

## Supporting Information

### **Development, Characterization, and Influence of Proanthocyanidin Loaded PLGA Nanoparticles on Push out Bond Strength of Glass Fibre Posts Bonded with Resin Cement to Root Dentin: *In Vitro* Study**

**Tarini Mullick<sup>\*,1</sup> , Sushruta S Hakkimane<sup>2</sup> , Kishore Ginjupalli<sup>3</sup> , Swathi Pai<sup>5</sup> ,  
Bharath Raja Guru<sup>4</sup> , Krishnaraj Somayaji<sup>1</sup> **

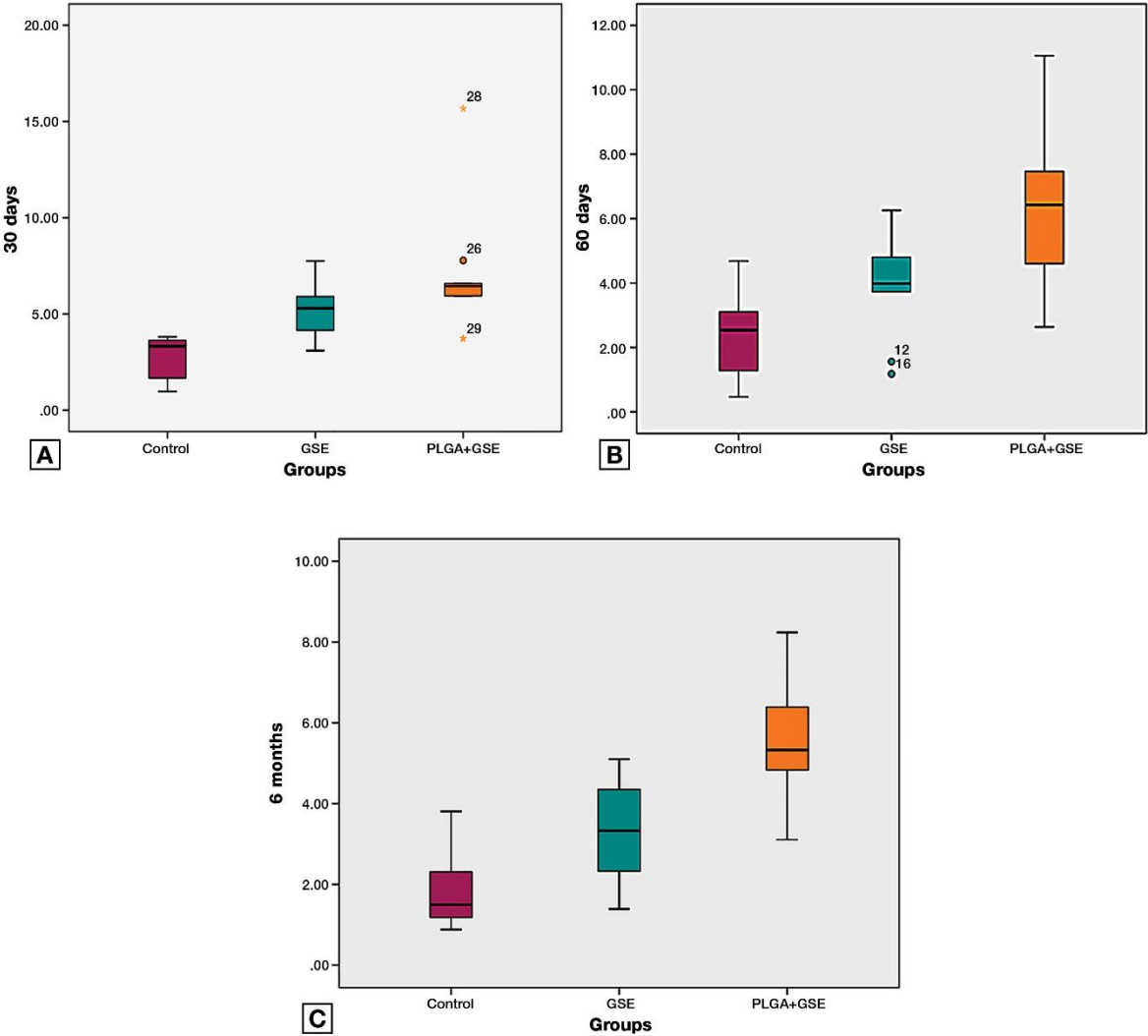
<sup>1</sup>*Department of Conservative Dentistry and Endodontics, Manipal College of Dental Sciences, Manipal academy of higher education, Manipal, India*

