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## Sommario/riassunto

As the annual production of carbon Dioxide (CO<sub>2</sub>) reaches 30 billion tones, the growing issue of the greenhouse effect has triggered the development of technologies for CO<sub>2</sub> sequestration, storage and use as a reactant. Collecting together the reports of the Congress at University of Rome (Campus Bio-medico) held 16th April 2012, CO<sub>2</sub>: A Valuable Source of Carbon presents and discusses promising technologies for the industrial exploitation of CO<sub>2</sub>. Divided into two parts, the current technology is evaluated and summarized before European and national projects are presented. The focus on CO<sub>2</sub> recovery, particularly in value-added production, proposes applicable methods to develop sustainable practices and even to mitigate greenhouse gas emission from large-scale fossil fuels usage. Including current data and real-world examples, CO<sub>2</sub>: A valuable source of carbon provides students, engineers, researchers and industry professional with up-to-date material and potential areas for development and research.

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