

**Guidelines for authors  
of scientific articles submitted to the scientific journal  
Neuro-Fuzzy Modeling Techniques in Economics**

Papers must contain significant scientific results, which can be either conceptual (contribute to the development of the theory and methodology of neural networks or fuzzy logic), or empirical (contain the solution of a specific applied problem with the construction of mathematical models, software implementation and experimental research of their effectiveness).

The article should be presented in high quality scientific/technical English and saved in docx format.

The article must contain the following necessary elements (please take an example of the design from any article of the latest issues of the journal):

**Title of the paper.**

The title should be concise, correspond to content of the paper and the profile of the journal.

**Information about the author:**

- Name and surname.
- Current affiliation of the author.
- Full affiliation address with zip code and country name.
- ORCID and E-mail.

All participants who have made a substantive contribution to the article should be listed as authors with the full above information for each. The limitation is a maximum of four authors.

**The abstract** should be concise, informative, reflect the content of the paper and contain the following aspects: subject, purpose, research methods, main results, degree of scientific novelty, conclusion. The volume of the abstract should be from 100 to 250 words.

**Keywords** (at least 5, maximum 10 words or phrases) should correspond to the problem of your research and the obtained results. Avoid duplicating words used in your title.

**JEL Classification.**

Specify from 1 to 5 codes from the list <https://www.aeaweb.org/econlit/jelCodes.php?view=jel>.

**The main body of the paper.**

The material should be well-structured, presented in a logical sequence, and scientifically. The article must include:

- The statement of the problem and justification of its relevance.
- Analysis of scientific references on the research topic.

It is desirable to have a detailed analysis of at least two dozen publications (preferably more) on the research topic. Moreover, the main emphasis in the analysis should be made on the papers of recent years in the leading English-language periodicals. References to publications in other languages should be minimal (preferably completely eliminated).

Reference to any own previous publications is permitted when necessary (for example, to show that this study is continuation of them). The number of self-citation cannot exceed 15% of the total number of references.

Each number of the References should be enclosed in square brackets when referring to a source in the text, e.g. [1], etc. Each source of reference list must be mentioned in the paper. All citations in the text or mention of the results obtained by other authors, as well as data set sources, must be accompanied by an appropriate reference.

If the authors of scientific works are mentioned in the text, it is necessary to maintain one style: either put the initial before the surname, or add a comma before the initial after the surname, or no initial at all (only one of these options throughout the article). If the referred article has two authors, it is advisable to indicate them with an "and". If there is a larger number of authors, it is appropriate to indicate the last name of the first author, followed by "et al."

- Identification of previously unresolved issues of the general problem to which the paper is devoted, the formulation of the purpose and tasks of the study.

- Laying out the main material of the study with a full substantiation of the obtained scientific results. It is desirable to have experimental calculations that demonstrate the effectiveness of the proposed research methods and approaches (if possible, in comparison with alternatives) for empirical articles. Formulas must be typed in the built-in MS Word equation editor (do not insert MS Equation, MathType objects or as a picture). Variables both in the text and in figures and tables should be italicized, vectors – in capital letters not in italics, arrays – not in italics and in bold.
- Conclusions that fully and accurately describe the research results, scientific novelty, practical importance and recommendations for future research.
- References. Publications are listed in the order of their mention in the text of the article or alphabetically. APA style is used for formatting: <https://apastyle.apa.org/style-grammar-guidelines/references/examples>.

Please pay attention to all the details when compiling a list of references in accordance with the APA style – the location of bibliographic elements, the placement of commas, dots, brackets, italics, etc.

Each source, if possible, should be accompanied by a valid link (its activity should be checked) – preferably on <https://doi.org/>.

Detailed rules and various examples of the design of bibliographic references are given at the [link](#) above, but below you can see some examples of the most commonly used types of references.

1. [Article in a periodical](#) (indicating (1.1) pages and (1.2) article number):

1.1. Zadeh, L. A. (1965). Fuzzy sets. *Information and Control*, 8(3), 338–353. [https://doi.org/10.1016/S0019-9958\(65\)90241-X](https://doi.org/10.1016/S0019-9958(65)90241-X)

1.2. Sanchez-Roger, M., Oliver-Alfonso, M. D., & Sanchis-Pedregosa, C. (2019). Fuzzy Logic and Its Uses in Finance: A Systematic Review Exploring Its Potential to Deal with Banking Crises. *Mathematics*, 7(11), Article 1091. <https://doi.org/10.3390/math7111091>

2. Book.

Hyndman, R.J., & Athanasopoulos, G. (2018). *Forecasting: principles and practice* (2nd ed.). OTexts. <https://otexts.org/fpp2/>

