

Audrius Armanavičius

CONTACT INFORMATION

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EDUCATION AND ACADEMIC DEGREE

- 2017 – ... Natural Sciences area, Geology science field (N005) PhD studies (Vilnius University and Nature Research Center).
Dissertation topic: “Potential of mineral resources in Lithuania and extraction factors in Anthropocene”, supervisor – dr. J. Satkūnas, consultant dr. I. Bagdanavičiūtė.
Field of research: Potential of solid minerals in Lithuania and availability for extraction.
- 1997 – 1999 Vilnius University, Geology / Master.
Master thesis topic: “*Lithogenesis of Pleistocene glacial sediments of mining deposit Tetervinai*”.
The work was carried out at Vilnius University, Department of Geology and Mineralogy. Field of research: Quaternary sedimentary lithology, calculation and mapping of mineral resources.
- 1994 – 1998 Vilnius University, Geology / Bachelor.
Bachelor thesis topic: “*Evaluation of Nemunas river delta formation conditions using lithology data*”.
The work was carried out at Vilnius University, Department of Geology and Mineralogy. Field of research: Statistical interpretation of lithological and petrographic parameters.

PROFESSIONAL EXPERIENCE

- 2018 – ... **Manager of mining operations**
Private Company „Simuva“
- 2017 – ... **Phd student**
Kvartero tyrimų laboratorija, Gamtos tyrimų centras
- 2000 – ... **Mining projection supervisor**
Private Company „GJ Magma“
2014 – mining projection supervisor;
2007 – senior geologist;
2000 – geologist
- 1998 – 2000 **Security guard**
Private Company „Balderis“

RESEARCH INTERESTS

Field of research: search and exploration of minerals using the latest methods (UAV), analysis of factors influencing the availability of mineral deposits for extraction, need for mineral resources, potential and recultivation of deposits, calculation of mineral resources.

PUBLICATIONS

Scientific articles published in journals (books), indexed in „Clarivate Analytics Web of Science“ database (with citation index):

1. **Armanavičius A.**, Satkūnas J. 2019. Application of aerial photogrammetric technology for determination and parametrization of areas affected by extraction of raw materials. *Baltica*, 32 (2), 202–209. Vilnius. ISSN 0067-3064. Manuscript submitted 19 July 2019 / Accepted 27 November 2019 / Published online 12 December 2019.

Scientific articles published in conference proceedings, indexed in „Clarivate Analytics Web of Science“ database:

Scientific articles published in journals (books), indexed in „Clarivate Analytics Web of Science“ database (without citation index):

Other reviewed scientific publications (books, books' chapters, collections of articles, articles, textbooks and etc.):

Reviewed scientific articles, published in Lithuania:

1. **Armanavičius A.** 2018. Lands affected by quarries: data collation and organisation. *Geologijos akiračiai*, 2: 23-27.
2. **Armanavičius A.** 2019. The first project of anhydrite mining in Lithuania. *Geologijos akiračiai*, 1-2: 35-36.
3. **Armanavičius A.** 2020. An industrial prototype of sapropel dewatering was invented, patented and manufactured in Lithuania. *Geologijos akiračiai*, 3-4: 44-46.
4. **Armanavičius A.** 2021. The first mine of the jewel stone – angelite was discovered and explored in Lithuania. *Geologijos akiračiai*, 1-2: 57-59.

PARTICIPATION IN INTERNATIONAL AND NATIONAL SCIENTIFIC PROGRAMMES AND PROJECTS

2015 **Responsible person of the executor.** „Lands affected by quarries: data collation and organisation“, Geological Survey of Lithuania, Vilnius, Lithuania.
https://www.lgt.lt/images/Skelbimai/Informacijos_apie_pazeistas_zemes_sukaupimas_ir_susistemimas_Galutine_ataskaita.pdf

INTERNSHIP AND TRAINING

2017 *"Development of European structural funds projects", Management Innovation Agency, Vilnius, Lithuania*

