

## List of selected publications of Mykola Polovyi:

Have more than 170 scientific publications in Ukraine, Poland, Czech Republic, Russia and Belarus including two monographs. The monographs and articles are:

### **1. Scientific books (monographs):**

1. Polovyi, M. A. 'Politychni procesy: teoriya ta praktyka modeljuvannja' [Political processes: theory and practice of simulation], Odesa: Feniks, 2011 (in Ukrainian)
2. Polovyi, M. A. 'Prognozirovanie smeny paradigm istoricheskogo poznaniya: poisk metoda' [Prognostication of paradigm shift of historical cognition: searching for a method], Odesa: Feniks, 2010 (in Russian)

### **2. Peer-reviewed papers at Journal, indexed in Scopus or Web of Science:**

3. Polovyi M. 'Threats of Wartime Restrictions to Post-War Democracy and Civil Society in Ukraine' *Civil Review. Special Issue IV. Changing the path. Crisis, society, and politics in the contemporary world*. Andrei Taranu, István Péter Németh, Eugen Gabor, Orsolya Falus, Zoltán Zakota (Eds.). 2023. PP. 159 - 166. (under indexation Web of Science and Scopus).
4. Polovyi M. 'Institutional mechanisms to ensure national security in the information space of the United States, the United Kingdom and the Russian Federation'. *Przegląd Strategiczny*. 2020, Issue 13, P. 265-279. DOI : 10.14746/ps.2020.1.16 (Co-authors: Sergii Bondarenko, Tetyana Nagornyak) (Scopus)
5. Polovyi M. 'Democratic preconditions for the development of contemporary terrorism'. In: *Politics and Knowledge: New Trends in Social Research*. Bologna, FILOdiritto. 2020. – P. 359-366. (Web of Science)
6. Polovyi M. 'Specifics of Decentralization Reform in Poland and Ukraine' *European journal of transformation studies*. 2020. Vol.8. Iss.2. P.245-256. (Co-authors: Okunovska Y., Hyzhko A., Prymush M.) (Web of Science)
7. Polovyi M. 'Long-term Demographic Factor of Political Unrest in Contemporary States'. In: *International Political Science Conference "Political and Economic Unrest in the Contemporary Era": Proceedings of 6th ACADEMOS Conference*, (Bucharest, Romania, 20-23 June 2019), ed. Andrei Taranu, Bologna, 2019, P. 196-203. (under indexation Web of Science).
8. Polovyi M. 'Modern Information Models of the National Interests' Protection Policy of the World Countries', *European journal of transformation studies*. 2018. Vol. 6, No. 2. pp. 44-54 (Co-authors: Sergii Bondarenko, Tetyana Nagornyak) (Web of Science)
9. Polovyi M. 'Modelling of Quantity of International Migrants' Growth in the Central and Eastern Europe by 2040', *Proceedings of the 5th ACADEMOS Conference 2018 "Development, Democracy and Society in the Contemporary World"* (Bucharest, Romania, 14-17 June 2018), Bologna, 2018. pp. 278-283. (Web of Science)
10. Polovyi, M. A. 'Simulation Modeling of Political Instability and Maydan of 2013/2014 in Ukraine', *European Journal of Transformation Studies*, 2014, vol. 2, suppl. 1. Available at: <<http://europeourhouse.weebly.com/2014-volume-2-suppl-1.html>> (Web of Science)
11. Polovyi M. 'Neo-militant Democracies in Post-communist Member States of the European Union, edited by Joanna Rak and Roman Bäcker, London and New York, Routledge Taylor & Francis Group, 2022, XI+ 255 pp.' *Democratization*. 2022. #3 (Book review) DOI: 10.1080/13510347.2022.2130261 (Scopus Q1)

### **3. Peer-reviewed scientific articles and book sections:**

*Journal articles (peer reviewed):*

12. Polovyi M. 'Exploitation of the Right to Freedom of Expression for Promoting Pro-Russian Propaganda in Hybrid War'. *Politeja*. 2021. Iss. 71. pp. 171-182

