Bharati, B. K.; Naresh, K.; Chatterji, D.; Jayaraman, N. 2013, "Synthetic arabinan, arabinomannan glycolipids and their effects on mycobacterial growth, sliding motility and biofilm formation", *Carbohydr. Chem*., *39*, 58 – 77.

The review article pertains to covering the developments on synthetic glycolipids as ligands and as inhibitors of mycobacterial cell wall components biosynthesis and functions. This particular focused area has developed from few articles a decade ago to the one which is now pursued very actively, with several publications arising from the studies. The area merits immensely as it targets to open a possibility to ameliorate mycobacterial originated diseases. A biological perspective of various cell wall components is discussed initially, followed by studies of oligosaccharide glycolipids as inhibitors for the mycobacterial growth, including inhibitions of the enzymatic processes. Several synthetic designs have evolved in these studies, including those that have modified sugars, targeting specifically lipoarabinomannan and arabinogalactan components. Recent studies further elaborate the role of synthetic glycolipids in interfering processes, such as, biofilm formation and sliding motilities of the mycobacterium.