I Curriculum Vitae

Current Position:
Institute of Philosophy
Research Center for the Humanities
Hungarian Academy of Sciences
Tóth Kálmán u. 4., H-1094 Budapest, Hungary
Tel: 0036-1224-6700/166
Email: szabo.gabor@btk.mta.hu
Home page: http://hps.elte.hu/∼gszabo

Personal:
Birth: 9 March 1969 in Szombathely, Hungary
Gender: Male
Citizenship: Hungarian
Marital status: Married, one daughter and two sons

Research interests:
History and philosophy of probability and causality, foundations of quantum mechanics, quantum field theory and quantum logic, Bell theorems and Reichenbach's Common Cause Principle, philosophy and history of modern physics.

Academic education:
2020 D.Sc. in philosophy of science (Hungarian Academy of Sciences)
2012 habilitation (Eötvös Loránd University Budapest)
2001 Ph.D. in philosophy of science (Budapest University of Technology and Economics)
1993 M.A. in physics (Eötvös Loránd University Budapest)

Positions held:
2021-2024: deputy head of the Institute for Philosophy at the Research Centre for the Humanities
2020-2021: head of the Institute for Philosophy at the Research Centre for the Humanities
2019-present: leader of Sociophysics research group at Institute of Advanced Studies, Kőszeg.
2018-present: scientific advisor in the Institute for Philosophy at the Hungarian Academy of Sciences
2012-2018: senior research fellow in the Institute for Philosophy at the Hungarian Academy of Sciences
2012-2016: associate professor in János Neumann Faculty at Óbuda University
2008-2011: János Bolyai research fellow at Eötvös University Budapest
2006-2012: associate professor at King Sigismund College
2003-2006: János Bolyai research fellow at Budapest University of Technology and Economics

Longer-term international experience:
2021-2022: Friedrich Wilhelm Bessel Award of the Alexander von Humboldt Foundation, Munich Center for Mathematical Philosophy, Munich, Germany
2011-2012: Fulbright Research Grant in the Center for Philosophy of Science at the University of Pittsburgh, USA
1996-1997: KAAD Research Grant in the Department of Philosophy at the Ludwig Maximilian University of Munich, Germany

Languages skills:
Hungarian (native), English (fluent), German (formerly fluent), Italian (intermediate)

Award:
Teacher-Researcher Award of the Hungarian Academy of Science, 2004.

Funding ID:
– Bessel Award of the Alexander von Humboldt Foundation (45.000 EUR)
– "Rethinking the foundations of probability, causality, and contextuality: applications in physics and beyond," National Research, Development and Innovation Office, OTKA, K 134275, (philosophy of science, principal investigator), 2020-2024. (52.000 EUR)
– Senior Research Grant of the Sidney M. Edelstein Center of the Hebrew University of Jerusalem,

Israel, 2020 May-June. (10.000 USD, cancelled due to pandemic).
– "Contextuality – a limit on unifying discourses," Senior Research Grant of the Institute of Advanced Studies Kőszeg, 2019 September-December.
– "Contextuality in physics and beyond," Senior Research Grant of the Institute of Advanced Studies Kőszeg, 2018 September-December.
– "A Formal Approach to the Metaphysical Foundations of Physics," Research Grant of the Hungarian National Science Foundation, OTKA, K 115593, (philosophy of science, principal investigator), 2015-2019. (52.000 EUR).
– "Probability, Causality and Determinism," Bilaterial Mobility Grant of the Hungarian and Polish Academies of Sciences, (philosophy of science, co-principal investigator), 2014-2016. (2.200 EUR).
– Senior Research Fellowship of the Munich Center for Mathematical Philosophy, Munich, 2015 June. (1.500 EUR).
– "Probability, Causality, Space, and Time," Scientific Research Grant of the Hungarian National Science Foundation, OTKA, K 100715, (philosophy of science, member), 2012-2015 (27.000 EUR).
– Fulbright Research Grant, 2011-2012 (18.000 USD).
– Research Grant of the Center for Philosophy of Science at the University of Pittsburgh, 2011-2012 (21.000 USD).
– "Correlations and their explanation," Scientific Research Grant of the Hungarian National Science Foundation, OTKA, T 043642, (philosophy of science, member), 2003-2005 (28.000 EUR).
– "Forms of knowledge," Scientific Research Grant of the Hungarian National Science Foundation, OTKA, T 037575, (philosophy of science, member), 2002-2005 (16.000 EUR).

