

# Lilit Sargis Banyan

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## Research Center of Chemistry

Էկոլոգիական անվտանգության լաբորատորիա  
Senior laboratory assistant

## 🌐 Language skills

Հայերեն Русский English

## 📁 Work experience

Institution	Yerevan State University
Period of time	1993 till now
Rank/degree	Researcher

## 🔬 Scientific interests

- Environmental protection

## 📖 Publications

Article

### **FRACTALITY OF THE RIVERS NETWORK OF THE LAKE SEVAN BASIN**

G. S. SIMONYAN, A. G. SIMONYAN, H. G. KHACHATRYAN, L. S. BANYAN, S. S. HAYRAPETYAN,

L. A. MARGARYAN

Journal of the Balkan Tribological Association 2025 93-101

Article

### **EVALUATION OF AIR POLLUTION RISKS TO HUMAN HEALTH FROM MINING AREAS IN KAPAN TOWN OF ARMENIA**

L. A. MARGARYAN, H. G. KHACHATRYAN, G. S. SIMONYAN, A. A. ARAKELYAN, A. H. NERSISYAN,

L. S. BANYAN, S. S. HAYRAPETYAN, A. I. MARTIRYAN

Journal of Environmental Protection and Ecology 2025 825-832

Article

### **ASSESSMENT OF A SELF-PURIFICATION CAPACITY OF VOGHJI RIVER UNDER THE ENVIRONMENTAL RISK**

L. A. Margaryan, A. A. Arakelyan, A. M. Khachatryan, G.S. Simonyan, L.S. Banyan, S.S. Hayrapetyan

Journal of Environmental Protection and Ecology 2024 374-381

Article

### **STUDY OF THE PROCESSES IN ACID MINING DRAINAGE WASTES DURING ITS NEUTRALISATION WITH SODIUM HYDROXIDE**

S. S. HAYRAPETYAN, L. A. MARGARYAN, L. S. BANYAN, G. S. SIMONYAN, A. S. ARAKELYAN,

H. G. KHACHATRYAN

Journal of Environmental Protection and Ecology 2024 411-419

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*Article*

**Оценка пригодности вод реки Вохчи для орошения в загородной черте города Капан**

Л.А. Маргарян, С.С. Айрапетян, А.М. Хачатрян, Л.С. Банян, А.И. Мартирян

Ճգնաժամային կառավարում և տեխնոլոգիաներ 2023 108-110

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*Article*

**THE INFLUENCE OF ACIDIC TREATMENT OF MINERAL CONDITIONERS ON THEIR STRUCTURE-FORMING PROPERTIES**

S.S.Hayrapetyan, L.S.Banyan, H.G.Khachatryan, M. S. Chobanyan, V. A. Hovhannisyan

Proceedings of the YSU B: Chemical and Biological Sciences 2022 1-9

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*Article*

**THE INFLUENCE OF THE ACIDIC TREATMENT OF PEAT ON ITS SORPTION PROPERTIES**

S.S.Hayrapetyan, L.S.Banyan, L.A.Margaryan, H.G.Khachatryan, A.I.Martiryan

Proceedings of the YSU B: Chemical and Biological Sciences 2022 120-125

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*Article*

**КОМПОЗИТНЫЕ СОРБЕНТЫ НА ОСНОВЕ ДИАТОМИТ-БЕНТОНИТА И БУМАГИ ДЛЯ ВОССТАНОВЛЕНИЯ ФОСФОРА ИЗ ВОДНЫХ СИСТЕМ**

М. С. Айрапетян, С. С. Айрапетян, Л. А. Маргарян, В. А. Оганнисян, Л. С. Банян

Экологическая химия 2021 101-105

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*Article*

**Assessment of self-purification chemical processes of the river Hrazdan in Armenia**

L. A. MARGARYAN, S. S. HAYRAPETYAN, L. S. BANYAN, A. I. MARTIRYAN

Chemical Journal of Armenia 2021 239-244

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*Article*

**Structuring of effluent particles by means of treatment of bentonite base mineral conditioners**

S.S.Hayrapetyan, L.S.Banyan, G.P.Pirumyan

Proceedings of the YSU B: Chemical and Biological Sciences 2020 26-32

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*Conference*

**ОЦЕНКА ЭФФЕКТИВНОСТИ ИСПОЛЬЗОВАНИЯ ОСАЖДЕНИЯ СТРУВИТА ДЛЯ ИЗВЛЕЧЕНИЯ АЗОТА ИЗ СТОЧНЫХ ВОД**

Маргарян Л.А., Айрапетян С.С., Банян Л.С., Мартирян А.И.

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*Conference*

**Cellulose containing composite sorbents to remove heavy metals**

S.S. Hayrapetyan, M.S. Hayrapetyan, L.A. Margaryan, L.S. Banyan, A.I. Martiryan

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*Conference*

**THE STRUCTURING OF THE CATIONIC POLYMER ZETAG 9014 WITH THE CHANGES OF THE pH**

S.S. HAYRAPETYAN, L.A. MARGARYAN, L.S. BANYAN, G.P. PIRUMYAN

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*Conference*

**CELLULOSE CONTAINING COMPOSITE SORBENTS TO REMOVE HEAVY METALS FROM WASTEWATER**

S.S. HAYRAPETYAN, M.S. HAYRAPETYAN, L.A. MARGARYAN, L.S. BANYAN, G.P. PIRUMYAN

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*Conference*

**STUDY OF TN/TP RATIO CHANGES DEPENDING ON WATER LEVEL VARIATION IN THE LAKE SEVAN**

Liana MARGARYAN, Sergey HAYRAPETYAN, Lilit BANYAN, Armen MARTIRYAN

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*Conference*

**COMPOSITE CHITOSAN - SILICA GEL CONTAINING SORBENTS**

S.S.Hayrapetyan, M.S.Hayrapetyan, L.S.Banyan, L.A.Margaryan

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*Conference*

**COMPOSITE SORBENT BASED ON HUMIC ACIDS AND ALUMINOSILICATES**

Hayrapetyan Martin, Hayrapetyan Sergey, Margaryan Liana, Banyan Lilit, Martiryan Armen

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