

RAMIZ ALIGULIYEV

Corresponding member of ANAS, doctor of technical sciences

Director, Institute of Cybersecurity and Artificial Intelligence,
Azerbaijan Technical University

Tel.: (+994 70) 361 95 97 (Mobile)

(+994 12) 510 43 99 (Office)

E-mail: ramiz.aliquliyev@aztu.edu.az

Address: Huseyn Javid Avenue 25, AZ1073, Baku, Azerbaijan



ACADEMIC QUALIFICATIONS

- **BSc/MSc:** Applied Mathematics, Azerbaijan State University (now Baku State University), Baku, Azerbaijan, 1983.
- **PhD:** Mathematics (Differential Equation), Institute of Mathematics and Mechanics of Azerbaijan National Academy of Sciences (ANAS), Baku, Azerbaijan, 2002.
- **DSc:** Information Technology (System Analysis, Control and Information Processing), Institute of Cybernetics (now Institute of Control Systems) of ANAS, Baku, Azerbaijan, 2010.

RECOGNITION/AWARDS

- In **2020-2023** Ramiz Aliguliyev has been recognized among the world's top **2% scientists** in the field of **artificial intelligence** identified by **Stanford University**.
- In **2017** he was elected corresponding member of ANAS in Informatics.
- In **2014** he was awarded with "**Taraggi**" medal by the order of the President of the Republic of Azerbaijan.
- In **2013** under the framework of the "ICT year" in the "3rd ICT Contest Competition" held by the Science Development Foundation under the President of the Republic of Azerbaijan jointly with the Ministry of Communications and Information Technologies, his article was awarded the **1st** place for the best scientific work published in ICT field.

PROFESSIONAL QUALIFICATIONS

- From **1983** to **1987** he worked as an engineer at the Institute of Cybernetics (now Institute of Control Systems) of Azerbaijan Academy of Sciences (AAS), Baku, Azerbaijan.
- From **1988** to **2002** he worked as a leading engineer and a researcher at the Institute of Mathematics and Mechanics of AAS, Baku, Azerbaijan.

- Since **2003** he is a head of department at the Institute of Information Technology of ANAS, Baku, Azerbaijan.
- Since **2023** he is a director of the Institute of Cybersecurity and Artificial Intelligence at Azerbaijan Technical University, Baku, Azerbaijan
- He has supervised **3** PhDs and **5** Masters, currently supervising **8** PhD students.

RESEARCH INTERESTS

- Data Mining
- Big Data Analytics
- Text Summarization
- Artificial Intelligence
- Social Network Analysis
- E-government Analysis
- Scientometrics
- Evolutionary and Swarm Intelligence Algorithms

EDITORIAL, REVIEW and EXPERTISE ACTIVITY

- **Editorial Board Member of the journals:**
 - ✓ Problems of Information Technology
 - ✓ CAAI Transactions on Intelligence Technology
 - ✓ TWMS Journal of Pure and Applied Mathematics
 - ✓ International Journal of Decision Support System Technology
 - ✓ Problems of Information Society
 - ✓ Informatics and Control Problems
 - ✓ International Journal of Sensors, Wireless Communications and Control
 - ✓ Turkish Journal of Mathematics & Computer Science
 - ✓ Communications
 - ✓ Artificial Intelligence Evolution
 - ✓ Ukrainian Journal of Information Systems and Data Science
- He is a reviewer a lot of journals and conferences.
- He has been a member of the program/organizing committees of more than 30 international and local conferences.
- He is a member of the dissertation council at the Institute of Information Technology.
- He is a member of the Problem Council on Physical, Mathematical and Technical Sciences of the Scientific Research Coordination Council of the Republic of Azerbaijan.

ACADEMIC NETWORKING

- **Google Scholar:**

https://scholar.google.com/citations?hl=en&user=cV0HqdgAAAAJ&view_op=list_works&sortby=pubdate