Professional service:
– Deputy head (former head) of the Institute for Philosophy at the Research Centre for the Humanities
– Member of the Editorial Board of the European Journal for the Philosophy of Science
– Head of the Philosophy of Physics Research Group of the Hungarian Academy of Sciences
– Leader of the Budapest Research Group on the Philosophical Foundations of Science (http://bp-group.tumblr.com/)
– Member of the Steering Committee of the Institute for Philosophy of the Hungarian Academy of Sciences
– Member of the Philosophy Committee at the Hungarian Academy of Sciences (2014-2017)

In program committees:
– East European Network for Philosophy of Science Conference, Belgrade, July 2020.
– Foundations of Physics Conference, Utrecht, July 2018.
– European Philosophy of Science Association, Exeter, September 2017.
– East European Network for Philosophy of Science Sofia, June 2016.
– European Philosophy of Science Association, Düsseldorf, September 2015.
– Foundations of Physics Conference, Munich, July 2013.

Referee for:
The British Journal for the Philosophy of Science, Foundations of Physics, Philosophy of Science, International Journal of Theoretical Physics, Studies in History and Philosophy of Modern Physics, Journal of Mathematical Physics, Synthese

Invited talks in the last 5 years at the following workshops/seminars:
(A full list of my talks is available from my website: http://hps.elte.hu/∼gszabo.)

– "Causality and operational equivalence," Department of Philosophy, Jagiellonian University, Kraków, Poland, 2024 October.
– "Bridgmanian quantum mechanics," Department of Philosophy, Pisa, Italy, 2024 August.
– "Operational equivalence and causal structure," Sigma Club, London School of Economics, London,

2024 March.
– "Operational equivalence and causal structure," Physics meets Philosophy workshop, Institute of Philosophy, Research Centre for the Humanities, Budapest, 2023 November.
– "Kvantumelmélet és interpretáció (Quantum Theory and interpretation)," Kelet Kávézó, Budapest, 2023 November.
– "A kvantumelmélet modális interpertációja (The Modal interpretation of Quantum Theory)," Modalitások konferencia, Institute of Philosophy, Research Centre for the Humanities, Budapest, 2023 October.
– "Three types of Bell inequality," "Triennial International Conference of the Italian Society for Logic and the Philosophy of Science, Urbino, Italy, 2023 September.
– "Three types of Bell inequality," "MCMP-Wuppertal-Hannover Workshop, Munich Center for Mathematical Philosophy, LMU, Munich, Germany, 2023 July.
– "Three types of Bell inequality," Physics meets Philosophy Workshop, Institute for Quantum Optics and Quantum Information, Austrian Academly of Sciences, Austria, 2023 June.
– "History and Philosophy of Science: Present and Prospects" Round table discussion, Institute of Philosophy, Budapest, 2023 June.
– "Contextuality in the natural and social sciences," Fióka seminar, Eötvös University, Budapest, Hungary, 2023 May.
– "Partneri viszonyok, elfogadás és befogadás egy német középiskolában" (Partnership, Acceptance and Inclusion in a German Secondary School), Együttműködő közoktatás, Civil Közoktatási Fórum, Budapest, 2023 January.
– "Mi az idő?" (What is Time?), Videokávészalon, Budapest, 2023 January.
– "Idő a fizikában," (Time in Physics), Time in the Sciences and in Philosophy, Institute of Philosophy, Research Centre for the Humanities, Budapest, Hungary, 2022 December.
– "A kvantumelmélet interpretációi," (Interpretations of quantum theory), Tudomány Napja, University of Pannonia, Veszprém, Hungary, 2022 November.
– "Idő és relativitás," (Time and relativity) Könyvtári keddek, József Attila Gimnázium, Budapest, 2022 November.
– "Is the quantum state real?," Physics meets philosophy, Institute of Philosophy, Research Centre for the Humanities, Budapest, 2022 September.
– "Contextuality in natural and social sciences," Milestone Interdisciplinary Reading Group, Budapest, 2022 August.
– "Between social and classical: contextuality in quantum theory," Parmenides Center for the Conceptual Foundations of Science, Pöcking, Germany, 2022 July.
– "Quantum mechanics without operational equivalence,"Work-in-Progress Seminar, Munich Center for Mathematical Philosophy, LMU, Munich, Germany, 2022 May.
– "Two concepts of noncontextuality in quantum mechanics," History and Philosophy of Physics Research Seminar, Lichtenberg Group, University of Bonn, Germany, 2022 April.
– "Quantum mechanics without operational equivalence," Research Seminar, University of Wuppertal, Germany, 2022 April.
– "Contextuality in the natural and social sciences," Institute seminar, Institute of Philosophy, Budapest, Hungary 2022 March.
– "Quantum mechanics without operational equivalence," Logic and Philosophy of Science Seminar, Eötvös University, Budapest, Hungary 2022 February.
– "A dynamical systems approach to causation," Philosophy of Science Seminar, Munich Center for Mathematical Philosophy, LMU, Munich, Germany, 2021 December.
– "Two concepts of noncontextuality in quantum mechanics," New Foundations for Physics, Center for Advanced Studies LMU, Munich, Germany, 2021 November.
– "Kvantum és kvantumszerű" (Quantum and quantum-like), book review of Thomas Filk: Quantum and quantum-like, introduction to quantum theory and its application in cognitive and social sciences, iASK-MTA conference, 2021 October.