- <https://www.akademicka.pl/ojs/politeja/article/view/3715>  
<https://doi.org/10.12797/Politeja.18.2021.71.09>
13. Polovyi M. 'Kognitivnii pidhid v doslidgennjah nacionalizmu ta nacionalnoi identichnosti (na pricladi SRSR ta dergavi Israil)' [Cognitive approach in research of nationalism and national identity (cases of the USSR and the State Israel)]. *Political life*. 2021. №1. P. 97-102. DOI 10.31558/2519-2949.2021.1.12
  14. Polovyi M., Khevtsuriani A. 'The nature and varieties of separatism in the modern world'. *Actualni problem polityky [Topic problems of politics]*. 2021. Iss. 68. P. 114-119. <https://doi.org/10.32837/app.v0i68.1277>.
  15. Nagornyak T., Natalina N., Polovyi M. 'Politichna subjectnist v umovah formuvannya novogo svitoporyadku' [Political subjectivity in the conditions of the new world order] *Politolical visnik [Politological bulletin]*. 2021. Iss. 87. C. 218–240
  16. Polovyi M. 'Specifics of USSR era migrants' adaptation in the modern Russian Federation'. *Bibliotekarz Podlaski*. Tom 47 Nr 2. 2020. P. 203-216. <https://doi.org/10.36770/bp.478>
  17. Polovyi M., Svjatec Yu. 'Korotkiy narys istorii Ukrainskoi kliometrii' [Short review of the history of Ukrainian cliometrics]. *Ukraina moderna [Modern Ukraine]*. 2020. № 27. URL: <http://publications.lnu.edu.ua/journals/index.php/uamoderna/issue/view/66> (in Ukrainian)
  18. Polovyi M. 'Prospects for sustainable political stability of the Russian Federation in the third decade of the 21st century in the mirror of synergetic paradigm' *Politeja*. No. 5(62), 2019, pp. 103-115. <https://doi.org/10.12797/Politeja.16.2019.62.06>
  19. Polovyi M. "'Cifrovoi povorot" – novaja volna v serfinge istoricheskoi informatiki po tehnologicheskomu progressu' ["Digital turn" – the new wave at the surfing of historical informatics on the way of technological progress]. *Istoricheskaja informatika. [Historical informatics]*. 2019. № 3. C. 99 - 107. DOI: 10.7256/2585-7797.2019.3.30746 URL: [https://nbpublish.com/library\\_read\\_article.php?id=30746](https://nbpublish.com/library_read_article.php?id=30746) (in Russian)
  20. Polovyi M. 'A forecast of international migration flows into EU countries until 2050', *Przegląd Politologiczny*. 2018. Iss. 4. pp. 79-87. <https://doi.org/10.14746/pp.2018.23.4.6>
  21. Polovyi, M.A. 'Forecasting the dynamics of the potential of international migrations by 2050', *The Polish Migration Review*, 2017, #2, pp.72-84.
  22. Polovyi, M. A. 'Peculiarities of transitive changes during national liberation struggle of 1917-1921 in Ukraine', *Evropský politický a právní diskurz [European Political and Law Discourse]*, 2016, vol. 3, iss. 2 (Co-author: D. Gadgieva)
  23. Polovyi M.A. 'Moglivosti ta obmegenja imitaciynogo modeluvanja u vivchenni istoriographii teorii istorii' [Opportunities and limitations of simulation in the study of historiography of the theory of history], *Evropský filozofický a historický diskurz [European philosophical and historical discourse]*. – 2016. – Vol.2. – Iss.4. – pp.6-12 (in Ukrainian)
  24. Polovyi, M. A. 'Synergetic modification of J.Davies' model for simulation of "sudden" formation of protest activity', *Athenaeum*, 2015, vol. 48 (Co-author: D. Gadgieva)
  25. Polovyi, M. A. 'Neiromerezheve modeliuвання funktsionuvannya mizhnarodnykh rehionalnykh spilnot na prykladi EU' [Neuronet simulation of functioning of international regional associations on an example of EU], *Aktualni problemy polityky [Actual problems of politics]*, 2015, Iss. 54, pp. 212-221. (in Ukrainian).
  26. Polovyi, M. A. 'Problemy vrakhuvannya dii hromadianskoho suspilstva pid chas pobudovy prhnoziv zahroz stabilnosti politychnoho protsesu' [Problems of accounting of actions of civil society during the construction of prognoses of threats of stability of political process], *Politikus*, 2015, № 2, pp. 96–100. (in Ukrainian).
  27. Polovyi, M. A. 'Osnovnye cherty sinergeticheskoy komponenty vnutripoliticheskikh konfliktov v sovremennom globalizovannom mire' [Basic lines of synergetic components of home policy conflicts in the modern globalized world], *Politikus*, 2015, № 1, pp. 117–121. (in Russian).

