In this paper we define for the first time the notion of bitransformation of bivector spaces, which results in associated bimatrices; analogous to linear transformation associated with matrices. In this paper we only study finite dimensional bivector spaces.

We illustrate this situation by some examples. Further using a bibasis the bitransformation is analyzed. As in case of vector spaces of finite dimension that are isomorphic; we see finite dimensional bivector spaces are also isomorphic. This is proved in case of finite dimensional bivector spaces.