– Comment on Daniel Kodaj's "Finite Conditional Frequentism," Institute of Philosophy Seminar, Research Centre for the Humanities, Budapest, 2020 December.
– "EPR's reality criterion," Logic and Philosophy of Science Seminar, Eötvös University, Budapest, 2020 September (with Márton Gömöri).
– "A valószínűség interpretációi" (Interpretations of probability), Physics meets philosophy, Institute of Philosophy, Research Centre for the Humanities, Budapest, 2020 September.
– "On the three types of Bell's inequalities," Quantum, Probability, Logic: The Work and Influence of Itamar Pitowsky, Sidney M. Edelstein Center, Hebrew University, Jerusalem, Israel, 2020 May (postponed due to pandemic)
– "Three nonconextual hidden variable theories of the Peres-Mermin square," Philosophy of Physics Seminar, Cohn Institute, Tel-Aviv University, Tel-Aviv, Israel, 2020 May (postponed due to pandemic).
– "A dynamical systems appoach to causation," Causation in Science Conference, Sidney M. Edelstein Center, Hebrew University, Jerusalem, Israel, 2020 May (with Péter Fazekas, Balázs Gyenis, and Gergely Kertész) (postponed due to pandemic).
– "Simultaneous versus measurement contextuality in quantum theory," Faculty of Philosophy, University of Barcelona, Spain, 2020 March.
– "Comment on Orly Shenker and Meir Hemmo's: The Physics of Implementing Logic: Landauer's Principle and the Multiple-Computations Theorem," Physicalism and Reduction workshop, Institute of Philosophy, Budapest, Hungary, 2019 December.
– "Contextuality and the Kochen-Specker theorem," Department of Philosophy, University of Bristol, UK, 2019 October. – "Contextuality and the Kochen-Specker theorem," Department of Philosophy, University of Bristol, UK, 2019 October.
– "Two concepts of noncontextuality," Sigma Club, London School of Economics, London, UK,, 2019 October.
– "Between social and classical: contextuality in quantum theory," Institute of Advanced Studies Kőszeg, 2019 October.
– "Noncontextuality in quantum mechanics," The Seventh Conference of the European Philosophy of Science Association, University of Geneva, Switzerland, 2019 September.
– "Two concepts of noncontextuality," Deparment of History and Philosophy of Science, National and Kapodistrian University of Athens, Greece, 2019 June.
– "Noncontextuality in physics and beyond," Department of Cognitive Science and Psychology, New Bulgarian University, Sofia, Bulgaria, 2019 June.
– "Bell's local causality in local physical theories," Relativistic Locality Conference, Munich Center for Mathematical Philosophy, Munich, Germany, 2019 May.
– "Two concepts of noncontextuality in quantum mechanics," Philosophy of Physics Seminar, Munich Center for Mathematical Philosophy, Munich, Germany, 2019 May.
– "Two concepts of noncontextuality in quantum mechanics," Theoretical Philosophy Forum, Department of Logic, Eötvös University Budapest, 2019 April.