28. Polovyi, M. A. 'Dzherela suchasnoho politychnoho teroryzmu v demokratychnykh rezhymakh' [Sources of modern political terrorism in democratic regimes], *Ukrainska nauka: mynule, suchasne, maibutnie [Ukrainian science: past, present, future]*, 2014, Iss. 19, ch. 1, pp. 319-327. (in Ukrainian).
29. Polovyi, M. A. 'Chynnyk hromadianskoho suspilstva v prohnozuvanni stabilnosti politychnoho protsesu' [A factor of civil society in prognostication of stability of political process], *Hileia: naukovyi visnyk [Hileya: scientific herald]*, 2014, Iss. 87. (in Ukrainian).
30. Polovyi, M. A. 'Synerhetychni vlastyvosti politychnoho protsesu doby natsionalno-vyzvolnykh zmahan 1917-1921 rr.' [Synergetical properties of political process of time of national liberation competitions 1917-1921], *Aktualni problemy polityky [Actual problems of politics]*, 2014, Iss. 51, pp. 418-428 (in Ukrainian).
31. Polovyi, M. A. 'Zastosuvannya metodiv matematychnoi statystyky dlia analizu funktsionuvannya rehionalnykh khlibnykh rynkiv v Rosiiskii imperii u druhii polovyni XVIII – na pochatku XX st.' [Application of methods of mathematical statistics for the analysis of functioning of regional grain markets in the Russian empire in the second half of the XVIII - at the beginning of the XX], *Naukovyi visnyk Mizhnarodnoho humanitarnoho universytetu. Serii: Istorii. Filosofii. Politolohiia [Scientific herald of the International Humanitarian University. Serie: History. Philosophy. Political science]*, 2014, Iss. 6, pp. 92-100. (in Ukrainian).
32. Polovyi, M. A. 'Pro hipotetychni zviazok mizh politychnym teroryzmom ta demokratiieiu' [About hypothetical connection between political terrorism and democracy], *Aktualni problemy polityky [Actual problems of politics]*, 2013, Iss. 50, pp. 171-181.(in Ukrainian).
33. Polovyi, M. A. 'Sinergeticheskij aspekt politicheskikh konfliktov v sovremennom mire' [Synergetic aspect of contemporary political conflicts], *Aktual'nye problemy social'noj i ehkonomicheskoy psikhologii: metodologija, teorija, praktika [Actual problems of social and economic psychology: methodology, theory, practice]*, Moskva: Ehkon-inform, 2013, pp. 89-97. (Co-author: Poleyva M.V.) (in Russian).
34. Polovyi, M. A. 'Bazy danykh yak zasib modeliuвання staniv demokratychnoho rozvytku' [Databases as mean of modelling of steges of democratic development], *Naukovyi visnyk Mizhnarodnoho humanitarnoho universytetu. Serii: Istorii. Filosofii. Politolohiia [Scientific herald of the International Humanitarian University. Serie: History. Philosophy. Political science]*, Odesa, 2012, Iss. 4, pp. 109-113. (in Ukrainian).
35. Polovyi, M. A. 'Metodychni problemy prohnozuvannya protsesiv demokratychnoho tranzytu' [Methodical problems of prognostication of processes of democratic transit], *Aktualni problemy polityky [Actual problems of politics]*, 2012, Iss. 47, pp. 57-66. (in Ukrainian).
36. Polovyi, M. A. 'Zmist synerhetychnoho parametra poriadku, yakyi vyznachaie politychnu dynamiku postradianskykh derzhav na shliakhu do demokratii' [Content of synergetic parameter of order, which determines the political dynamics of post-soviet states on a way to democracy], *Naukovi pratsi Natsionalnoho universytetu «Odeska yurydychna akademiia» [Academic papers of the National University "Odessa Academy of Law"]*, 2012, pp. 314-324. (in Ukrainian).
37. Polovyi, M. A. 'Perspektyvy zastosuvannya kompiuternoї kartohrafii v porivnialnykh doslidzhenniakh demokratii' [Prospects of application of computer cartography in comparative researches of democracies], *Aktualni problemy yevropeiskoi intehratsii [Actual problems of European integration]*, 2012, Iss. 9, pp. 21-26. (in Ukrainian).
38. Polovyi, M. A. 'Deiaki aspekty vykorystання shtuchnykh neironnykh merezh dlia modeliuвання politychnykh protsesiv' [Some aspects of use of artificial neuron networks for simulation of political processes], *Suchasna ukrainska polityka [Contemporary Ukrainian politics]*, 2012, Iss. 26, pp. 185-193. (in Ukrainian).
39. Polovyi, M. A. 'Demohrafichnyi parametr poriadku v synerhetychnykh modeliakh politychnoi dynamiky' [A demographic parameter of order in synergetic models of political dynamics], in