- **Scopus:**

<https://www.scopus.com/authid/detail.uri?authorId=35561067300>

- **ORCID:**

<https://orcid.org/0000-0001-9795-1694>

- **Web of Science (ResearcherID: A-1072-2013):**

<https://www.webofscience.com/wos/author/record/1189983>

- **ResearchGate:**

<https://www.researchgate.net/profile/Ramiz-Aliguliyev>

SELECTED PUBLICATIONS

- R.Alguliyev, R.Aliguliyev, & L.Sukhostat, "Radon transform based malware classification in cyber-physical system using deep learning", **Results in Control and Optimization**, vol.14, 100382, 2024. <https://doi.org/10.1016/j.rico.2024.100382> (Web of Science)
- A.Bagirov, R.Aliguliyev, & N.Sultanova, "Finding compact and well-separated clusters: Clustering using silhouette coefficients", **Pattern Recognition**, vol.135, 109144, 2023. <https://doi.org/10.1016/j.patcog.2022.109144> (Web of Science)
- R.Alguliyev, R.Aliguliyev, & R.Alakbarov, "Constrained k-means algorithm for resource allocation in mobile cloudlets", **Kybernetika**, vol.59, no.1, pp.88-109, 2023. <https://doi.org/10.1016/10.14736/kyb-2023-1-0088> (Web of Science)
- R.Alguliyev, R.Aliguliyev, Y.Imamverdiyev, & L.Sukhostat, "History matching of petroleum reservoirs using deep neural networks", **Intelligent Systems with Applications**, vol.16, 200128, 2022. <https://doi.org/10.1016/j.iswa.2022.200128> (Web of Science)
- R.Aliguliyev & N.Adigozalova, "h-type indices for multiple authorship papers based on "relative first author" principle", **COLLNET Journal of Scientometrics and Information Management**, vol.16, no.2, pp.305-330, 2022. <https://doi.org/10.1080/09737766.2022.2098875> (Web of Science)
- R.Alguliyev, R.Aliguliyev, & L.Sukhostat, "Parallel batch k-means for Big data clustering", **Computers & Industrial Engineering**, vol.152, 107023, 2021. <https://doi.org/10.1016/j.cie.2020.107023> (Web of Science)
- R.Alguliyev, Y.Imamverdiyev, R.Mahmudov, & R.Aliguliyev, "Information security as a national security component", **Information Security Journal**, vol.30, no.1, pp.1-18, 2021. <https://doi.org/10.1016/10.1080/19393555.2020.1795323> (Web of Science)
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- R.Algulyev, R.Aligulyev, & F Yusifov, "Modified fuzzy TOPSIS+TFNs ranking model for candidate selection using the qualifying criteria", **Soft Computing**, vol.24, no.1, pp.681-695, 2020. <https://doi.org/10.1007/s00500-019-04521-2> (Web of Science)
- R.Algulyev, R.Aligulyev, & F.Abdullayeva, "Multidisciplinary study of the problems of big data technologies in the oil and gas industry", **International Journal of Oil Gas and Coal Technology**, vol.23, no.1, pp.92-105, 2020. <https://doi.org/10.1504/IJOGCT.2020.104975> (Web of Science)
- R.Algulyev, R.Aligulyev, & F.Abdullayeva, "Privacy-preserving deep learning algorithm for big personal data analysis", **Journal of Industrial Information Integration**, vol.15, pp.1-14, 2019. <https://doi.org/10.1016/j.jii.2019.07.002> (Web of Science)
- R.Algulyev, R.Aligulyev, N.Isazade, A.Abdi, & N.Idris, "COSUM: text summarization based on clustering and optimization", **Expert Systems**, vol.36, no.1, e12340, 2019. <https://doi.org/10.1111/exsy.12340> (Web of Science)
- R.Algulyev, R.Aligulyev, & G.Niftaliyeva, "A method for social network extraction from e-government", **International Journal of Information Systems in the Service Sector**, vol.11, no.3, pp.37-55, 2019. <https://doi.org/10.4018/IJISS.2019070103> (Web of Science)
- R.Algulyev, R.Aligulyev, & F.Abdullayeva, "The Improved LSTM and CNN models for DDoS attacks prediction in social media", **International Journal of Cyber Warfare and Terrorism**, vol.9, no.1, pp.1-18, 2019. <https://doi.org/10.4018/IJCWT.2019010101> (Web of Science)
- R.Algulyev, R.Aligulyev, & F.Yusifov, "MCDM for candidate selection in e-voting", **International Journal of Public Administration in the Digital Age**, vol.6, no.2, pp.35-48, 2019. <https://doi.org/10.4018/IJPADA.2019040103> (Web of Science)
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- A.Abdi, N.Idris, R.Alguliev, & R.Aligulyev, "Bibliometric Analysis of IP&M Journal (1980-2015)", **Journal of Scientometric Research**, vol.7, no.1, pp.54-62, 2018. <https://doi.org/10.5530/jscires.7.1.8> (Web of Science)
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- A.Abdi, S.Shamsuddin, N.Idris, R.Algulyev, & R.Aligulyev, "A linguistic treatment for automatic external plagiarism detection", **Knowledge-Based Systems**, vol.135, pp.135-146, 2017. <https://doi.org/10.1016/j.knosys.2017.08.008> (Web of Science)

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- R.Alguliev, R.Aliguliyev, & M.Hajirahimova, "GenDocSum+MCLR: Generic document summarization based on maximum coverage and less redundancy", **Expert Systems with Applications**, vol.39, no.16, pp.12460-12473, 2012. <https://doi.org/10.1016/j.eswa.2012.04.067> (Web of Science)

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GRANTS

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and

- 5 grants supported by Science Fund of the State Oil Company of the Azerbaijan Republic.