

## This Book

Carbon dioxide has great importance as greenhouse gas in the atmosphere and as carbonic acid system in water. Since the CO<sub>2</sub> in the two spheres of air and water is connected by gas exchange, these spheres cannot be considered separately.

The basics of the systems are covered, the role as a greenhouse gas, the carbon cycles, and the solution in water. The carbonic acid system in water and the importance of lime are presented in detail. The occurrence in the natural water cycle as well as in raw waters for drinking water treatment and the corresponding treatment processes for drinking water are also described.

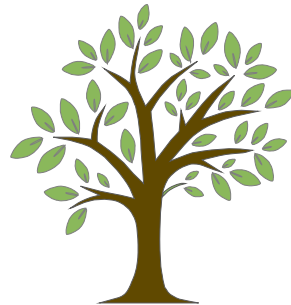
Sample calculations for the aqueous phase complement the theoretical considerations. The required constants are attached in tables. Chemical fundamentals are presented in brief in conclusion.

## About the author

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Over 25 years of teaching and research at Münster University of Applied Sciences in the Department of Energy-Building-Environment in the fields of water chemistry and water treatment.

# Carbon Dioxide



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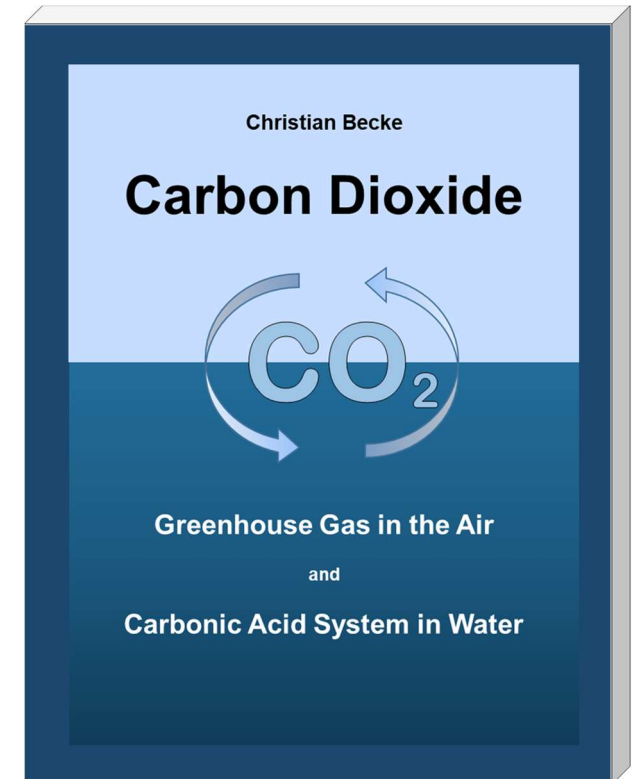
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