<sup>2</sup>*Department of Biotechnology, Manipal Institute of Technology Bengaluru, India*

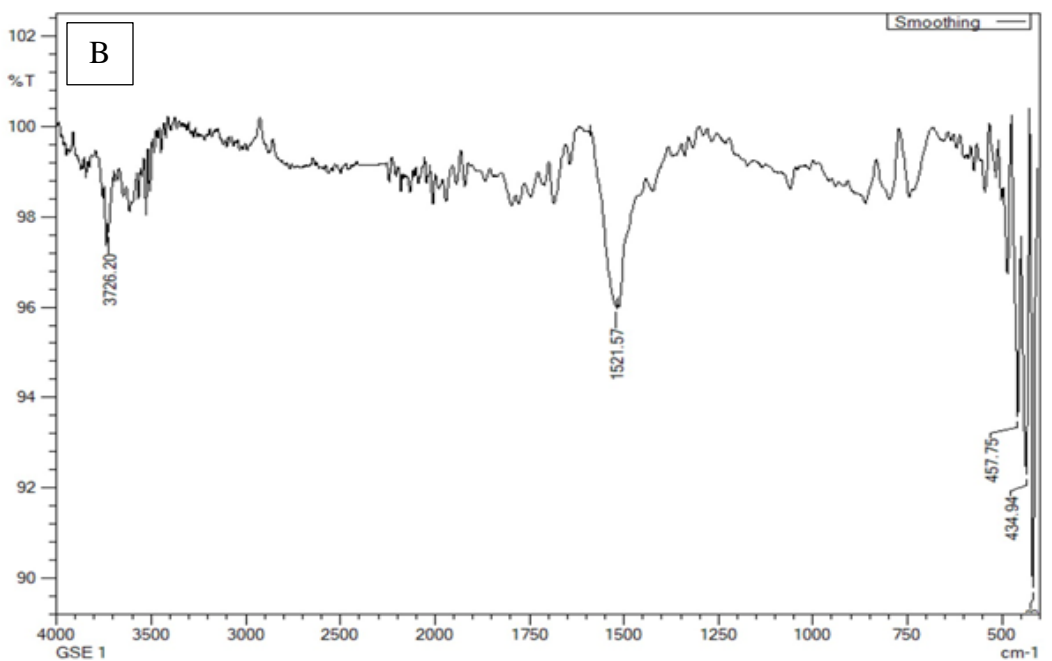
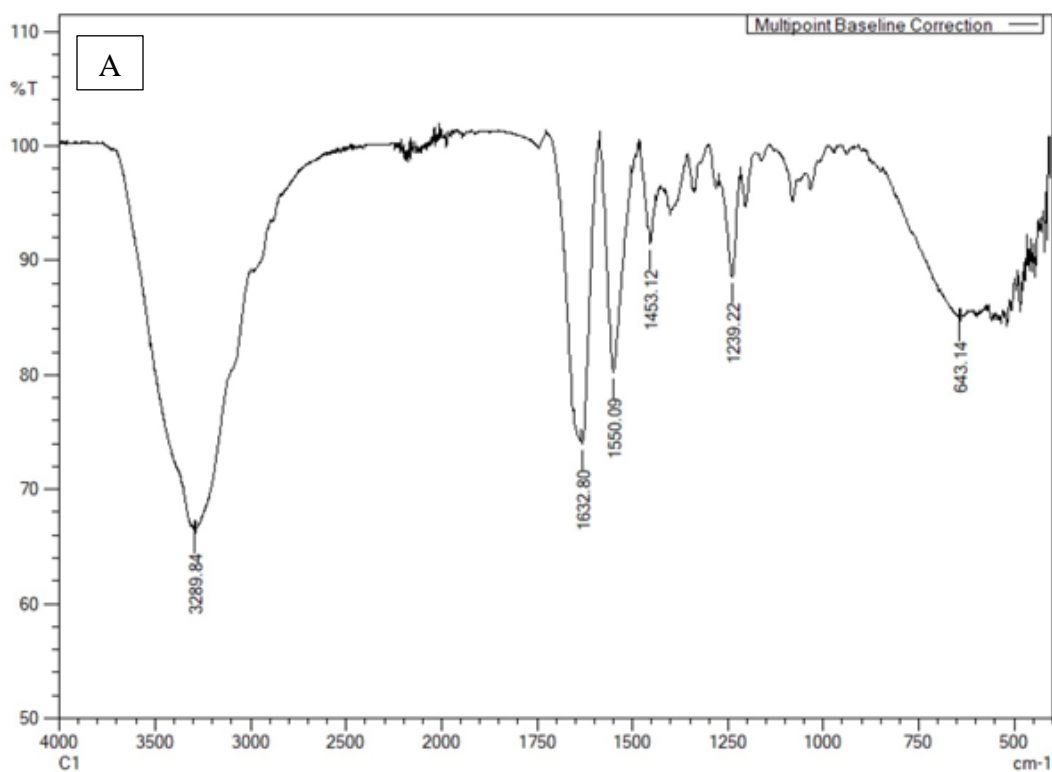
<sup>3</sup>*Department of Dental Materials, Manipal College of Dental Sciences, MAHE, Manipal, India*

