

Artak Sargis Piloyan

Faculty of Geography and Geology

Chair of Cartography and Geomorphology

Acting head of the chair, assistant

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Education

Institution	Masaryk University
Faculty	Faculty of Sciences / Department of Geography
Date	2014 - 2016
Degree name	PhD student

Institution	Yerevan State University
Faculty	Geography and Geology
Date	2013 - 2018
Degree name	PhD student

Institution	Yerevan State University
Faculty	Geography and Geology
Date	2007 - 2009
Degree name	Masters

Institution	Yerevan State University
Faculty	Geography
Date	2001 - 2005
Degree name	Bachelor

Scientific Rank/degree

Institution	Yerevan State University
Date	2018
Degree name	Candidate
Specialty	Earth sciences
Scientific Supervisor	Vladimir Boynagryan
Research Topic	Classification of Landform Elements and Identification of Circular Structures in the Republic of Armenia based on Geomorphometric Parameters using GIS Methods

Language skills

English Русский Čeština

Membership

Institution	International Society for Digital Earth
Period of time	2025 till now

Institution	International Cartographic Association
Period of time	2019 till now

Publications

Article

Assessment Of Ecosystem Services in the Ardvi Village

M. V. Chakryan, G. D. Avetisyan, A. T. Grigoryan, A. S. Piloyan

ԵՊՀ Գիտական տեղեկագիր. Երկրաբանական և աշխարհագրական գիտություններ 2025 19-28

Article

Spatial Accessibility to Urban Public Green Space: Case Study of Yerevan

Sarhat Petrosyan, Artak Piloyan

Advances in Science, Technology and Innovation 2025 133-138

Article

Enhancing Environmental Education through Digital Earth Technologies and Applications

A. Piloyan, M. Petrosyan

International Journal of Geoinformatics 2024 29 - 35

Manual

«Arcgis 10» ծրագրային փաթեթ, ուսումնամեթոդական ուղեցույց

Ալեքսանդր Առաքելյան, Արտակ Փիլոյան

2024 118

Article

Assessing Spatio-temporal Changes of Floating Aquatic Vegetation in Lake Sevan Using Landsat Imagery and Vegetation Indices

Piloyan A.

International Journal of Geoinformatics 2023 1-11

Article

Երկրաձևաչափության հայերեն սահմանումների և տերմինների մասին

Ավագյան Ա. Ա., Փիլոյան Ա. Ս., Ուլոյան Հ.Ռ.

ՀՀ ԳԱԱ Տեղեկագիր, Գիտություններ Երկրի մասին 2023 163-176

Article

FIRST MULTY-PROXY STUDIES OF HIGH-MOUNTAIN LAKES IN ARMENIA: PRELIMINARY RESULTS

Tatyana V. Sapelko, Vladimir R. Boynagryan, Mikhail A. Naumenko, Dmitry V. Sevastyanov,

Ivan G. Gabrielyan, Artak S. Piloyan, Liana A. Margaryan, Mikhail Yu Aleksandrin, Anton V. Terekhov

Geography, Environment, Sustainability 2019 272-284

Map

Land Suitability Map for Growth of Hazelnuts in Sisian Region, Armenia

Artak Piloyan

2019

Article

Toward a disaster risk assessment and mapping in the virtual geographic environment of Armenia

Arshavir Avagyan, Hasmik Manandyan, Aleksandr Arakelyan, Artak Piloyan

Natural Hazards 2018 283-309

<https://www.springer.com/earth+sciences+and+geography/natural+hazards/journal/1...>

Article

Semi-automated classification of landform elements in Armenia based on SRTM DEM using k-means unsupervised classification

Artak Piloyan, Milan Konečný

Quaestiones Geographicae 2017 93-103

<https://www.degruyter.com/view/j/quageo>

Article

The Circular Structures of the Republic of Armenia Based on a Digital Elevation Model

Artak Piloyan, Arshavir Avagyan

European Journal of Geography 2016 58-70

<http://www.eurogeographyjournal.eu/>

Article

Օ некотором геоморфометрических показателях бассейна р. Агстев в пределах РА

А. С. ПИЛОЯН

ԵՊՀ Գիտական տեղեկագիր. երկրաբանական և աշխարհագրական գիտություններ 2012 32-39

<http://ysu.am/science/hy/1465212451>

Article

ВЫДЕЛЕНИЕ И ОПРЕДЕЛЕНИЕ ВОДНЫХ ТЕЛ, ПОДВЕРЖЕННЫХ ЭКОЛОГИЧЕСКИМ РИСКАМ ПО КАЧЕСТВЕННЫМ И КОЛИЧЕСТВЕННЫМ ХАРАКТЕРИСТИКАМ НА ПРИМЕРЕ БАСЕЙНА РЕКИ АГСТЕВ

