

Effect of surface modification by oxygen-enriched chemicals on the surface properties of pine bark biochars

Nitesh Kasera ^{1,*}, Victoria Augoustides ¹, Praveen Kolar ^{1,*}, Steven Hall ¹, and Billie Vicente ²

¹ Department of Biological and Agricultural Engineering, North Carolina State University, 3100 Faucette Drive, Raleigh, NC 27695, USA

² Department of Biological Sciences, North Carolina State University, 112 Derieux Place, Raleigh, NC 27695-7614, USA

* Correspondence: Nitesh Kasera: nkasera@ncsu.edu; Praveen Kolar: pkolar@ncsu.edu

Supplementary Information

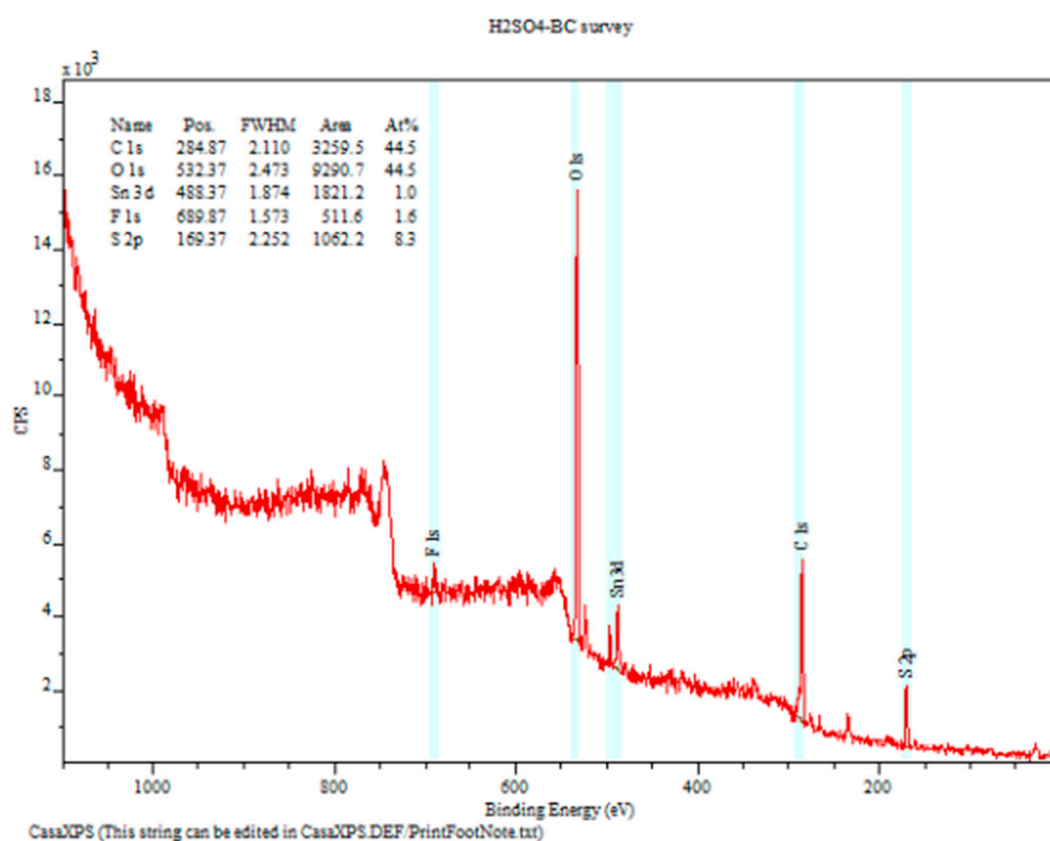


Figure S1: Raw XPS scan of H₂SO₄-BC

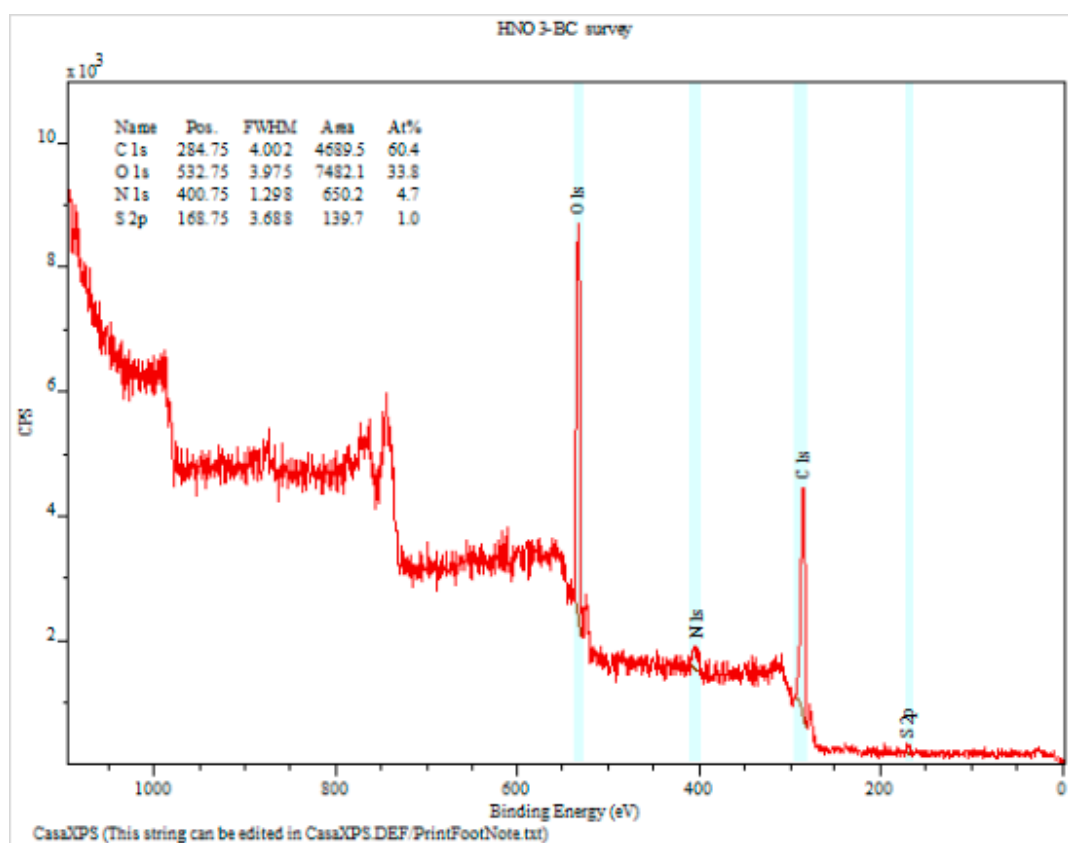


Figure S2: Raw XPS scan of HNO₃-BC