

Current understanding and perspectives on anaerobic digestion in developing countries: Colombia case study

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The screenshot shows a web browser displaying a ScienceDirect article. The article title is "Current understanding and perspectives on anaerobic digestion in developing countries: Colombia case study". The journal is "Renewable and Sustainable Energy Reviews". The article includes a table of contents, highlights, abstract, and recommended articles. The highlights section lists key findings: 84% of Colombian AD publications are from the last three years; 79% of digesters are low-cost and run under psychrotrophic conditions; 40% of AD research focuses on substrates, co-digestion, and inoculum dynamics; there is a lack of regulation, support, and psychrotrophic AD research; and multidisciplinary networks drive the spread of research on low-cost digesters. The abstract states that Anaerobic digestion (AD) technology has become increasingly important due to its contribution to sustainability and a circular bioeconomy. While AD technologies are widespread in developing countries, developed countries have mainly driven research. The aim of this research is to analyze the biogas sector development from the point of view of a developing country like Colombia. AD research changes their laboratory