

Simonas Danielius

CONTACT INFORMATION

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EDUCATION AND ACADEMIC DEGREE

2006 – 2008 Vilnius University, Geological survey and prospecting, Master degree
Location: Vilnius University and Aarhus University (Aarhus, Denmark)
Main focus: Porosity and permeability measurements;

2002 – 2006 Vilnius University, Geology, Bachelor's degree
Location: Vilnius University and Denmark's technical University
(Copenhagen, Denmark)
Main focus: Porosity and permeability measurements

PROFESSIONAL EXPERIENCE

2012 09 – now Chief specialist
Lithuanian geological survey

RESEARCH INTERESTS

Main focus is on peatlands, also known as bogs, fens, and mires. Using variety of instruments to determine peatland surface subsidence, carbon dioxide concentration and water level dynamics.

PUBLICATIONS

PARTICIPATION IN INTERNATIONAL AND NATIONAL SCIENTIFIC PROGRAMMES AND PROJECTS

INTERNSHIP AND TRAINING

PARTICIPATION IN SCIENTIFIC CONFERENCES

International scientific conferences:

1. **Danielius S.**, Minkevičius V., Mikulėnas V., Satkūnas J. 2022. Application of airborne photogrammetry for the monitoring of the karst phenomena. Quaternary of the Eastern Baltic Region. Excursion guide and abstracts of international field symposium, 10-15 September 2022, Vilnius, Lithuania / Eds: V. Šeirienė and A. Bitinas. Nature Research Centre, Vilnius, 2022.
2. Minkevičius V., Taminskas J., Mikulėnas V., Satkūnas J. & **Danielius S.** 2022. Karst development intensity - the case of the North Lithuania. Geosciences for a sustainable future. CONGRESSO SGI-SIMP 2022. Torino. Abstract book.

3. Minkevičius V. , **Danielius S.** , Mikulėnas V. , Satkūnas J. (2023). Semi-automatic karst sinkhole detection from digital elevation or surface models. 81st International Scientific Conference of the University of Latvia. <https://www.konference81.lu.lv/>

National scientific conferences:

1. Taminskas J., Mikulėnas V., **Danielius S.**, Satkūnas J., Minkevičius V. Karstinės denudacijos intensyvumas ir klimato kaita – Lietuvos atvejis. Karst Denudation Intensity and Climate Change – Case of Lithuania. Konferencija „Klimato kaita Lietuvoje: globalūs ir nacionaliniai iššūkiai, stebėseną ir politikos gairės“. 2020 m. gegužės 22 d.

PARTICIPATION IN THE STUDY PROCESS

OTHERS

1. Mikulėnas, V., Minkevičius, V., Danielius, S., Taminskas, J., Linkevičienė, R., Dilys, K., Dagys, B., “Monitoring of the karstic landscape and investigation of chemical denudation in 2018” Lithuanian Geological Survey: Annual Report 2018.
2. Mikulėnas, V., Minkevičius, V., Kanopienė, R., Danielius, S., Taminskas, J., Linkevičienė, R., Dilys, K., Skuodienė, N. Monitoring of the karstic landscape and investigations of chemical denudation in 2019. Lithuanian geological survey annual report 2019. Vilnius, 2020.
3. Taminskas, J., Mikulėnas, V., Danielius, S., Satkūnas, J. and Minkevičius V. (2020) “Karst Denudation Intensity and Climate Change – Case of Lithuania”, *Vilnius University Proceedings*, 100, p. 38. doi: 10.15388/Klimatokaita.2020.05.22
4. Danielius, S., Minkevičius, V., Mikulėnas, V., Lozovskis, S., Lokutijevskis, V. Survey with unmanned aerial vehicle and ground penetrating radar. Lithuanian Geological Survey: Annual Report 2018.