- Politolohichni ta sotsiologichni studii. T.XI: Teoriia ta istoriia politychnoi nauky: svitovy ta natsionalnyi dosvid [Studies in political science and sociology. Vol. XI. Theory and history of political science: national experience]*, Chernivtsi, 2012, pp. 135-146. (in Ukrainian).
40. Polovyi, M. A. 'Modyfikatsiia modeli Dzh. Devisa dlia imitatsii formuvannia protestnoi aktyvnosti pid chas vyborchoho protsesu' [Modification of model of J.Davies for imitation of forming of protest activity during an electoral process], *Slov'ianskyi visnyk. Seriiia «Istorychni ta politychni nauky» [Slavic herald. Serie "Historical and political sciences]*, 2012, Iss. 13, pp. 210-213. (in Ukrainian).
  41. Polovyi, M. A. 'Imitatsiino-synerhetychne modeliuвання formuvannia protestnoi aktyvnosti' [Imitation-synergetical design of forming of protest activity], *Aktualni problemy polityky [Actual problems of politics]*, 2012, Iss. 45, pp. 164-176.(in Ukrainian).
  42. Polovyi, M. A. 'Bazy ta banky danykh u modeliuванні politychnykh protsesiv' [Databases and banks of data in modelling of political processes], *Osvita rehionu [Education of the region]*, 2011, №3, pp. 23-27. (in Ukrainian).
  43. Polovyi, M. A. 'Neiromerezheva model vyborchoho protsesu' [Neuronet model of electoral process], *Politolohichni ta sotsiologichni studii [Studies in political science and sociology]*, Chernivtsi: Vydavnychi dim „Bukrek”, 2011, T. X, pp. 218-229. (in Ukrainian).
  44. Polovyi, M. A. 'Teoretychni aspekty zastosuvannia modelei v politychnii nautsi' [Theoretical aspects of application of models in political science], *Naukovyi visnyk ONEU [Scientific herald of the Odesa National Economic University]*, 2011, № 20(145), pp. 69-78. (in Ukrainian).
  45. Polovyi, M. A. 'Typolohiia pidkhodiv do modeliuвання politychnykh protsesiv' [Typology of approaches to the design of political processes], *Hileia: naukovyi visnyk [Hileya: scientific herald]*, 2011, Iss. 48, pp. 542-548. (in Ukrainian).
  46. Polovyi, M. A. 'Sutnist imitatsiinoho modeliuвання politychnykh protsesiv' [Essence of simulation of political processes], *Perspektyvy: naukovyi zhurnal [Perspective: scientific journal]*, 2011, № 2(48), pp. 142-146. (in Ukrainian).
  47. Polovyi, M. A. 'Deiaki teoretychni zasady modelnoho vyvchennia politychnykh protsesiv' [Some theoretical principles of model study of political processes], *Derzhava i parvo [State and law]*, 2011, Iss. 52, pp. 599-605.(in Ukrainian).
  48. Polovyi, M. A. 'K probleme agregirovaniia mikrofaktorov v teoreticheskoi modeli politicheskogo processa' [To the problem of aggregating of microfactors in theoretical model of political process], *Bulleten' Vladikavkazskogo instituta upravleniia [Bulletin of the Vladikavkaz Institute of Management]*, 2011, 35. Available at: <<http://viu-online.ru/rus/science/bulletine/42.html>> (in Russian).
  49. Polovyi, M. A. 'Politychne kartohrafuvannia yak metod modeliuвання politychnykh protsesiv' [Political mapping as method of modelling of political processes], *Visnyk Natsionalnoho tekhnichnoho universytetu Ukrainy «Kyivskiy politekhnichnyi instytut». Seriiia «Politolohiia. Sotsiologhiia. Pravo» [Herald of the National Technical University of Ukraine "Kyiv Polytechnic Institute". Serie "Political science. Sociology. Law"]*, 2011, Iss. 2(10), pp. 27-31.(in Ukrainian).
  50. Polovyi, M. A. 'Neliniina dynamika suchasnykh politychnykh protsesiv' [Nonlinear dynamics of modern political processes], *Visnyk Odeskoho natsionalnoho universytetu. Sotsiologhiia i politychni nauky [Herald of the Odesa National University. Sociology and political sciences]*, 2011, tom 16, Iss. 8, pp. 118-24. (in Ukrainian).
  51. Polovyi, M. A. 'Dosvid prostorovoho modeliuвання politychnykh protsesiv' [Experience of spatial modelling of political processes], *Naukovi pratsi: naukovo-metodychnyi zhurnal [Scientific papers: journal of researches and methods]*, 2011, Iss. 150, tom. 162. 'Politolohiia', pp. 113-116. (in Ukrainian).

