyan A. The application of Local Moran's I to identify spatial clusters and hot spots of Pb, Mo and Ti in urban soils of Yerevan, J. Appl. Geochem. 104, 2019, p. 116-123, <https://doi.org/10.1016/j.apgeochem.2019.03.022>
- Tepanosyan G., Sahakyan L., Belyaeva O., Asmaryan Sh., Saghatelyan A., 2018. Continuous impact of mining activities on soil heavy metals levels and human health, Sci. Total Environ. 639, pp. 900-909, <https://doi.org/10.1016/j.scitotenv.2018.05.211>
- 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, pp. 1230–1240, <https://doi.org/10.1016/j.chemosphere.2017.06.108>
- 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. 142, pp. 257–265, <https://doi.org/10.1016/j.ecoenv.2017.04.013>
- 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, J. Geochem. Explor. 167, p. 1-11, <https://doi.org/10.1016/j.gexplo.2016.04.006>

LANGUAGE SKILLS

Mother tongue(s): **Armenian**

Other language(s):

Russian

English

LISTENING C2 READING C2 WRITING C2

LISTENING C1 READING C1 WRITING C1

SPOKEN PRODUCTION C2 SPOKEN INTERACTION C2 SPOKEN PRODUCTION C1 SPOKEN INTERACTION C1

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

DIGITAL SKILLS

Microsoft Word / Microsoft Excel / Microsoft Powerpoint / SPSS Statistical Tool / R Statistics / GIS (ArcMap , ArcCatalog) / Compositional data analysis / Data Gathering, Data Processing, Data Visualization, Data Analysis