

1114-46-15

**Sartaj Ali\*** ([sartajali2004@yahoo.com](mailto:sartajali2004@yahoo.com)), Department of Mathematics, NCBA&E, Lahore, 40-E1, Pakistan. *Best Proximity Point Theorems For  $F\rho$  Proximal Contraction In Modular Function Spaces.*

Recently Mohamed Jleli et al. (2013) introduce the class of proximal quasi-contraction of nonself-mappings in modular spaces with the Fatou property. He provide sufficient conditions assuring the existence and uniqueness of best proximity points. M Omidvari et al. (2014) proved the existence of a best proximity point for F-contractive nonself-mappings and state some results in the complete metric spaces. Also they defined two kinds of F-proximal contractions and extended some best proximity point theorems and improved the recent results. In this paper we have made some improvement by unifying and generalizing the results of Mohamed Jleli et al. (2013) and M Omidvari et al. (2014) in modular function spaces. Our results generalized the results of Mohamed Jleli et al. (2013), M Omidvari et al. (2014) and some other results in the literature. Moreover, we discussed some illustrative examples to highlight the realized improvements. (Received March 20, 2015)