

# **AI-Enabled Sustainable Finance: Integration, Opportunities and Challenges**

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**Abstract:** *This paper examines the convergence of Artificial Intelligence (AI) and Sustainable Finance, analysing how machine learning and data-driven technologies are reshaping environmental, social, and governance (ESG) investing, risk assessment, and capital allocation. It reviews recent literature, industry trends, and empirical developments in AI-driven sustainable finance tools, highlighting their impact on investment decision-making and challenges in transparency, regulation, and ethical implementation.*

**Keywords:** *ESG*

