

Published quarterly by the Lithuanian Academy of Sciences. 2023 impact factor 0.3.

The Journal started in 1961 as *Lietuvos fizikos rinkinys* (*Litovskii Fizicheskii Sbornik*). Since 1993 it has the present title *Lithuanian Journal of Physics* (*Lietuvos fizikos žurnalas*). In 1974–1999, its English translation was published in the USA by Allerton Press, Inc., New York, as *Soviet Physics-Collection* (1974–1988) and *Lithuanian Physics Journal* (1989–1999).

Submissions welcome via <https://www.e-publications.org/lfd/sbs/LJP/login>. Compiled under the auspices of the Lithuanian Physical Society. Email: lfz@lma.lt, website <https://www.lmaleidykla.lt/>.

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- atoms and molecules
- chemical physics
- electrodynamics and wave processes
- nonlinear and coherent optics
- spectroscopy

- ferroelectrics and superconductors
- semiconductors
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