Curriculum vitae, list of publications and other activities

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Educations

2020- Present	Faculty of Environmental Sciences, Department of Environmental Geoscience, Czech University of Life Sciences Prague -Ph.D. studies -Applied ecology
2015-2017	Department of Soil Science, Tabriz University, Iran -Master studies -Soil science

List of Publications

Sahar Poledník Mohammadi, Jan Horák, Lenka Lisá, Jana Grytz, Hana Grison, Aleš Bajer, Ladislav Šmejda., 2023. Soils as an environmental record of changes between Iron Age and Medieval occupations at Chotěbuz -Podobora hillfort, Geoderma, Volume 429, 2023, 116259, ISSN 0016-7061, https://doi.org/10.1016/j.geoderma.2022.116259.

Lenka Lisá, **Sahar Mohammadi**, Petra Goláňová, Mária Hajnalová, Aleš Bajer, Piotr Moska, Jan Rohovec, Přemysl Král, Jan Kysela, Romana Kočárová., 2022. Detection of occupational surface remnants at a heavily eroded site; case study of archaeological soils from La

Terrasse, Bibracte oppidum, CATENA, Volume 210, 2022, 105911, ISSN 0341-8162, https://doi.org/10.1016/j.catena.2021.105911.

Petra Goláňová, Jan Kysela, Lenka Lisá, Markéta Frankova, **Sahar Mohammadi**., 2021. Caractérisation des espaces non-construits de l'oppidum (le Porrey, le Verger, le Champlain, la Fontaine du Loup Bourrou). In Guichard, Vincent. Rapport annuel 2020 du programme quadriennal de recherche 2017-2020 sur le Mont-Beuvray. Glux-en-Glenne: Bibracte, Centre archéologique européen, 2021. s. 199-222. ISBN 978-2-490601-08-0.

Sahar **Mohammadi**, Lenka Lisá., 2019. Book Review, Reconstructing Archaeological sites: Understanding the Geoarchaeological Matrix Panagiotis, IANSA, Karkanas, Paul Goldberg Wiley-Blackwell, Oxford, 296 pp., ISBN 9781119016403.2021 IANSA).

Sahar Poledník Mohammadi, Lenka Lisa, et al., 2023. Unveiling the Enigma: Decoding Human Influence in Soils with poor Development. A Fascinating Journey into the Celtic Oppidum Bibracte. (Catena- Underreview).

Sahar Poledník Mohammadi, Ivana Šitnerová, Lenka Lisá, et al., 2023. The medieval croft plužina field system in a mountain region of Central Europe: the transdisciplinary record of agricultural terraces formation in Debrné, Czechia (Geoarchaology- revise).

Lenka Lisa, **Sahar Poledník mohammadi**, et al., 2023. The impact of ant bioturbation activities on evolution of archaeological soils-Case of study Celtic oppidum Bibracte (Holocene-revise).

Sahar Mohammadi, Aliasghar jafarzade, et al., 2017. Semi quantative review of soil evolution based on Morphological and Micromorphological studies in Goharan-Khoy region, Water and soil science Journal of Tabriz, Volume29, 2017, 3-11 pp.

Sahar Mohammadi, Aliasghar jafarzade, et al., 2017. Assessing soil Evolution by Morphological and physical indices. (15th Iranian soil science congress).

Lenka Lisa, **Sahar Mohammadi**, et al., 2020. Archaeology of empty spaces -geoarchaeological research of Mt. Beuvray / Bibracte -Celtic oppidum in light of micromorphology 2020. Integrated Microscopy Approaches in Archaeobotany.

Sahar **Mohammadi**, Lenka Lisa, et al., 2021. A Pedological Approach to the Study of buried Soils as a Contribution to the climatic and human-induced erosion activity; La Terrasse, Bibracte oppidum. 2021. DIG Conference.

Sahar Mohammadi, lenka lisa, et al., 2021. Geochemical composition of archaeological soils as an environmental archive of changes between Celtic and medieval occupation; case study from hillfort Chotěbuz (Conference-RMS).

Grant and Projects

The work included in this PhD thesis was founded by the following research projects:

- Faculty of Environmental Sciences CZU Prague "Crucial impact of the ancient anthropogenic settlement on soil pedogenes – No. 2021B0001". Faculty of Environmental Sciences, Czech University of Life Sciences Prague, Kamýcká 129, Praha – Suchdol, 165 00, Czech Republic.
- Project GA19-02606S (Oppidum as an urban landscape: multidisciplinary approach to the study of space organization "intra muros"), funded by The Czech Science Foundation (GAČR)
- Institute of Geology of the Czech Academy of Sciences (no. RVO 67985831) and by the project „Ultra-trace isotope research in social and environmental studies using accelerator mass spectrometry ", Reg. No. CZ.02.1.01/0.0/0.0/16_019/0000728".
- INTER-COST (LTC19) subprogram of program INTEREXCELLENCE by Ministry of Education, Youth and Sports of the Czech Republic [Project: 'Geochemical insight into non-destructive archaeological research"; project number: LTC19016].
- INTER-EXCELLENCE of the Ministry of Education, Youth and Sports of the Czech Republic (MEYS), grants No. LTC19029.

Teaching activities

- Reviewer of bachelor thesis: Daniel Maršák., 2022. HOLOCENNÍ KLIMATICKÉ OPTIMUM V OBLASTI ÍRÁNU: GEOARCHEOLOGICKÉ A KLIMATOLOGICKÉ STUDIUM VE SPOJITOSTI S LIDSKÝM OSÍDLENÍM. JIHOČESKÁ UNIVERZITA V ČESKÝCH BUDĚJOVICÍCH. FILOZOFICKÁ FAKULTA. ARCHEOLOGICKÝ ÚSTAV.
- Seminar-teaching: Pedology and Micromorphology.,2021. (Assoc. Professor dr. Lenka Lisa). Pilsen.
- Seminar-teaching: Soil Micromorphology.,2020. (Assoc. Professor dr. Lenka Lisa). Pilsen.
- Seminar: The High Medieval croft plužina in the mountainous region of Central Europe: origin and soil development of agricultural terraces from Debrné, Czechia - Poland
- Workshop: Archaeology and Pedology- Spain. 2022.
- Seminar: Iran, Anthropology department- Pilsen (PhDr. Ladislav Šmejda, Ph.D.)
- Workshop: Royal Microscopical Society, 2021. United Kingdom (online).
- Archaeology soil micromorphology workshop. 2022. London-United Kingdom.