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53. Polovyi, M. A. 'Metodolohichni aspekty pobudovy modelei politychnykh protsesiv' [Methodological aspects of construction of models of political processes], *Naukovyi visnyk Mizhnarodnoho humanitarnoho universytetu. Serii: Istorii. Filosofii. Politolohii [Scientific herald of the International Humanitarian University. Serie: History. Philosophy. Political science]*, 2011, № 2, pp. 83-88. (in Ukrainian).
54. Polovyi, M. A. 'Sutnist politychnoho protsesu z tochky zoru parametrychnoi zahalnoi teorii system' [Essence of political process from the point of view of self-reactance general theory of systems], *Aktualni problemy polityky [Actual problems of politics]*, 2011, Iss. 41, pp. 27-38. (in Ukrainian).
55. Polovyi, M. A. 'Komp'iuterne kartohrafuvannia u vyvchenni politychnykh protsesiv' [Computer mapping in the study of political processes], *Aktualni problemy polityky [Actual problems of politics]*, 2011, Iss. 42, pp. 43-57. (in Ukrainian).
56. Polovyi, M. A. 'Systemno-synerhetychna eksplanatsiia bifurkatsii politychnoho protsesu v krainakh Pivnichnoi Afryky ta Blyzkooho Skhodu na pochatku 2011 roku' [System-synergetical explanation of bifurcations of political process in the countries of the North Africa and the Middle East at the beginning of 2011], *Aktualni problemy polityky [Actual problems of politics]*, 2011, Iss. 43, pp. 16-27. (in Ukrainian).
57. Polovyi, M. A. 'Sutnist synerhetychnoho traktuvannia politychnoho protsesu' [Essence of synergetic interpretation of political process], *Politolohichni visnyk [Herald of political science]*, 2011, № 53, pp. 99-106. (in Ukrainian).
58. Polovyi, M. A. 'Metodolohichni aspekty modeliuвання politychnykh protsesiv' [Methodological aspects of modelling of political processes], *Slov'ianskyi visnyk. Serii «Istorychni ta politychni nauky» [Slavic herald. Serie "Historical and political sciences]*, 2011, Iss. 12, pp. 240-243. (in Ukrainian).
59. Polovyi, M. A. 'Zahalnosystemni prohnostychni parametry politychnoho protsesu' [General system prognosis parameters of political process], *Hileia: naukovi visnik [Hileya: scientific herald]*, 2011, Iss. 47, pp. 504-510. (in Ukrainian).
60. Polovyi, M. A. 'Perspektyvy neliniinoho modeliuвання u vyvchenni protsesiv politychnoi istorii' [Prospects of nonlinear modelling in the study of processes of political history], *Visnyk Dnipropetrovskoho universytetu. Serii Istorii ta arkheolohii [Herald of the Dniepropetrovsk University. Serie of history and archeology]*, 2011, Iss. 19, pp. 212-218. (in Ukrainian).
61. Polovyi, M. A. 'Systemni kharakterystyky politychnoho protsesu' [System descriptions of political process], *Aktualni problemy polityky [Actual problems of politics]*, 2010, Iss. 40, pp. 593-601. (in Ukrainian).
62. Polovyi, M. A. 'Osoblyvosti istorychnoho pidkhodu ta metodu v humanitarnykh naukakh' [Features of historical approach and method in humanitarian sciences], *Aktualni problemy polityky [Actual problems of politics]*, 2010, Iss. 39, pp. 106-115. (in Ukrainian).
63. Polovyi, M. A. 'Opyt informatizacii tecushego kontrolja znan v masshtaby VUZa' [Experience of informatization of current control of knowledge in the scale of Institute], *Metodychnyi visnyk istorychnoho fakultetu KhNU [Methodical herald of the faculty of history of Kharkiv National University]*, 2010, № 8, pp. 73-76. (in Russian).
64. Polovyi, M. A. 'Nejrosetevoie imitacionnoe modelirovanie razvitija teoreticheskoi istoriografii' [Neuronet simulation of development of theoretical historiography], *Bulleten' Vladikavkazskogo instituta upravlenija [Bulletin of the Vladikavkaz Institute of Management]*, 2009, no. 1, pp. 126-137. Available at: <<http://viu-online.ru/rus/science/bulletine/32.html>> (in Russian).

