

Rimutė Stakenienė

CONTACT INFORMATION

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EDUCATION AND ACADEMIC DEGREE

1990-1999 PhD of Physical sciences, Geography (06 P);
PhD thesis: „Hydrocarbons in the sedimentary environments of a lake, river, lagoon and sea” (Institute of Geography and Vilnius University).

1973–1978 Vilnius University, Faculty of Chemistry, chemist/ lecturer

PROFESSIONAL EXPERIENCE

2017 07 – until now **Senior researcher**
Institute of Geology and Geography, Nature Research Centre
Laboratory of Geoenvironmental Research

1997–2017 **Researcher**
Institute of Geography (since 2010 01 01 - Institute of Geology and Geography, Nature Research Centre; since 2002 04 01 - Institute of Geology and Geography)

1978–1997 **Junior researcher**
Department of Geography, Lithuanian Academy of Sciences (since 1990 – Institute of Geography)

RESEARCH INTERESTS

Environmentally hazardous substances; organic geochemistry; studies of hydrocarbon concentrations and composition in various sedimentary environment using modern chemical analysis methods of molecular level separation; indicators of sedimentary environment contamination and their analysis; assessment of pollution and ways to reduce it.

PUBLICATIONS

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

Raudonytė-Svirbutavičienė, E., Stakenienė, R., Jokšas, K., Valiulis, D., Byčenkienė, S., Žarkov, A. (2022) Distribution of polycyclic aromatic hydrocarbons and heavy metals in soil following a large tire fire incident: A case study. Chemosphere, 286: art. no. 131556.
<https://doi.org/10.1016/j.chemosphere.2021.131556>

Raudonytė-Svirbutavičienė, E., **Stakėnienė, R.**, Baužienė, I., Jokšas, K. (2021) Polycyclic aromatic hydrocarbons in various Lithuanian water bodies and a positive matrix factorization-based identification of pollution sources. *Baltica*, 34 (1): 17–26.

<https://doi.org/10.5200/baltica.2021.1.2>

Raudonytė-Svirbutavičienė, E., **Stakėnienė, R.**, Jokšas, K., Matulaitienė, I., Mikoliūnaitė, L., Žarkov, A., Kareiva, A. (2021) Study of microplastic occurrence on the sandy beaches of Šventoji, Lithuania. *Baltica*, 34 (1): 47–57.

<https://doi.10.5200/baltica.2021.1.4>

Jokšas, K., **Stakėnienė, R.**, Raudonytė-Svirbutavičienė, E. (2019) On the effectiveness of tributyltin ban: Distribution and changes in butyltin concentrations over a 9-year period in Klaipėda Port, Lithuania. *Ecotoxicology and Environmental Safety*. 183: art. no. UNSP 109515.

<https://doi.org/10.1016/j.ecoenv.2019.109515>

Stakėnienė, R., Jokšas, K., Zinkutė, R., Raudonytė-Svirbutavičienė, E (2019) Oil pollution and geochemical hydrocarbon origin markers in sediments of the Curonian Lagoon and the Nemunas River Delta. *Baltica*: 32 (1): 22–32.

<https://doi:10.5200/baltica.2019.1.3>

Stakėnienė, R., Jokšas, K., Galkus, A., Raudonytė-Svirbutavičienė, E. (2019) Polycyclic aromatic hydrocarbons in surface sediments from the Curonian Lagoon and the Nemunas River Delta (Lithuania, Baltic Sea): distribution, origin, and suggestions for the monitoring program. *Environmental Monitoring and Assessment*. 191(4): art. no. 212.

<https://doi.org/10.1007/s10661-019-7367-6>

Marčiulionienė, D., Lukšienė, B., Montvydienė, D., Jefanova, O., Mažeika, J., Taraškevičius, R., **Stakėnienė, R.**, Petrošius, R., Maceika, E., Tarasiuk, N., Žukauskaitė, Z., Kazakevičiūtė, L., Volkova, M. (2017) Cs-137 and plutonium isotopes accumulation/retention in bottom sediments and soil in Lithuania: A case study of the activity concentration of anthropogenic radionuclides and their provenance before the start of operation of the Belarusian Nuclear Power Plant (NPP). *Journal of Environmental Radioactivity*. 178: 253–264.

