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Research Fellow

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and

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EDUCATION

2011 **PhD, Eötvös Loránd University, Budapest**

Atelier, European Social Science and Historiography Department, Budapest

2000 **MA in History, Eötvös Loránd University Budapest**

PROFESSIONAL CAREER

2018- **Research Fellow**, Centre for Social Sciences

2016-2018 **Head of Department**,

Hungarian National Archives, Department of Government Organs and Workers' Parties'
Documents after 1945

2014-2016 **Assistant Manager**,

Hungarian National Archives, Department of Government Organs and Workers' Parties'
Documents after 1945

2000-2014 **Archivist**, Hungarian National Archives

RESEARCH EXPERIENCE

Senior Researcher, Social history analysis of the press between 1945 and 1989 with the
methods of natural language processing (NLP) NKFI-FK- 131826.
<https://recens.tk.mta.hu/computational-social-textanalytics-science-lab-costence-lab> (2019-)

Researcher, Quantitative Text Analysis and Text Mining in Political Science
<https://poltext.tk.mta.hu/en> (2019-)

Leader of a Member Project, of the project at the Centre for Social Sciences, one of the consortium members of Artificial Intelligence National Laboratory (Elaboration of a domain-specific method for Hungarian sentiment analysis of the political domain, mainly considering news texts) (2020-2021)

Project Coordinator, of the project at the Centre for Social Sciences, one of the consortium members of Artificial Intelligence National Laboratory (2020-)

TEACHING EXPERIENCE:

2020- PhD Supervisor

Eötvös Loránd University, Faculty of Humanities

2017- Visiting Lecturer, PhD Supervisor

University of Theatre and Film, Arts

EDITORIAL ACTIVITIES

2018- **Editor** of Korall Journal for Social History (www.korall.org)

2001-2003 **Editor** of Archivnet (www.archivnet.hu)

GRANTS

2019 Book Publishing Grant (Hungarian Academy of Sciences)

2005 Research Grant (Institute of Political History)

LANGUAGES AND SKILLS

German: C1

English: B2

Data analysis: Text mining, data analysis and statistical skills in Excel, STATA, R, MAXQDA, ATLAS.ti

SELECTED PUBLICATIONS

2020 Szabó, Martina Katalin; Ring, Orsolya; Nagy, Balázs; Kiss, László; Koltai, Júlia; Berend, Gábor; Vidács, László; Gulyás, Attila and Kmetty, Zoltán: Exploring the Dynamic Changes of Key Concepts of the Hungarian Socialist Era with Natural Language Processing Methods. *Historical Methods: A Journal of Quantitative and Interdisciplinary History*. DOI: 10.1080/01615440.2020.1823289 IF:0,813

2020 Gulyás, Attila; Szabó, Martina Katalin; Ring, Orsolya; Kiss, László, Boros, István: Networks of political elite and political agenda topics. Creation and analysis of historical corpora using NLP and SNA methods. In: Rudas Tamás, Péli Gábor (eds.) *Pathways Between Social Science and Computational Social Science – Theories, Methods and Interpretations*. New York, Springer (2020) (forthcoming)

2020 Ring, Orsolya; Kiss, László: Agenda dynamics in a Socialist autoracy (1957-1989). In: Boda, Zsolt; Sebők Miklós (eds.) *Political Regimes and Policy Dynamics: The Case of Hungary (1868-2018)*. Palgrave (2020) (forthcoming)

2020 Agricultural policy challenges and legislation in the early Kádár-era. Text analysis and text mining of historical sources. *Digital Humanities* (submitted)

SELECTED CONFERENCE PRESENTATIONS

2020 Kmetty, Zoltán; Vincze, Veronika; Demszky, Dorottya; Ring, Orsolya; Nagy, Balázs; Szabó, Martina Katalin: Pártélet: A Hungarian Corpus of Propaganda Texts from the Hungarian Socialist Era. *12th International Conference on Language Resources and Evaluation*. Marseilles (2020)

2020 Vincze, Veronika; Kmetty, Zoltán, Szabó, Martina Katalin, Ring, Orsolya: Objectivity or bias? A comparative analysis of Hungarian news media discourse. (accepted *RC33 Conference 2020*)

2020 Ring, Orsolya; Kmetty, Zoltán; Szabó, Martina Katalin; Kiss, László; Nagy, Balázs; Vincze, Veronika: Kulcsfogalmak jelentésváltozása a Kádár-korszak politikai diskurzusában [Mapping the dynamic change of key concepts in the political discourse of the Kádár era]. *XVI. Magyar Számítógépes Nyelvészeti Konferencia*. Berend, Gábor; Gosztolya, Gábor; Vincze, Veronika (Eds.) Szeged (2020) pp. 333-342.

2020 Szabó, Martina Katalin; Ring, Orsolya; Vincze, Veronika: 1956 és 1989 között keletkezett propagandaszövegek nyelvi sajátosságai [Linguistic features of propaganda texts (1956-1989)]. *XVI. Magyar Számítógépes Nyelvészeti Konferencia*. Gábor Berend, Gábor Gosztolya, Veronika Vincze (Eds.) Szeged (2020) pp. 343-353.

2019 Szabó, Martina Katalin; Ring, Orsolya; Nagy, Balázs; Kiss, László; Berend, Gábor; Vidács, László; Kmetty, Zoltán: Mapping the dynamic change of the concept “industry” and “agriculture” in the Hungarian Socialist era using a word embedding model. *2nd Annual POLTEXT Conference* Tokió, Japán (2019)

2019 Martina Katalin Szabó, Ring Orsolya, Veronika Vincze: Automatic analysis of linguistic features in Communist propaganda texts. *Social Informatics Conference*, Doha, Quatar (2019)

BOOKS IN HUNGARIAN

2019 Ring, Orsolya: *A Nemzeti Színház-kép változásai és változatai a késői Kádár-korszakban [Variations and Changes of the Concept of the National Theater in the Late Kádár-era]*. Budapest, Martin Opitz Kiadó (2019) 178.p. ISBN 978-963-9987-58-6

2018 Imre, Zoltán (ed.); Ring, Orsolya (ed.): *Szigorúan titkos: Dokumentumok a Kádár-kori színházirányítás történetéhez [Top secret: Documents for the history of theater control in the Kádár era]*. Budapest (2018) 659.p. ISBN: 978-615-5517-26-6

2018 Cseh Gergő Bendegúz; Haász Réka; Katona Klára; Ring Orsolya; Tóth Eszter (szerk.): *"Ez a sugárzás nem ismer határokat": Dokumentumok a csernobili katasztrófa magyarországi következményeiről. [This radiation knows no borders": Documents on the consequences of the Chernobyl disaster in Hungary]* Pécs-Budapest, Állambiztonsági Szolgálatok Történelmi Levéltára, Kronosz Kiadó (2018), 636 p.

2010 Imre Zoltán; Ring Orsolya (szerk.): *Szigorúan bizalmas: Dokumentumok a Nemzeti Színház Kádár-kori történetéhez. [Strictly confidential: Documents for the Kádár era National Theater story.]* Budapest, Ráció Kiadó (2010), 520 p.