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*Duality properties and Riesz representation theorem in Besicovitch-Musielak-Orlicz space of almost periodic functions*

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**Abstract:** This paper is an extension of the work done in [Morsli M., Bedouhene F., Boulahia F., *Duality properties and Riesz representation theorem in the Besicovitch-Orlicz space of almost periodic functions*, Comment. Math. Univ. Carolin. **43** (2002), no. 1, 103–117] to the Besicovitch-Musielak-Orlicz space of almost periodic functions. Necessary and sufficient conditions for the reflexivity of this space are given. A Riesz type “duality representation theorem” is also stated.

**Keywords:** Orlicz norm, Amemiya norm, conjugate function, Besicovitch-Musielak-Orlicz spaces, almost periodic functions, reflexivity, Riesz theorem

**AMS Subject Classification:** 46B20, 42A75

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