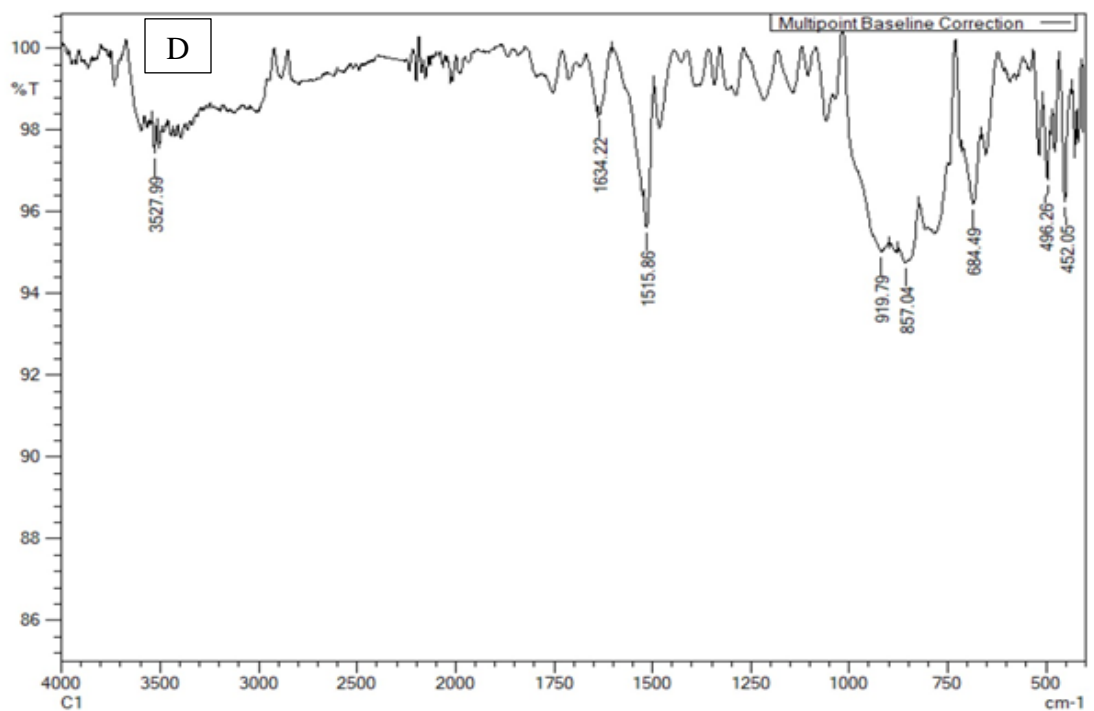
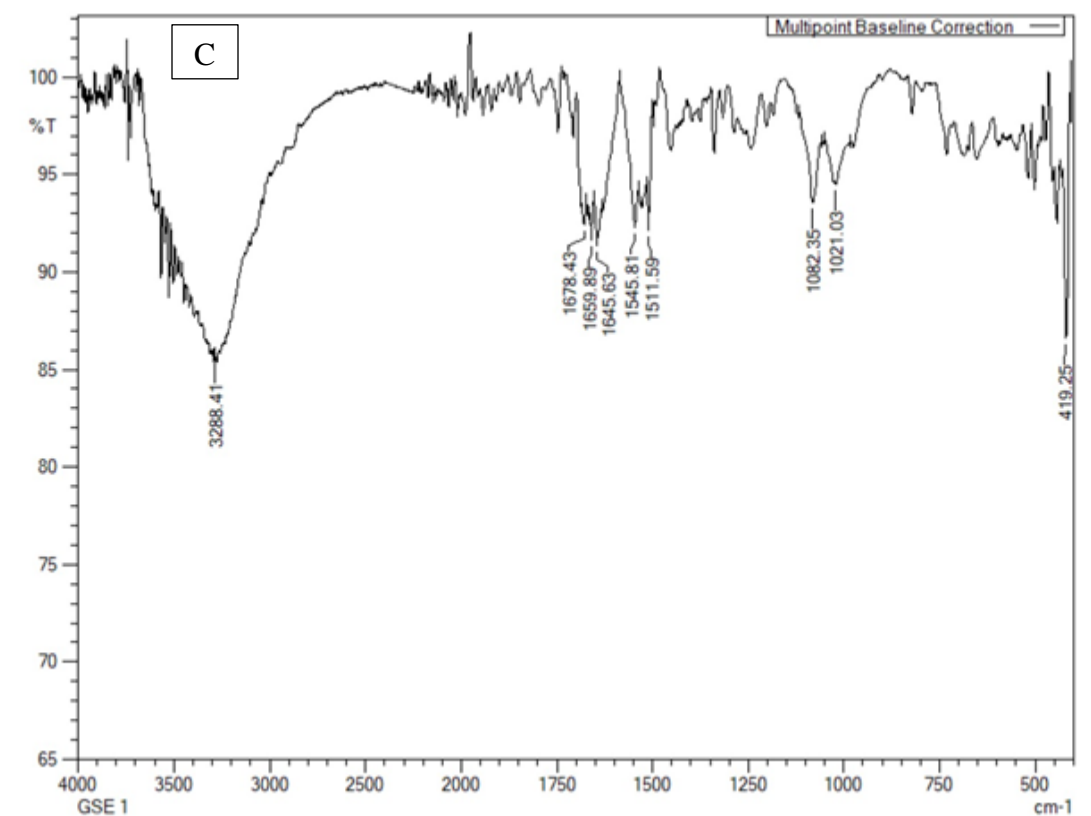
<sup>4</sup>*Reader, Department of Conservative Dentistry and Endodontics, KVG Dental College, Sullia, India*

