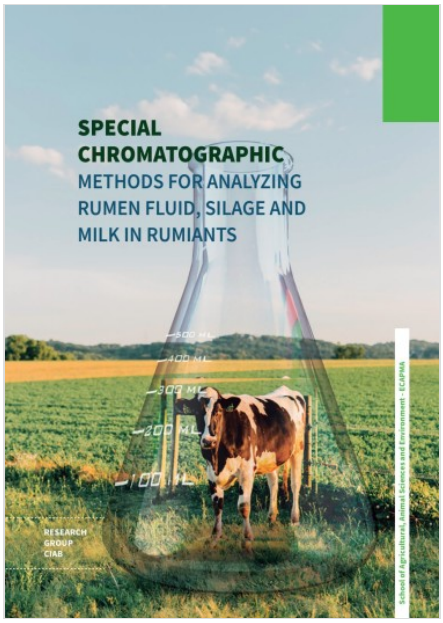
Special chromatographic methods for analyzing rumen fluid, silage, and milk in ruminants

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Sinopsis

The continuous pursuit of maximizing ruminant production while minimizing its negative environmental impact has, in recent years, driven the development and implementation of various nutritional and feeding strategies. As a result of this optimization, significant improvements have been achieved in both productive efficiency and compositional quality of ruminant-derived products.Thus, this publication aims to provide a set of tools through the use of chemical-instrumental methods, focusing on the combination of chromatographic and spectroscopic techniques, seeking to offer diagnostic tools to optimize ruminant production. The material presents several methodologies for analyzing metabolites of interest in animal production in rumen fluid and ruminant milk, as well as silage, for this species.



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Chromatographic methods; Rumen fluid analysis; Silage analysis; Milk analysis; Ruminant production; Nutritional strategies; Animal metabolites; Diagnostic tools; Spectroscopic techniques

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