Grants:
2017: Travel grant of the Italian Ministry of Foreign Affairs, Italy (1 week)
2011-2012: Fulbright Research Grant, USA (7 months)
2011-2012: Pittsburgh Fellowship, USA (8 months)
2008-2011: János Bolyai Research Fellowship (3 years, philosophy of science)
2003-2006: János Bolyai Research Fellowship (3 years, history of science)
1996-1997: Research Grant of the German Catholic Academic Foreigners Service (KAAD) (12 months)
1996: Research Grant of the German Research Foundation (DFG) (1 week)

Lecturing on:
– Philosophy and history of probability and causality, foundations of quantum mechanics and statisti-

cal mechanics, epistemology, modern metaphysics, philosophy of science, general history of philosophy. A full overview of my teaching is available from my website.

1. Eötvös Loránd University Budapest

Courses taught in the Master's in Logic and Theory of Science Programme at the Department of Logic (http://phil.elte.hu/logic/ma.html) for MA and PhD philosophy students between 2012-2017:

Entropy, Demon and the Direction of Time: Introduction to the Thermal Philosophy
Quantum Theory and Local Causality
Philosophical Foundations of Quantum Theory
Reading seminar in the Philosophy of Spacetime
Physics and Chance, Philosophical Foundations of Statistical Physics
Reading seminar in the Philosophy of Statistical Physics
Philosophy of Quantum Mechanics
Metaphysics of Probability

2. King Sigismund College

Courses taught for liberal arts students at BA level between 2005-2012:

Disciplines of Philosophy
Introduction to Logic
Philosophy of Science
Reading Philosophy
Analytic Philosophy

3. Budapest University of Technology and Economics

Courses taught for engineer students at BA(BSc) and MA(MSc) level between 2000-2005:

Theory of Science

II Publications

Books:

1. Hofer-Szabó, G., P. Vecsernyés, *Quantum Theory and Local Causality*, Dordrecht: Springer Brief (2018).
2. Hofer-Szabó, G., M. Rédei, L. E. Szabó, *The Principle of the Common Cause*, Cambridge: Cambridge University Press (2013).
3. Hofer-Szabó, G., *A valószínűség interpretációi* (Interpretations of Probability), Typotex, Budapest, (2013).

Edited volume:

Hofer-Szabó, G., L. Wronski (eds.) *Making it Formally Explicit – Probability, Causality and Indeterminism*, European Studies in the Philosophy of Science Series, Springer Verlag (2017).

Peer-reviewed papers:

(2024c). Hofer-Szabó G., "Quantum mechanics without operational equivalence," European Journal for Philosophy of Science, (submitted).

(2024b). Hofer-Szabó G., "PBR, nonreality and entangled measurement," Foundations of Physics, 54, 36.

(2024a). Hofer-Szabó G., "Sequential measurements and the Kochen-Specker arguments," Journal for General Philosophy, 55, 29-42.

(2022). Hofer-Szabó G., "Two concepts of noncontextuality in quantum mechanics," Studies in History and Philosophy of Science, 93, 21-29.

(2021e). M. Gömöri, G. Hofer-Szabó, "On the meaning of EPR's reality criterion," Synthese, 199, 13441–13469.

(2021d). Hofer-Szabó G. "Causal contextuality and contextuality-by-default are different concepts," Journal of Mathematical Phychology, 104, 102590.

(2021c). Hofer-Szabó G., "Three noncontextual hidden variable models for the Peres-Mermin square," European Journal for the Philosophy of Science, 11, 30.

