

CONTRIMETRICS AND ALTMETRICS AS COMPLEMENTARY INDICATORS FOR ARTICLE IMPACT



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Abstract

Traditional measures of academic influence, such as the number of citations, have been supplemented in recent years by additional indices that capture broader social engagement and the influence of social media on the dissemination of research output. Alternative metrics, also known as Altmetrics, are increasingly reported to measure the reach and attention of scholarly work beyond traditional citations and reflect engagement on platforms such as social media and mass media coverage. Contrimetric, introduced by Kuo in 2023, is a metric that assesses the impact of individual research articles on the Journal Impact Factor (JIF) of the respective journal. It provides a deeper understanding of how an article contributes to its field. This innovative bibliometrics tool helps categorise articles to highlight important contributions. Contrimetrics provides an improved insight than traditional citation counts by considering the journal's overall citation performance and highlighting the influence of an article within the scientific community. Previous research has shown a moderate correlation between traditional bibliometric measures such as citation counts and altmetrics. This study aimed to investigate the relationship between the newly introduced contrimetric and existing altmetrics to assess articles impact.