65. Polovyi, M. A. 'Vklad aksiologicheskogo "fona" v izmenenie paradigmy nauchnogo poznaniya' [Contribution of axiological "background" to the change of paradigms of scientific cognition], *Aktualni problemy polityky [Actual problems of politics]*, 2008, Iss. 34, pp. 90-96. (in Russian).
66. Polovyi, M. A. 'Nekotorye problemy metodiki imitacionnogo modelirovaniya razvitija istoriografii' [Some problems of methods of simulation of development of historiography], *Informacionnyj bjulleten' asociacii "Istorija i komp'juter" [Information bulletin of the Association "History and Computer"]*, 2008, № 35, pp. 22-23. (in Russian).
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68. Polovyi, M. A. Ponjatijnaja struktura predstavlenij V.O. Ključevskogo o vseмирno-istoricheskom processe [Concept structure of ideas of V.O. Ključevsky about a world-historic process], *Aktualni problemy polityky [Actual problems of politics]*, 2007, Iss. 30, pp. 580-588. (in Russian).
69. Polovyi, M. A. 'Holovni rysy neiromerezhevoi modeli politychnoi systemy' [Main lines of neuronet model of political system], *Aktualni problemy polityky [Actual problems of politics]*, 2007, Iss. 31, pp. 106-114. (in Ukrainian).
70. Polovyi, M. A. 'Dosvid formuvannia poniattivei struktury neiromerezhevoi modeli rozvytku istoryko-teoretychnoho piznannia' [Experience of forming of concept structure of neuronet model of development of historical-theoretical cognition], *Naukovi zapysky mizhnarodnoho humanitarnoho universytetu [Academic papers of the International Humanitarian University]*, 2006, Iss. 4, pp. 78-88. (in Ukrainian).
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72. Polovyi, M. A. 'Veryfikatsiia ta utocnennia metodyky formuvannia poniatiinoi struktury neiromerezhevoi modeli rozvytku teorii istorii' [Verification and clarification of methods of forming of concept structure of neuronet model of development of theory of history], *Aktualni problemy polityky [Actual problems of politics]*, 2006, Iss. 28, pp. 507-512. (in Ukrainian).
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#### **5. Audiovisual material, IT software**

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