(2021b). P. Fazekas, B. Gyenis, G. Hofer-Szabó, G. Kertész, "A dynamical systems approach to causation," Synthese, 198, 6065-6087.

(2021a). Hofer-Szabó G., "Commutativity, comeasurability, and contextuality in the Kochen-Specker arguments," Philosophy of Science, 88, 483-510.

(2020b). Hofer-Szabó G., Placek T., Luc J., "Modality in Physics," Foundations of Physics, 50, 515-521.

(2020a). Hofer-Szabó G., "On the three types of Bell's inequality," in Orly Shenker, Meir Hemmo (eds.) Quantum, Probability, Logic: The Work and Infuence of Itamar Pitowsky, Berlin: Springer, 353-374.

(2019). Hofer-Szabó G., "Quantum mechanics as a representation of classical conditional probabilities," Journal of Mathematical Physics, 60, 062106.

(2018). Hofer-Szabó G., "Bell's local causality is a d-separation criterion," in Ozawa, M., Butterfield, J., Halvorson, H., Rédei, M., Kitajima, Y., Buscemi, F. (eds.) *Reality and Measurement in Algebraic Quantum Field theory*, Springer Proceedings in Mathematics and Statistics, 67-82.

(2017c). M. Gömöri, B. Gyenis, G. Hofer-Szabó, "On the coming about of macrostates," in G. Hofer-Szabó and L. Wroński (eds.) Making it Formally Explicit – Probability, Causality and Indeterminism, European Studies in the Philosophy of Science Series, Springer Verlag.

(2017b). Z. Gyenis, G. Hofer-Szabó, M. Rédei, "Conditioning using conditional expectation: the Borel-Kolmogorov paradox," Synthese 194(7), 2595-2630.

(2017a). Hofer-Szabó G., "How human and nature shake hands: the role of no-conspiracy in physical theories," Studies in History and Philosophy of Modern Physics, 57, 89-97.

(2016b). Hofer-Szabó G., "Three principles leading to the Bell inequalities," Belgrade Philosophical Annual, 57-66.

(2016a). Hofer-Szabó G., P. Vecsernyés, "A generalized definition of Bell's local causality," Synthese, 193(10), 3195–3207.

(2015d). Hofer-Szabó G., "Local causality and complete specification: a reply to Seevinck and Uffink," in U. Mäki, I. Votsis, S. Ruphy, G. Schurz (eds.), Recent Developments in the Philosophy of Science: EPSA13 Helsinki, Springer Verlag, 209-226.

(2015c). Hofer-Szabó G., "Relating Bell's local causality to the Causal Markov Condition," Foundations of Physics. 45(9), 1110-1136.

(2015b). Hofer-Szabó G., P. Vecsernyés, "On the concept of Bell's local causality in local classical and quantum theory," Journal of Mathematical Physics, 56, 032303.

(2015a). Hofer-Szabó G., "On the relation between the probabilistic characterization of the common cause and Bell's notion of local causality," Studies in History and Philosophy of Modern Physics, 49, 32-41.

(2014b). Hofer-Szabó G., "Noncommutative causality in algebraic quantum field theory," in M. C. Galavotti, D. Dieks, W. J. Gonzalez, S. Hartmann, Th. Uebel, M. Weber (eds.), The Philosophy of Science in a European Perspective, Vol. 5., 543-554.

(2014a). Hofer-Szabó G., "EPR correlations, Bell inequalities and common cause systems," in D. Aerts, S. Aerts and C. de Ronde (eds.), Probing the Meaning of Quantum Mechanics: Physical, Philosophical and Logical Perspectives, 263-277.

(2013b). Hofer-Szabó G., P. Vecsernyés, "Bell inequality and common causal explanation in algebraic quantum field theory," Studies in History and Philosophy of Modern Physics, 44, 404–416.

(2013a). Hofer-Szabó G., P. Vecsernyés, "Noncommutative Common Cause Principles in algebraic quantum field theory," Journal of Mathematical Physics, 54, 042301.

