

Electronic Supplementary Material (ESI) for New Journal of Chemistry

Manuscript ID NJ-ART-11-2018-006015

## Supplementary information

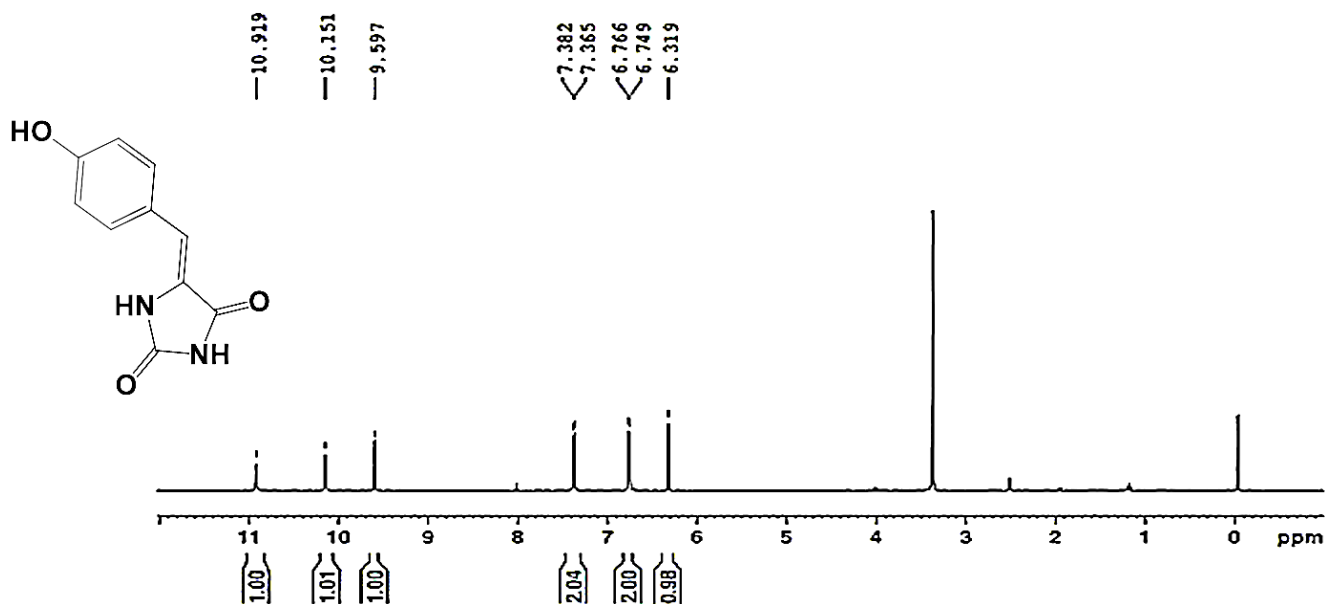
### Development of New Hydantoin-Based Biocidal Polymers with Improved Rechargeability and Anti-microbial Activity

Rajani Kant Rai\*, A. Jayakrishnan<sup>†</sup>

*Department of Biotechnology, Bhupat and Jyothi*

*Mehta School of Biosciences, Indian Institute of Technology Madras, Chennai 600 036,*

