

## Publications by Beáta Megyesi

### 2026

Yousuf, O., Aminu, A., Muhammad, M. S., Usman, B., Hashim, M. K., Nivre, J., Megyesi, B., and Christian Høgel (2026). A Handwritten Text Recognition Dataset for Ajami Manuscripts in Fulfulde and Hausa. In: Yin, X.C., Karatzas, D., Lopresti, D. (eds) *Document Analysis and Recognition – ICDAR 2025. Lecture Notes in Computer Science, vol 16026*. Springer, Cham. [https://doi.org/10.1007/978-3-032-04627-7\\_36](https://doi.org/10.1007/978-3-032-04627-7_36)

### 2025

Bruton, M. and Megyesi, B. (2025) [From Statistics to Neural Networks: Enhancing Ciphertext-Plaintext Alignment in Historical Substitution Ciphers for Automatic Key Extraction](https://doi.org/10.58009/aere-perennius0158). In *Proceedings of the 8th International Conference on Historical Cryptology (HistoCrypt 2025)*. <https://doi.org/10.58009/aere-perennius0158>

Heil, R., Kang, L., Fornés, A., Megyesi, B. (2025) Handwritten Text Recognition for Historical Writings with Rare and Unknown Scripts: The DESCRIPT Project. Presentation at *the 42nd Swedish Symposium on Image Analysis and the 8th Swedish Symposium on Deep Learning* with peer-reviewed long abstract. KTH, Sweden.

Megyesi, B. and Ruan, R. (2025) *From Text to Insight: Uncovering Linguistic Patterns with SWEGRAM*. In: Bouma, G., Dannélls, D., Kokkinakis, D., and Volodina, E. (eds). *HumInfra Handbook: Empowering digital and experimental humanities*. University of Tartu Library. pp. 307-353. <https://doi.org/10.58009/aere-perennius0179>

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Palma, C. and Megyesi, B. (2025) [DECODE2LOD: Connecting the DECODE Database with the Linked Open Data Cloud](https://doi.org/10.58009/aere-perennius0158). In *Proceedings of the 8th International Conference on Historical Cryptology (HistoCrypt 2025)*. <https://doi.org/10.58009/aere-perennius0158>

Tudor, C., Megyesi, B., and Östling, R. (2025) [Prompting the Past: Exploring Zero-Shot Learning for Named Entity Recognition in Historical Texts Using Prompt-Answering LLMs](https://doi.org/10.58009/aere-perennius0178). In *Proceedings of the 9th Joint SIGHUM Workshop on Computational Linguistics for Cultural Heritage, Social Sciences, Humanities and Literature (LaTeCH-CLfL2025)*. NAACL 2025.

Volodina, E., Masciolini, A., Megyesi, B., Prentice, J., Rudebeck, L., Sundberg, G., and Wirén, M. (2025) *SweLL with pride: How to put a learner corpus to good use*. In: Bouma, G., Dannélls, D., Kokkinakis, D., and Volodina, E. (eds). *HumInfra Handbook: Empowering digital and experimental humanities*. University of Tartu Library. pp. 251-306. <https://doi.org/10.58009/aere-perennius0178>

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Goio, G., Torras, P., Fornés, A., and Megyesi, B. (2024) [Exploring the Alignment of Transcriptions to Images of Encrypted Manuscripts](#). In *Proceedings of the 7th International Conference on Historical Cryptology (HistoCrypt 2024)*. Doi: <https://doi.org/10.58009/aere-perennius0096>

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Waldispühl, M. and Megyesi, B. (eds.) (2024) [Proceedings of the 7th International Conference on Historical Cryptology \(HistoCrypt 2024\)](#) NEALT Proceedings Series 53. D-Space at Tartu University Library Doi: <https://doi.org/10.58009/aere-perennius0084>

## 2023

Ilinykh, N., Morger, F., Dannélls, D., Dobnik, S., and Megyesi, B., and Nivre, J. (editors) [Proceedings of the Second Workshop on Resources and Representations for Under-Resourced Languages and Domains](#). NoDaLiDa 2023. Association for Computational Linguistics.

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Dahlke, C. and Megyesi, B. (eds) (2022) [Proceedings of the 5th International Conference on Historical Cryptology](#). NEALT Proceedings Series 49. HistoCrypt 2022. Published by Linköping Electronic Press.

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