(2012c). Hofer-Szabó G., P. Vecsernyés, "Noncommutative local common causes for correlations violating the Clauser-Horne inequality," Journal of Mathematical Physics, 53, 122301.

(2012b). Hofer-Szabó G., P. Vecsernyés, "Reichenbach's common cause principle in algebraic quantum field theory with locally finite degrees of freedom," Foundations of Physics, 42, 241-255.

(2012a). Hofer-Szabó G., "Separate common causal explanation and the Bell inequalities," International Journal of Theoretical Physics, 51, 110-123.

(2011). Hofer-Szabó G., "Bell(δ) inequalities derived from separate common causal explanation of almost perfect EPR anticorrelations," Foundations of Physics, 41, 1398-1413.

(2008). Hofer-Szabó G., "Separate- versus common-common-cause-type derivations of the Bell inequalities," Synthese, 163/2, 199-215.

(2006c). Hofer-Szabó G., M. Rédei, I. San Pedro, "Challenging a recent minimal assumption derivation of a Bell-type inequality," (manuscript).

(2006b). Hofer-Szabó G., "Exchangeability and conditionally identical common cause systems," International Journal of Theoretical Physics, 45, 1308-1322.

(2006a). Hofer-Szabó G., M. Rédei, "Reichenbachian common cause systems of arbitrary finite size exist," Foundations of Physics, 35, 745-756.

(2004). Hofer-Szabó G., M. Rédei, "Reichenbachian common cause systems," International Journal of Theoretical Physics, 43, 1819-1826.

(2002). Hofer-Szabó G., M. Rédei, L. E. Szabó, "Common causes are not common common causes," Philosophy of Science, 69, 623-633.

(2000b). Hofer-Szabó G., M. Rédei, L. E. Szabó, "Reichenbach's common cause principle: recent results and open questions," Reports on Philosophy, 20, 85-109.

(2000a). Hofer-Szabó G., M. Rédei, L. E. Szabó, "Common cause completability of classical and quantum probability spaces," International Journal of Theoretical Physics, 39, 913-919.

(1999). Hofer-Szabó G., M. Rédei, L. E. Szabó, "On Reichenbach's common cause principle and on Reichenbach's notion of common cause," The British Journal for the Philosophy of Science, 50, 377-399.

(1998). Hofer-Szabó G., "Reichenbach‘s common cause definition on Hilbert lattices," International Journal of Theoretical Physics, 37, 435-443.

(1997). Hofer-Szabó G., "The formal existence and uniqueness of the Reichenbachian common cause on Hilbert lattices," International Journal of Theoretical Physics, 36, 1973-1980.

(1996). Hofer-Szabó G., "Two non-Kolmogorovian generalizations of Reichenbach‘s common cause definition on Hilbert lattices," Periodica Politechnica, 40, 187-198.

Papers in Hungarian:

(2025). "Atomizmus," (szócikk), Magyar Filozófia Enciklopédia, (forthcoming).

(2025). "Kvantummechanika," (szócikk), Magyar Filozófia Enciklopédia, (forthcoming).

(2025). "Okság," (szócikk), Magyar Filozófia Enciklopédia, (forthcoming).

(2025). "Relativitáselmélet," (szócikk), Magyar Filozófia Enciklopédia, (forthcoming).

(2025). "Valószínűség," (szócikk), Magyar Filozófia Enciklopédia, (forthcoming).

(2024). "A kvantumelmélet modális interpretációja," (Modal Interpretation of Quantum Theory), Magyar Filozófiai Szemle, (submitted).

(2024). "Kvantumelmélet és interpretáció," (Quantum Theory and Interpretation), Magyar Filozófiai Szemle, (forthcoming).

(2023). "Az 'itt' metafizikája," (The metaphysics of 'here'), Pannonhalmi Szemle, 31/1, 119-122.

(2023). "Mi a kvantumállapot?," (What is the quantum state?), Fizikai Szemle, 2023/1, 17-21.

(2022). "Kant keze és az abszolút tér," (Kant's hand and the absolute space), (submitted).

