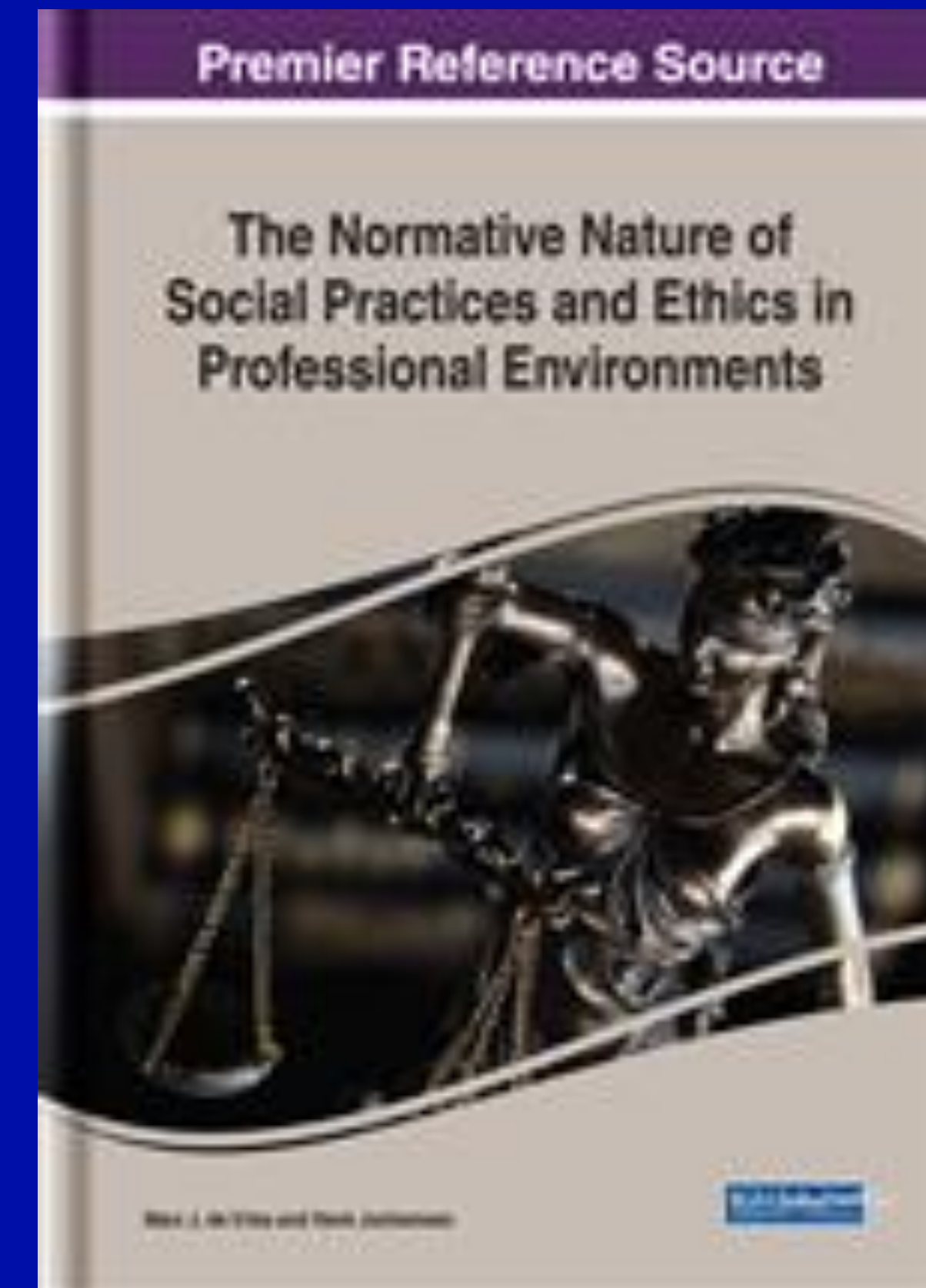


# To develop values-driven in the process industry

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The "Values-Driven Development in the Process Industry" project was a collaboration between an engineer and a philosopher. The results are published in a book.

Reference: Maarten J. Verkerk and Frans Visscher, 'Industrial Practices, Sustainable Development and Circular Economy - Mitigation of Reductionism and Silo Mentality in the Industry, in: Marc J. de Vries and Henk Jochemsen, The Normative Nature of Social Practices and Ethics in Professional Environments' (2019), Hershey: IGI Global, p56-83.



# To develop values-driven in the process industry

## Abstract:

The 2015 Paris agreement challenges the industry to realize their sustainability goals. The objective of this chapter is to support engineers from R&D departments in the chemical process industry to develop processes and systems that are in agreement with these goals. The authors propose the so-called Triple I model that offers three perspectives to direct the development of sustainable practices. This model encourages engineers to identify all relevant aspects, to integrate the knowledge of different disciplines, and to meet the justified interests of stakeholders. In this chapter, the importance of ideals and basic beliefs is highlighted. First of all, ideals and basic beliefs place the sustainable development of the process industry in a broader perspective. In addition, ideals and basic beliefs motivate people to face the challenges of the 2015 Paris agreement and encourage them to develop sustainable solutions.

