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ARIF SALIMOV–70

On June 7, 2026, Arif Salimov turned 70 — a talented mathematician and a wonderful colleague, specialist in the differential geometry, Honored Scientist of Azerbaijan (2019), Doctor of Physical and Mathematical Sciences, Professor, Head of the Department of Algebra and Geometry at Baku State University. He is also the Chairman of the Expert Council on Mathematics and Mechanics of the Higher Attestation Commission under the President of the Republic of Azerbaijan. The anniversary celebration took place as part of the 21st International Symposium on Geometry, which was held from July 17 to 19, 2025, in Turkey.

He obtained a B.Sc. degree from Baku State University, Azerbaijan in 1978, a PhD and Doctor of Sciences degrees in geometry from Kazan State University, Russia in 1984 and 1998, respectively.

His primary areas of research are: theory of lifts in tensor bundles; geometrical applications of tensor operators; special Riemannian manifolds; indefinite metrics; general geometric structures on manifolds (almost complex, almost product, hypercomplex, Norden structures etc.), Ricci solitons. Arif Salimov is a world-renowned expert in differential geometry, particularly in the areas of tensor operators and lift theory. He realized that lifting the (1,1)-tensor field to the tensor bundle, unlike the lifting case in the tangent bundle, cannot be characterized solely in terms of Lie and covariant derivatives, and by including generalized derivatives associated with (1,1)-tensor fields, he found formulas for lifting the (1,1)-tensor field to the tensor bundle along the pure section. Another fundamental result obtained by Salimov concerns almost anti-Hermitian (Norden) structures. Using tensor operators, he proved that a pure neutral metric can be holomorphic with respect to an almost complex structure if and only if the metric is anti-Kähler.

Under his supervision, 17 graduate students defended their PhD dissertations in geometry (one of them is a Doctor of Sciences, and 5 are Professors). He presented reports at more than 50 international conferences, many of them as an invited speaker, underscoring the international prestige and authority he commands in differential geometry. He published more than 100 scientific articles, 74 of which are in the Web of Science.

His contributions have been widely recognized and extensively used within the international differential geometry community. The lasting impact of his work

is reflected in the more than 700 citations recorded in the Web of Science (H-index:16) and over 900 citations indexed by Scopus (H-index:17), attesting to the influence and continued relevance of Professor Salimov's results.

His monograph "Applications of Holomorphic Functions in Geometry" was published by Springer/Birkhäuser. The book invites readers to follow the author step by step through the geometric framework he reconstructs to connect holomorphic functions with differential geometric structures.

From 1995 to 2017, he worked at Atatürk University in Turkey. Four projects under his supervision received grants from the Turkish Scientific and Technological Research Council (TUBITAK). In 2015, Arif Salimov was awarded the State Prize "TUBITAK PPO-Project Performance Award", one of the most prestigious awards in the field of science in Turkey. Also in 2024, Arif Salimov was awarded the Turkish World Al-Khwarizmi Prize for his achievements in mathematics.

He is a member of the Steering Board of the Turkic World Mathematical Society and a member of the Editorial Boards of the "TWMS Journal of Pure and Applied Mathematics", "International Electronic Journal of Geometry" and "Proceedings of the Institute of Mathematics and Mechanics" indexed in the Web of Science.

Honesty in science — this is the fundamental principle of life of Professor Arif Salimov. We warmly congratulate Professor Arif Salimov on his birthday, acknowledging his distinguished academic career and his valuable scientific contributions, which are greatly admired and deeply appreciated, and wish him continued success in his scientific and organizational endeavors, as well as good health. We also wish to express our gratitude for his collaboration and for the many insightful ideas and scientific discussions he has shared within the academic community over the years.

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