

## Curriculum vitae, list of publications and other activities

### *Sahar Poledník Mohammadi*

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### Educations

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

### List of Publications

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**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 (Geoarchaeology- 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. (15<sup>th</sup> 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

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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 pedogenesis – No. 2021B0001”. Faculty of Environmental Sciences, Czech University of Life Sciences Prague, Kamýcká 129, Praha – Suchbát, 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

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- 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 BUĎĚJOVICÍCH. 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.