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Sabyasachi Pani* (spani@iitbbs.ac.in), Dr. Sabyasaci Pani, School of Basic Sciences, Indian Institute of Technology Bhubaneswar, Bhubaneswar, Orissa 752050, India. *Some Results on Nonlinear Mixed Variational-like Inequalities.*

In this paper We define generalized weakly relaxed $\eta - \alpha$ pseudomonotonicity and strictly $\eta - \alpha$ quasimonotonicity with respect to a bi-function f . Using KKM technique, we prove some existence results for nonlinear mixed variational-like inequalities with generalized weakly relaxed $\eta - \alpha$ pseudomonotone and strictly $\eta - \alpha$ quasimonotone operators. In addition, some results on Generalized Strongly Nonlinear Mixed Variational-like inequality with respect to weakly relaxed $\eta - \alpha$ monotone mappings in Banach space settings are discussed. (Received September 25, 2018)