# Non-associative Algebraic Hyperstructures and its Applications to Biological Inheritance

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## ABSTRACT

In this paper, we investigate the nonassociative properties of algebraic hyperstructures as it plays out in the biological inheritance which is expressed in the genotypic and phenotypic information that are passed to the progeny from the parental traits. The largest class of hyperstructures called $H_v$-structures are described for the filial generations.

**Keywords:** $H_v$-structures, Filial generations. . .

**AMS Classification:** 17D92, 92B99, 92D10

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