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Jennifer Biermann, Hernan De Alba Casillas, Federico Galetto, Satoshi Murai, Uwe Nagel, Augustine O’Keefe, Tim Romer and Alexandra Seceleanu*
(aseceleanu@unl.edu). *Betti numbers of symmetric shifted ideals.*

An ideal of a polynomial ring is symmetric if it is fixed by the natural action of the symmetric group. We introduce a new class of monomial ideals, which we call symmetric shifted ideals, and which can be considered as an analogue of stable monomial ideals within the class of symmetric ideals. The homological properties of symmetric shifted ideals and their applications will be discussed. (Received August 02, 2020)