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Global competitiveness as a barometer of scientific endeavor

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The competitiveness of a country can be quantified as a measure of the quality of its scientific outputs. Concerted efforts have been made globally by many scientists in a bid to elevate both quality and quantity of scientific outputs in the face of pervasive resource constraints. This article aims to provide a comparative analysis of scientific outputs in terms research publications and its interrelatedness to the number of Nobel laureates it produces. In keeping with these developments, a concomitant reflection of the key factors associated achievement level of scientific progress and technological development in selected counties has been the core thrust of this paper. These factors have been considered as critical parameters that underpin scientific progress and technological development.

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