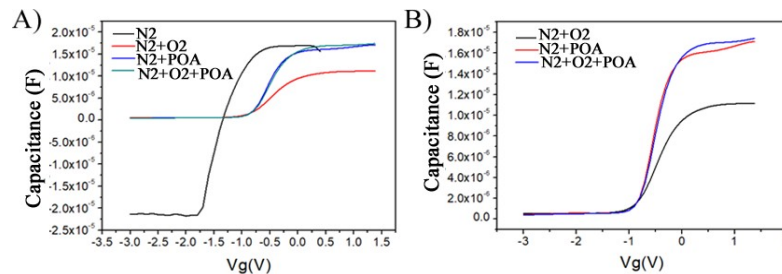


**Table 01:** Summary of tests carried out with plasmas to determine the best SiC passivation method.

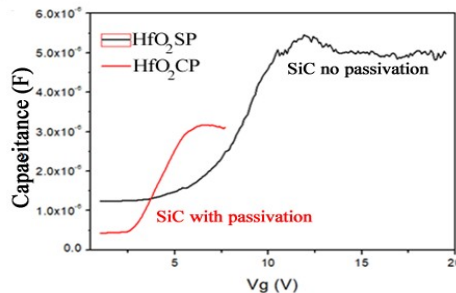
Test	Gas	Time (minutes)
1	N <sub>2</sub>	15, 30 e 45
2	N <sub>2</sub> + POA (N <sub>2</sub> +O <sub>2</sub> )	15 + 5
3	N <sub>2</sub> +O <sub>2</sub>	15
4	N <sub>2</sub> +O <sub>2</sub> + POA (N <sub>2</sub> +O <sub>2</sub> )	15 + 5

**Table 02:** Parameters used in the passivation process.

Parameters	
Work pressure	50 mTorr
RF power	450 Watts
Reflected power	16 Watts
Gas	N <sub>2</sub> e/ou O <sub>2</sub> (70 sccm + 70 sccm)



**Fig. 1.** C×V curves of MOS capacitors; A) N<sub>2</sub> plasma for 15 minutes (black), N<sub>2</sub> plasma for 15 minutes + N<sub>2</sub>+O<sub>2</sub> plasma for 5 minutes (red), N<sub>2</sub>+O<sub>2</sub> plasma for 15 minutes (blue) and N<sub>2</sub>+O<sub>2</sub> plasma for 15 minutes + plasma N<sub>2</sub>+O<sub>2</sub> for 5 minutes (green); B) N<sub>2</sub> plasma for 15 minutes + N<sub>2</sub>+O<sub>2</sub> plasma for 5 minutes (black), N<sub>2</sub>+O<sub>2</sub> plasma for 15 minutes (red) and N<sub>2</sub>+O<sub>2</sub> plasma for 15 minutes + N<sub>2</sub>+O<sub>2</sub> plasma for 5 minutes (blue);



**Fig. 2.** Comparison between C×V curves with HfO<sub>2</sub>/SiC capacitor with passivation (red) and without passivation (black).