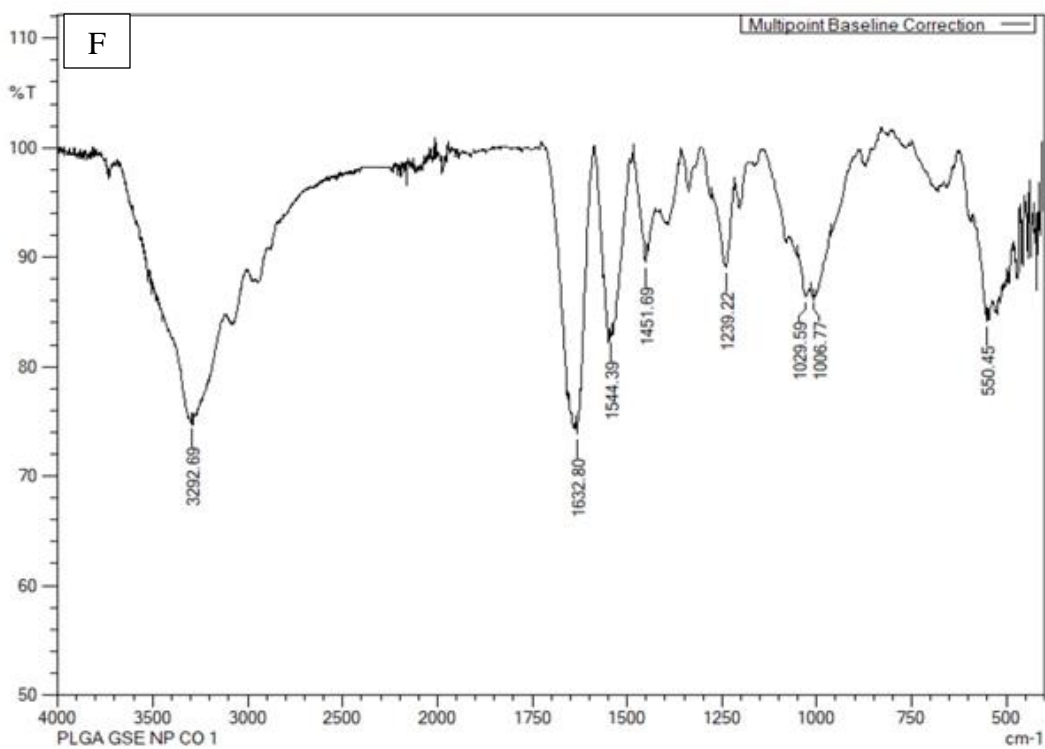
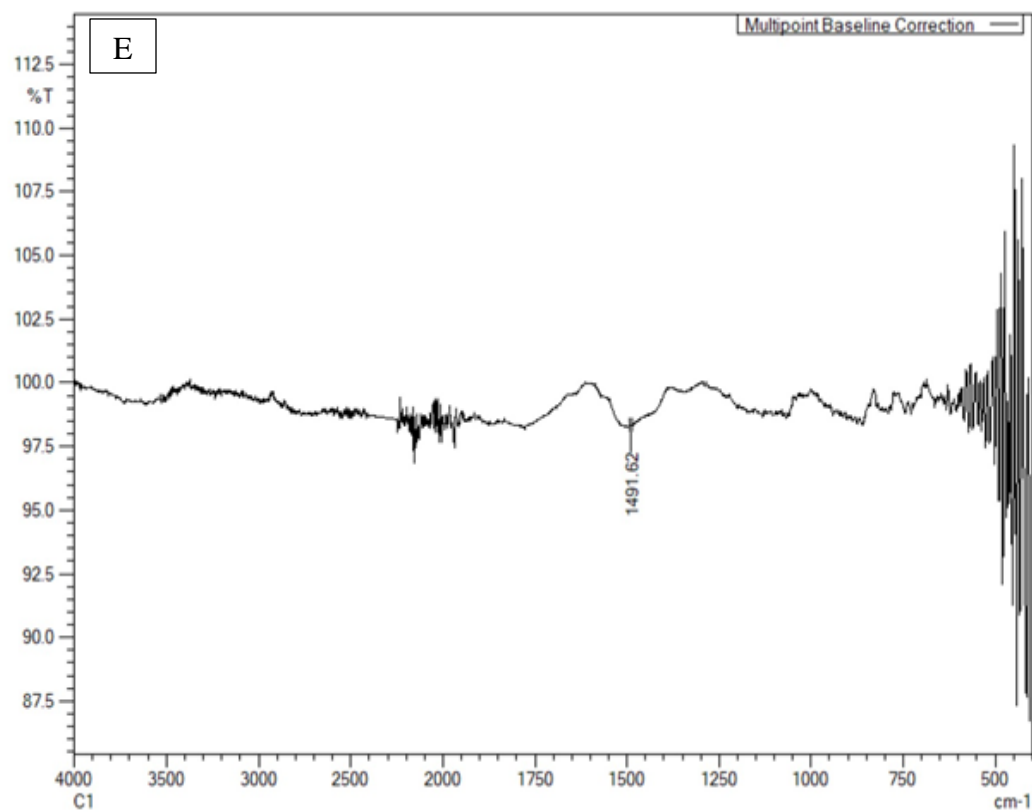
<sup>5</sup>*Department of Biotechnology, Manipal Institute of Technology Manipal, MAHE, Manipal, India*