А. С. Пилоян, А. А. Аракелян

Известия НАН РА. Науки о Земле 2011 54-64

<http://www.flib.sci.am/eng/erkragitutyun/Frame.html>

Article

Օ высотных характеристиках рельефа территории Армении и методах их вычисления на основе цифровой модели рельефа масштаба 1:200000

А.С. Пилоян, А.А. Авакян, Г.Г. Ерицян

Известия НАН РА. Науки о Земле 2010 48-58

<http://www.flib.sci.am/eng/erkragitutyun/Frame.html>

Conference

DEVELOPMENT OF WATER RESOURCES MANAGEMENT PLAN FOR AGHSTEV RIVER BASIN OF ARMENIA

Alexander Arakelyan, Arshavir Avagyan, Hasmik Manandyan, Artak Piloyan, Hayk Yeritsian

Conference

ОПЫТ ИССЛЕДОВАНИЯ ПРОДОЛЬНЫХ ПРОФИЛЕЙ РЕК БАССЕЙНА ОЗЕРА СЕВАН КАК ИНДИКАТОРОВ НОВЕЙШИХ ПРОЦЕССОВ РЕЛЬЕФООБРАЗОВАНИЯ

А.А. Авакян, А.Г. Ерицян, А.С. Пилоян

Conference

СОВРЕМЕННЫЕ ЭКЗОГЕННЫЕ ПРОЦЕССЫ В БАССЕЙНЕ Р. АГСТЕВ (АРМЕНИЯ)

Бойнагрян В.Р., Авакян А.А., Пилоян А.С.

Conference

Circular Features of Armenia

Artak Piloyan, Arshavir Avagyan

Conference

THE PRINCIPLES OF GUIDELINE FOR THE RIVER BASIN MANAGEMENT PLANNING IN ARMENIA

Arshavir Avagyan, Alexander Arakelyan, Hayk Yeritsian, Arayik Mkrtumyan, Hasmik Manandyan,

Anna Elbakyan, Artak Piloyan

Conference

GIS FOR STATE WATER CADASTRE OF ARMENIA: CONTENTS, STRUCTURE, FUNCTIONS

Arshavir Avagyan, Hayk Yeritsian, Arayik Mkrtumyan, Aleksandr Arakelyan, Hasmik Manandyan,

Anna Elbakyan, David Vardanyan, Artak Piloyan

Conference

ELECTRONIC REGIONAL RISK ATLAS: DEVELOPMENT, STRUCTURE AND APPLICATION PRACTICE IN REPUBLIC OF ARMENIA

Arshavir Avagyan, Radovan Hilbert, Hayk Yeritsian, Hasmik Manandyan, Aleksandr Arakelyan,

Artak Piloyan, Anna Elbakyan

Conference

Land Cover/Land Use Classification for Syunik Marz of Armenia Using RapideEye Satellite Imagery

Artak Piloyan, Aram Gevorgyan, David Vardanyan

Conference

Measuring Rural Accessibility in the GIS environment: Case study of Armenia

Artak Piloyan, Aram Gevorgyan

Conference

ГОЛОЦЕН АРМЕНИИ ПО ПРЕДВАРИТЕЛЬНЫМ РЕЗУЛЬТАТАМ ПЕРВЫХ КОМПЛЕКСНЫХ ИССЛЕДОВАНИЙ ВЫСОКОГОРНЫХ ОЗЕР

Т. В. Сапелко, В. Р. Бойнагарян, И. Г. Габриелян, М. А. Науменко, Д. В. Севастьянов, А. С. Пилоян,

Л. А. Маргарян

Conference

Past environmental changes in the South Caucasus according Armenia lakes and geomorphologic archives

Tatyana Sapelko, Vladimir Boynagryan, Mikhail Naumenko, Dmitry Sevastyanov, Ivan Gabrielyan,

Artak Piloyan, Liana Margaryan, Mikhail Aleksandrin

Conference

**SPATIAL DATA INFRASTRUCTURE OPTIMIZATION THROUGH SEGMENT-BASED ALGORITHM
INTEGRATION: A COMPREHENSIVE RESEARCH REVIEW**

Mariam Petrosyan, Artak Piloyan

Conference

**Enhancing Quality Control Standards for Armenia's National Spatial Data Infrastructure: A
Python-based Approach with Emphasis on Road Spatial Data Layers**

Mariam Petrosyan, Artak Piloyan, Paruyr Efendyan

Conference

Катастрофическое наводнение на реке Дебед в мае 2024 г. (Армения)

В.Р. Бойнагрян, А.С. Пилоян
