

5th World Congress on **Climate Change and Ecosystem**

March 26-27, 2026 | Paris, France

Artificial intelligence applications in climate change monitoring**Kevin Brown**

University of Toronto, Canada

Artificial intelligence (AI) has emerged as a valuable tool for climate monitoring and environmental management. This study explores AI-based applications in predicting extreme weather events, analyzing climate data, and monitoring ecosystem changes. Using machine learning algorithms and satellite imagery, the research demonstrates improved accuracy in climate forecasting and disaster preparedness. The study concludes that AI technologies can enhance global

climate resilience and support evidence-based environmental decision-making.

Biography

Kevin Brown is a researcher in artificial intelligence and environmental analytics. His research explores the application of machine learning and remote sensing technologies in climate monitoring and disaster prediction systems.