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Igor Ya. Subbotin* (i`subboti@nu.edu`), National University, Department of Mathematics and Natural Sci, Los Angeles, CA 90045, and **Leonid A. Kurdachenko**. *From Groups to Leibniz Algebras: Common Approaches, Parallel Results*.

The specifics of Leibniz algebras, the features that distinguish them from Lie algebras, can be seen from the description of Leibniz algebras of small dimensions. However, this description concerns algebras over fields of characteristic zero. Some reminiscent of the theory of groups are immediately striking, precisely with its period when the theory of finite groups was already quite developed, while the theory of infinite groups was at the beginning level of creation. Therefore, the idea of using the experience gained in group theory naturally arises. It is clear that we cannot talk about some kind of similarity of results; we can talk about approaches and problems, about application of group theory philosophy. Moreover, any theory has a number of natural problems that arise in the process of its development, and these problems quite often have analogues in other disciplines. In this survey, we want to focus on such issues, our goal is to see which parts of the picture involving the general structure of Leibniz algebras have already been drawn, and this will allow us to see which parts of this picture, in our opinion, should be developed further. We also show significant distinguishing futures of Leibniz algebras from Lie algebras. (Received June 26, 2020)