

## Curriculum vitae (CV)

<b>Name, Family Name:</b>	Janis Krumins
<b>Researcher's unique identifier(s):</b>	ORCID ID: 0000-0002-9750-0313 SCOPUS ID: 57204492699
<b>EDUCATION</b>	
2016	<b>PhD in Geography</b> Environmental science; Environmental protection. Faculty of Geography and Earth Sciences; Department of Environmental Science; University of Latvia; Latvia.
2011	<b>MSc in Geology</b> Applied geology; Quaternary geology. Faculty of Geography and Earth Sciences; Department of Geology; University of Latvia; Latvia.
2009	<b>BSc in Geology</b> Faculty of Geography and Earth Sciences; Department of Geology; University of Latvia/Latvia.
<b>POSITIONS</b>	
2018 – present	<b>Lead researcher</b> University of Latvia, Faculty of Geography and Earth Sciences, Department of Environmental Science, Raiņa bulv.19, Riga, Latvia, LV-1586.
2017 – 2018	<b>Acting lead researcher</b> University of Latvia, Faculty of Geography and Earth Sciences, Department of Environmental Science, Raiņa bulv.19, Riga, Latvia, LV-1586.
2015 – 2017	<b>Researcher</b> University of Latvia, Faculty of Geography and Earth Sciences, Department of Environmental Science, Raiņa bulv.19, Riga, Latvia, LV-1586.
2012	<b>Laboratory assistant</b> University of Latvia, Faculty of Geography and Earth Sciences, Department of Geology, Raiņa bulv.19, Riga, Latvia, LV-1586.
2011 – 2015	<b>Laboratory assistant</b> University of Latvia, Faculty of Geography and Earth Sciences, Department of Environmental Science, Raiņa bulv.19, Riga, Latvia, LV-1586.
<b>PROJECTS</b>	
2021 – present	<b>Project member</b> State Research Program Project No. ZD2010/AZ03 “Sustainable use of natural resources in the context of climate change”.
2021 – present	<b>Project member</b> Nature Conservation Agency Project No. AAP2018/B208 “Study of environment affected by bog fire and bog restoration”.
2021 – present	<b>Project member</b>

	ERDF Project No. 1.1.1.1/19/A/013 “Innovation of the waste-to-energy concept for the low carbon economy: Development of novel carbon capture technology for thermochemical processing of municipal solid waste (Carbon Capture and Storage from Waste - CCSW)”
2017 – 2020	<b>Project lead implementer, manager</b> ERDF Project No. 1.1.1.2/VIAA/1/16/008 „Innovative use of fen peat in environmentally friendly technologies”. The post-doctoral research project.
2016 – 2017	<b>Project member</b> State Research Program Project No. ZD2010/AZ03 “Sustainable use of natural resources in the context of climate change”.
2015	<b>Project member</b> State Research Program Project No. AAP2015/B006 “Innovation in the use of bog and peat resources”.
2014 – 2015	<b>Project member</b> ESF Project No. 2014/0009/1DP/1.1.1.2.0/13/APIA/VIAA/004 “An interdisciplinary group of young scientists for the study, sustainable use and protection of Latvian mires and their resources (PuReST)”.
2012 – 2013	<b>Project member</b> State Research Program Project No. ZD2010.26491 “Assessment of sustainability of Latvian clays for development of new products and technologies for their production”.
2011 – 2013	<b>Project member</b> State Research Program Project No. VPP 2010.10-4/VPP-5/4 “Peat and sapropel as high value raw materials for new technologies and products with high added value”.

#### **PUBLICATIONS (Scopus and Web of Science)**

**Krumins, J.;** Klavins, M.; Krukovskis, R. (2020). Characterisation of humic acids in fen peat. *International Journal of Agricultural Resources, Governance and Ecology* 16(1), pp. 74-89.

Klavins, M.; Upska, K.; Viksna, A.; ...Ansons-Bertina, L.; **Krumins, J.** (2020). A comparative study of the properties of industrially produced humic substances. *Agronomy Research* 18(3), pp. 2076-2086.

Irtiseva, K.; Baronins, J.; **Krumins, J.;** ...Klavins, M.; Medne, O. (2020). Development of peat processing methods for production of innovative products. *Key Engineering Materials* 850, pp. 9-15.

Ozols, V.; Silamikele, I.; Kalnina, L.; ...**Krumins, J.;** Klavins, M. (2020). What happens to peat during bog fires? Thermal transformation processes of peat organic matter. *Agronomy Research* 18(1), pp. 228-240.

**Krumins, J.;** Klavins, M.; Krukovskis, R.; Viksna, A.; Busa, L. (2019). The evaluation of stable isotopic ratios delta-13 C and delta-15 N in humic acids along a fen peat profile. *Environment, Technology, Resources*, pp. 123-126.

**Krumins, J.;** Klavins, M.; Kalnina, L. (2018). Fen peat in environmentally friendly technologies. *Energy Procedia* 147, pp. 114-120.

**Krumins, J.;** Yang, Z.; Zhang, Q.; Yan, M.; Klavins, M. (2017). A study of weathered coal spectroscopic properties. *Energy Procedia* 128, pp. 51-58.

**Krumins, J.;** Klavins, M.; Kalnina, L.; Seglins, V.; Kaup, E. (2016). Impact of the physico-chemical properties of fen peat on the metal accumulation patterns in mires of Latvia. *Baltica* 29(291), pp. 19-32.

**Krumins, J.;** Robalds, A. (2014). Biosorption of metallic elements onto fen peat. *Environmental and Climate Technologies* 14(1), pp. 12-17.