<https://doi.org/10.1016/j.jenvrad.2017.07.024>

Stakėnienė, R., K. Jokšas, A. Galkus & E. Raudonytė-Svirbutavičienė (2016) Aliphatic and polycyclic aromatic hydrocarbons in the bottom sediments from Klaipėda Harbour, Lithuania (Baltic Sea). *Chemistry and Ecology*, 32:4, 357–377.

<https://doi.org/10.1080/02757540.2016.1142977>

Zinkutė, R., Baltrūnas, V., Taraškevičius, R., Karmaza, B., **Stakėnienė, R.**, Šeirienė, V., Kisielienė, D. (2015) Quaternary interglacial sediments as possible natural sources of arsenic and molybdenum anomalies in stream sediments in Lithuania. *Journal of Environmental Engineering and Landscape Management*. 23 (01): 60–70.

<https://doi:10.3846/16486897.2014.926909>

Baltrūnas, V., Zinkutė, R., Šeirienė, V., Katinas, V., Karmaza, B., Kisielienė, D., **Stakėnienė, R.**, Pukelytė, V. (2014) The earliest Pleistocene interglacials in Lithuania in the context of global environmental changes. *Geological Quarterly*. 58(1): 145–162.

<http://dx.doi.org/10.7306/gq.1148>

Taraškevičius R., Zinkutė R., **Stakėnienė R.**, Radavičius M. (2013) Case study of relationship between aqua regia and real total contents of harmful trace elements in some European soils. *Journal of Chemistry*. vol 2013 (2013), Article ID 678140, <http://dx.doi.org/10.1155/2013/678140>

Taraškevičius R., Stančikaitė M., Bliujienė A., **Stakėnienė R.**, Zinkutė R., Kusiak J. (2012) Search for geochemical indicators of pre-urban habitation sites: case study from Skomantai hill-fort and settlement, western Lithuania. *Geochemistry: exploration, environment, analysis*. Nr. 12(4), 265–275. - ISSN: 1467-7873. <http://dx.doi.org/10.1144/geochem2012-123>

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

Bliujienė, A. Stančikaitė M., Kisielienė D., Mažeika J., Taraškevičius R., Szwarczewski, P., Messal S., **Stakėnienė R.** (2012) Skomantai hill-fort in Western Lithuania : a case study on habitation site and environment. *Archaeologia Baltica*. Vol. 1, 17, 101–135.

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

Taraškevičius R., Bliujienė A., Karmaza B., Merkevičius A., Nemickienė R., Rackevičius G., Sarcevičius S., **Stakėnienė R.**, Strazdas D., Širvydaitė S., Vaitkevičius G., Zinkutė R. (2013) Geocheminiai tyrimų metodai archeologijoje – taikymo galimybės. Metodai Lietuvos archeologijoje. Mokslas ir technologijos Lietuvos praeičiai pažinti. Sudarė Algimantas Merkevičius. Vilniaus universiteto leidykla. 249–304. –ISBN 978-609-459-278-2.

Jokšas, K., Galkus, A., **Stakėnienė, R.** The only Lithuanian seaport and its environment. Vilnius: Geologijos ir geografijos institutas, 2003. 314 p. – ISBN 9955-555-02-5.

PARTICIPATION IN INTERNATIONAL AND NATIONAL SCIENTIFIC PROGRAMMES AND PROJECTS

2021–2025 **Researcher** - Būtingės naftos terminalo 2021–2025 metų aplinkos monitoringo programos vykdymas“. Užsakovas – Akcinė bendrovė „ORLEN Lietuva“ (atstovė Lietuvoje).

PARTICIPATION IN SCIENTIFIC CONFERENCES

National scientific conferences:

R. Stakėnienė, K. Jokšas, E. Raudonytė-Svirbutavičienė. Policikliniai aromatiniai angliavandeniliai Nemuno deltos dugno nuosėdose. 12-oji nacionalinė jūros mokslų ir technologijų konferencija JŪROS IR KRANTŲ TYRIMAI 2019, Klaipėda. P. 182-185.