PARTICIPATION IN SCIENTIFIC CONFERENCES

International scientific conferences:

1. 62nd International Conference for Students of Physics and Natural Sciences “Open Readings 2019” Post presentation – **Armanavičius A.**, Satkūnas J. “Scale of illegal mineral excavation in Lithuania”, Vilnius University (VU), 19-22 March 2019, Vilnius, Lithuania
<https://www.openreadings.eu/wp-content/uploads/2019/03/abstractbook19.pdf>

2. Geolinks International Conference on Earth Sciences. Oral presentation, virtual speaker – **Armanavičius A.** “Protection and Monitoring of Resources by Aerial Photogrammetric Technology in Lithuania”, Imperial Hotel, 5-7 October 2020, Plovdiv, Bulgaria
3. 5th International Conference on Geology and Earth Science. Oral presentation – **Armanavičius A.**, Satkunas J. “Monitoring of Illegal Resources Excavation by Aerial Photogrammetric Technology in Lithuania”, 16 October 2020, India, Virtual Conference
4. International Conference of the University of Latvia Quaternary Geology and Geomorphology. Oral presentation – **Armanavičius A.**, Satkunas J. “An Integrated Approach For Determination Of Potential Of Sand And Gravel In Quaternary Formations”, 3 February 2021, Latvia, Virtual Conference
https://www.konference79.lu.lv/fileadmin/user_upload/LU.LV/Apaksvietnes/Konferences/79_konference/79_zin_konf_programma__1_.pdf
5. XXXI Conference Current and Prospects of Mineral Resources Economy. Post presentation – Wołkowicz S., Satkunas J., Kostrz-Sikora P., Tymiński M., Siewruk-Wróblewska D., **Armanavičius A.** “Polish – Lithuanian Trade In Mineral Resources (2000-2020)”, 16-18 November 2022, Rytro, Poland
<https://konferencja-aktualia.min-pan.krakow.pl/program>

National scientific conferences:

1. 22nd Conference for Junior Researchers „Science – Future of Lithuania“, Oral presentation – **Armanavičius A.**, Satkūnas J. “Environmental impact from mining resources excavation in Lithuania”, Vilnius Gediminas Technical University (VGTU), 20 March 2018, Vilnius, Lithuania
2. 4th Conference for PhD Students of Geology of Lithuania, Oral presentation – **Armanavičius A.**, Satkūnas J. “Mineral resources of Lithuania: accounting, excavation and illegal mining”, Vilnius University (VU), 14 December 2018, Vilnius, Lithuania
<https://www.lmaleidykla.lt/ojs/index.php/geologija-geografija/article/view/3890>

PARTICIPATION IN THE STUDY PROCESS

OTHERS

- 1997 - EUGEN-97 (EUropean GEosciences students Network), Aveiro (Portugal), conference;
- 2001 - EUGEN-01 (EUropean GEosciences students Network), Plateliai (Lithuania), conference;
- 2011 - EUGEN-2011 (EUropean GEosciences students Network), Duburys, (Lithuania), conference;
- 2014 – Kuzavinienė T., Azaravičius D., **Armanavičius A.**, Juozapavičius J. “Innovative methods for the research of mineral resources and calculating resources”, In: “Lithuanian Mineral Resources and their Usage”, Geological Survey of Lithuania, Vilnius, Lithuania, seminar;
- 2015 - Juozapavičius G., Kuzavinienė T., **Armanavičius A.** “Lithuania territory affected by mining exploration areas” In: “Mention of international soil year”, Ministry of the Environment of the Republic of Lithuania, Vilnius, Lithuania, seminar;
- 2015 - Juozapavičius G., Azaravičius D., **Armanavičius A.** “Mining in Lithuania without Geological Survey of Lithuania permission”, In: Association of Geological Enterprises, Vilnius, Lithuania, seminar;
- 2022 – Lithuanian Geological Survey under the Ministry of Environment and the Lithuanian Careers Association award "For high professional experience"