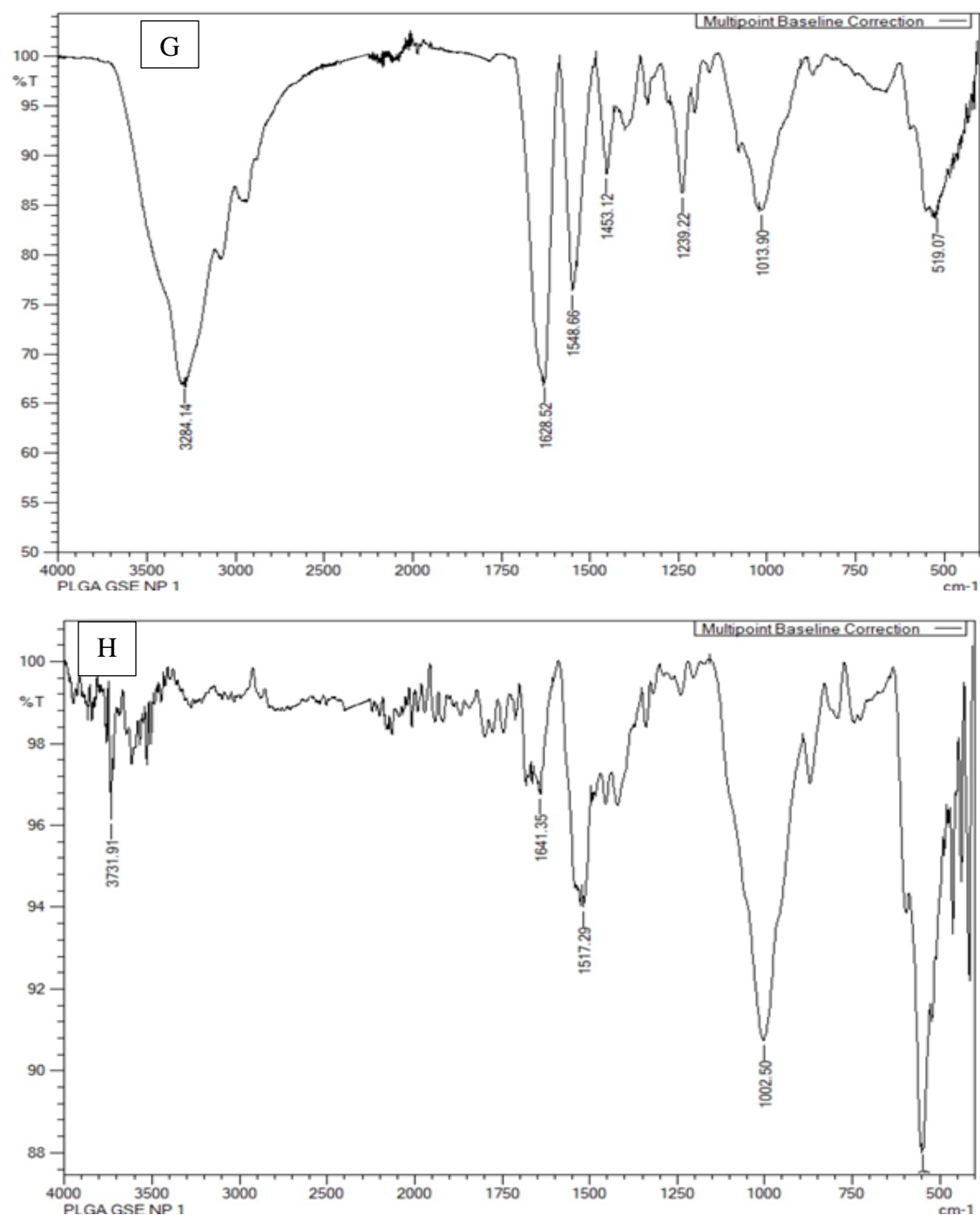


**Figure S1:** Graphical representation of comparison of POBS between the group at different time intervals (30, 60, and 180 days)









**Figure S2:** FTIR testing (A) Sample after conditioning, (B) plain sample, (C), (D), and (E) GSE samples, (F), (G), and (H) GSE NPs