



**Priyanka Singh, 2015**

Chemical Sciences Department | Tata Institute of Fundamental Research

**Field strength:** 800 MHz

**Why is this your favorite spectrum?**

1D  $^{13}\text{C}$ -NMR spectrum of bicarbonate at different pH showing its different forms, i.e., carbon dioxide at lower pH near 2 to 4 and carbonate form at higher pH near 11, whereas bicarbonate form was detected at pH=7.