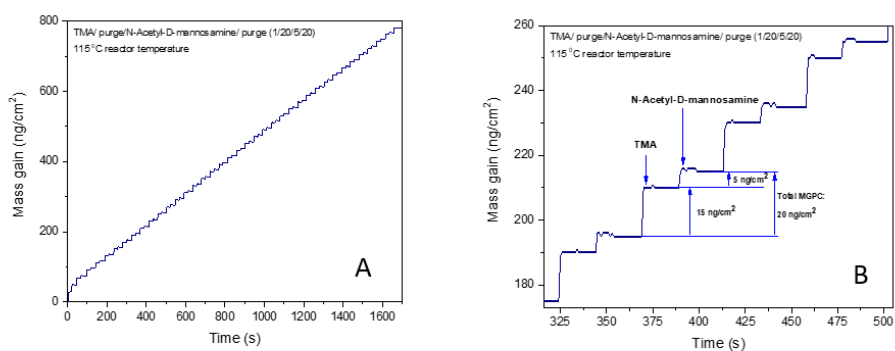


**Figure 1.** Illustration of surface chemistry of Chitin type MLD process.



**Figure 2.** QCM characterization. (A) Mass gain as a function of time for N-acetyl-D-mannosamine and TMA MLD at 115 °C. Growth over 38 reaction cycles using a timing sequence of (1, 20, 5, 20). (B) Expanded view of growth during four reaction cycles in a steady state regime at 115°C.