
AI and Biodiversity: A 5 Whys approach

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Abstract

We highlight the state of the art on the impact of Artificial intelligence in Biodiversity using bibliometric analysis. We consider productivity change over time, providing directions for future studies in the field. A structured literature search of Scopus database reveals 72 english published articles between 2001 and 2023. We undertake a multifaceted bibliometric analysis covering performance analysis and scientific mapping tools to show the evolution of the literature in this research topic area. In doing so, we provide descriptive information about the most active journals and authors. We then conduct a qualitative in-depth analysis of the 72 articles to identify the research fronts of this field to relate them to the emerging issues of the on the topic. This paper could serve as guidance for researchers and practitioners in identifying directions to promote biodiversity conservation and sustainable use with the aide of AI. **Keywords:** Biodiversity, AI, Bibliometric analysis

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