(2022). "A társadalomtudományok és természettudományok filozófiai alapjairól," (On the philosophical foundations of social and natural sciences), iASK Évkönyv, (forthcoming).

(2022). "Szociofizika," (Sociophyiscs), Vasi Szemle, (forthcoming).

(2021). P. Fazekas, B. Gyenis, G. Hofer-Szabó, G. Kertész, "Okság: egy dinamikus rendszereken alapuló magközelítés," (Causality: A dynamical systems approach) Magyar Filozófiai Szemle, 65, 26-45.

(2018). "A kvantumelmélet nehéz öröksége," (The difficult legacy of quantum theory), Különbség, 18/1, 81-87.

(2017). "Julian Barbour időtlen világa," (The timeless word of Julian Barbour), in Veress Károly (ed.) Emlékezet és felejtés. Interdiszciplináris párbeszéd 5., 11-24, Kolozsvár, Egyetemi Műhely Kiadó.

(2017). "Matematika, filozófia és megértés," (Mathematics, Philosophy, and Understanding) Műhely, 5-6, 86-88.

(2017). "A kvantummechanika és a huzat logikája," (Quantum mechanics and the logic of draught) Magyar Tudomány, 2017/1, 44-47.

(2014). "Játék és kvantumelmélet," (Game and quantum theory), in Veress Károly (ed.) Játék és tudomány. Interdiszciplináris párbeszéd 2., Kolozsvár, Egyetemi Műhely Kiadó, 9-13. (doc)

(2012). "Vis aleativa - a valószínűség propensity-interpretációja," (Vis aleativa - the propensity interpretation of probability) Magyar Filozófiai Szemle, 2012/1, 56, 95-117.

(2011). "Miért tarthatatlan a klasszikus valószínűség?" (Why classical probability is untenable?) Különbség, 11, 75-92.

(2010). "A valószínűség fogalmának kialakulása," (The development of the concept of probability) Mérleg, 2010/3-4, 114-136. (pdf)

(2010). "Lewis, valószínűség, Principal Principle" (Lewis, probability, Principal Principle) Világosság, 2010/nyár, 203-211.

(2010). "Korrelációk kauzális magyarázata" (Causal explanation of correlations) Magyar Filozófiai Szemle, 2010/3, 78-97. (together with: Balázs Gyenis, Zalán Gyenis, Miklós Rédei, László E. Szabó)

(2010). "A valószínűség interpretációi," (Interpretations of probability) Pannonhalmi Szemle, 18. 28-41.

(2010). "Valószínűség és relatív gyakoriság," (Probability and relative frequency) Magyar Tudomány, 2010/10, 1197-1207.

(2010). "Kolmogorov és a relatív gyakoriság," (Kolmogorov and the relative frequency) Magyar Fizikai Szemle, 60, 241-243.

(2006). "A reichenbachi közös ok elv metafizikája," (The metaphysics of Reichenbach's common cause principle) Világosság, 2006/5, 87-94. (pdf)

(2006). "Bohr és Einstein vitája a modern fizika valóságfogalmáról," (The Bohr-Einstein debate on the concept of reality in modern physics) A Természet világa (submitted).

(2003). "Német-magyar kapcsolatok a természettudományban és a technikában a második világháború után," (German-Hungarian connections in natural sciences during the Second World War) Technikatörténeti Szemle, 25, 262-264.

(2001). "A reichenbach közös ok eredete," (The origin of Reichenbach's common cause) Magyar Filozófiai Szemle, 45, 83-112.

(1999). "Idő és igazság a logikában," (Time and truth in logic) Világosság, 15/1, 66-69.

(1995). "Halott-e Schrödinger macskája?," (Is Schrödinger's cat dead?) Magyar Filozófiai Szemle, 39, 359-363.

Forthcoming, submitted, in preparation:

(2022c). Hofer-Szabó G., "Quantum mechanics without operational equivalence," (submitted).

(2022b). Hofer-Szabó G., "Sequential measurements and the Kochen-Specker arguments," (submitted).

(2022a). Hofer-Szabó G., "Two concepts of noncontextuality in quantum mechanics," (submitted).