

# Recycling and Waste Management

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## Recycling of end-of-life vehicles for improved sustainability performance

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Recycling provides a beneficial alternative to natural resource consumption in production processes from an environmental responsibility perspective. There is a lack of commitment from motor vehicle industrial practitioners to the recycling of end-of-life vehicles. Furthermore, reliance on natural resources in manufacturing new vehicles harms the economy, society and environment. The study examines the impact of recycling end-of-life vehicles on the cost of new vehicles; reduction in carbon-monoxide emissions level; the cost of fuel consumption per kilometre; and volume of motor vehicle waste disposed to landfills using the theory of planned behaviour. A positive attitude by consumers can have an encouraging impact on the recycling of end-of-life vehicles and the effectiveness of environmental policies. Additionally, an effective way of collecting, reuse and recycling of end-of-life vehicles is necessary to address the negative impact on the environment, society and economy. Moreover, recycling end-of-life vehicles will result in the economic, social and environmental benefits.

### Speaker Biography

Michael Bamidele Fakoya is a Professor of Accounting in the School of Accountancy at the University of Limpopo, South Africa, where he has been since 2009. From 2017 to date, he has been serving as the Head of Research, Africa Centre for Sustainability Accounting and Management (ACSAM), School of Accountancy, University of Limpopo, South Africa. He is the leader of the climate change and sustainability research niche area of the University of Limpopo. His research interests span both material flow cost accounting (MFCA) and environmental and sustainability management accounting. Much of his work is on improving the efficiency and performance of corporate processes. Professor Fakoya has published in leading international sustainability-related journals such as *Journal of Cleaner Production*; *Sustainability*; *Environment Development and Sustainability* and *Sustainable Production and Consumption* to mention a few. Many of his masters and doctoral students graduated in this area of research. He has attended many international conferences in the field of sustainability and responsible business.

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