

Balkan Web of Physics 2025

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We present an updated analysis of scientific productivity in physics across the Balkan countries, continuing and expanding earlier studies based on bibliometric data. The current study is primarily based on data retrieved from the OpenAlex database, covering the period from 1996 to 2024, with an accent on last 20 years, from 2005 to 2024. To evaluate database consistency and coverage, OpenAlex results are compared with data from the Scimago database. Furthermore, preliminary data from the Web of Science will be presented.

For each country, we examine the total number of publications in physics and selected subfields (Astronomy, Condensed Matter, Nuclear Physics, and Particle Physics). We use normalization of the scientific productivity, using World Bank indicators, that enables a more accurate assessment of research intensity and national investment in science. We compare productivity and trends among the Balkan countries and more global worldwide trends, as well as trends in the selected subfields.

This analysis provides a broader context and helps identify long-term regional trends, disparities, and the relative position of the Balkan countries in global scientific activity.

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References:

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