3. Chapter in an edited book.

Marhon, S.A., Cameron, C.J.F., & Kremer, S.C. (2013). Recurrent Neural Networks. In M. Bianchini, M. Maggini, & L. Jain (Eds.), *Intelligent Systems Reference Library: Vol. 49. Handbook on Neural Information Processing* (pp. 29-65). Springer. [https://doi.org/10.1007/978-3-642-36657-4\\_2](https://doi.org/10.1007/978-3-642-36657-4_2)

4. Conference proceedings (published (4.1) in a journal, (4.2) as a book chapter, and (4.3) as a thesis of proceedings).

4.1. Bielinskyi, A., Soloviev, V., Semerikov, S., & Solovieva, V. (2019). Detecting stock crashes using Levy distribution. *CEUR Workshop Proceedings, 2422*, 420-433. <http://ceur-ws.org/Vol-2422/paper34.pdf>

4.2. Kobets, V., Yatsenko, V., & Voynarenko, M. (2020). Cluster Analysis of Countries Inequality Due to IT Development Through Macros Application. In V. Ermolayev, F. Mallet, V. Yakovyna, H. Mayr, & A. Spivakovsky (Eds.), *Communications in Computer and Information Science: Vol. 1175. Information and Communication Technologies in Education, Research, and Industrial Applications* (pp. 415–439). Springer. [https://doi.org/10.1007/978-3-030-39459-2\\_19](https://doi.org/10.1007/978-3-030-39459-2_19)

4.3. Wysocki, A., & Ławryńczuk, M. (2015). Jordan neural network for modelling and predictive control of dynamic systems. In *Proceedings of 2015 20th International Conference on Methods and Models in Automation and Robotics* (pp. 145-150). IEEE. <https://doi.org/10.1109/MMAR.2015.7283862>

5. Dissertation.

Birch, J. L. (2015). *Modelling Financial Markets using Methods from Network Theory* [Doctoral dissertation, University of Liverpool]. The University of Liverpool Repository. [https://livrepository.liverpool.ac.uk/2028739/1/BirchJen\\_Aug2015\\_2028739.pdf](https://livrepository.liverpool.ac.uk/2028739/1/BirchJen_Aug2015_2028739.pdf)

6. Webpage ((6.1) legal acts, (6.2) reports, (6.3) website, and (6.4) ArXiv and preprint references).

6.1. Verkhovna Rada. (2001). *Pro zakhyst ekonomichnoi konkurentsii [On protection of economic competition]* (Law of Ukraine 2210-III). Retrieved July 1, 2020, from <https://zakon.rada.gov.ua/laws/show/2210-14> [in Ukrainian]

6.2. Claessens, S., & Kose, M.A. (2013). *Financial Crises: Explanations, Types, and Implications* (Working Paper 13/28). International Monetary Fund. <https://www.imf.org/external/pubs/ft/wp/2013/wp1328.pdf>

6.3. Eurostat. (2017, October 17). *EU trade in food*. <https://ec.europa.eu/eurostat/web/products-eurostat-news/-/edn-20171016-1>

6.4. Dai, Z., Liu, H., Le, Q.V., & Tan, M. (2021). *CoAtNet: Marrying Convolution and Attention for All Data Sizes*. ArXiv. <https://doi.org/10.48550/arXiv.2106.04803>

## 7. [Wikipedia](#).

List of stock market crashes and bear markets. (2020, August 1). In *Wikipedia*. [https://en.wikipedia.org/w/index.php?title=List\\_of\\_stock\\_market\\_crashes\\_and\\_bear\\_markets](https://en.wikipedia.org/w/index.php?title=List_of_stock_market_crashes_and_bear_markets)

## 8. [Data set](#).

FAOSTAT. (2020). *Suite of Food Security Indicators* [Data set]. Retrieved July 1, 2020, from <http://www.fao.org/faostat/en/#data/FS>

If the publication is prepared in a language using the Cyrillic alphabet, then its title must be transliterated in Latin letters, after which its translation into English is given in square brackets. The titles of periodicals are presented in transliteration, and in brackets – in English. For such sources, the original language must be indicated at the end of the bibliographic description, e.g. [in Ukrainian], etc.

Strelchenko, I. (2019). Modeliuvannia protsesiv transhranychnoho poshyrennia finansovykh kryz [Modeling of cross-border spreading of financial crises]. *Neiro-Nechitki Tekhnolohii Modelyuvannya v Ekonomitsi (Neuro-Fuzzy Modeling Techniques in Economics)*, 8, 147-175. <https://doi.org/10.33111/nfmte.2019.147> [in Ukrainian]

Koliada, Y. (2019). *Adaptyvna paradyhma modeliuvannia ekonomichnoi dynamiky [Adaptive paradigm of economic dynamics modeling]*. KNEU. <https://ir.kneu.edu.ua:443/handle/2010/33960> [in Ukrainian]