*Tamil Nadu, India*



**Figure S1.** <sup>1</sup>H NMR spectrum of HBID

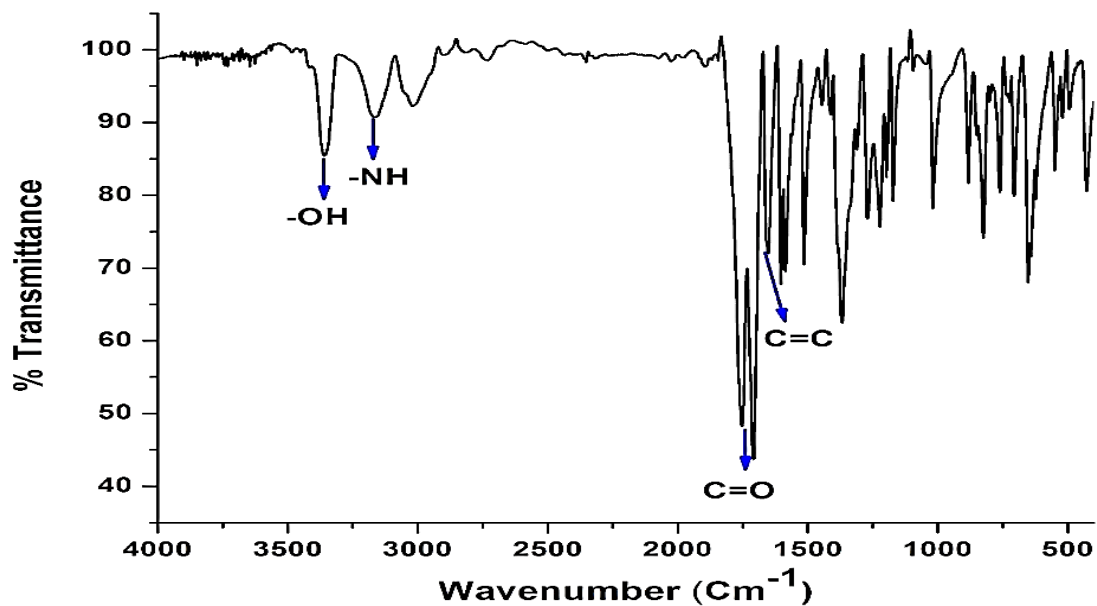


Figure S2. FTIR spectrum of HBID

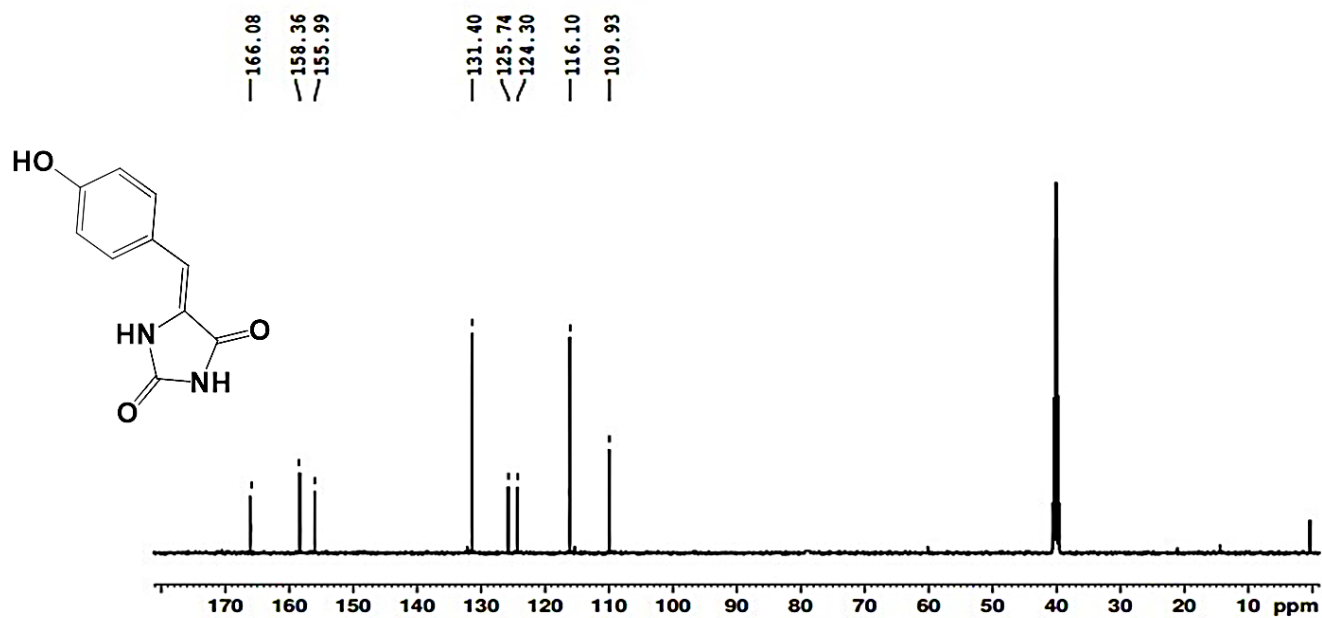
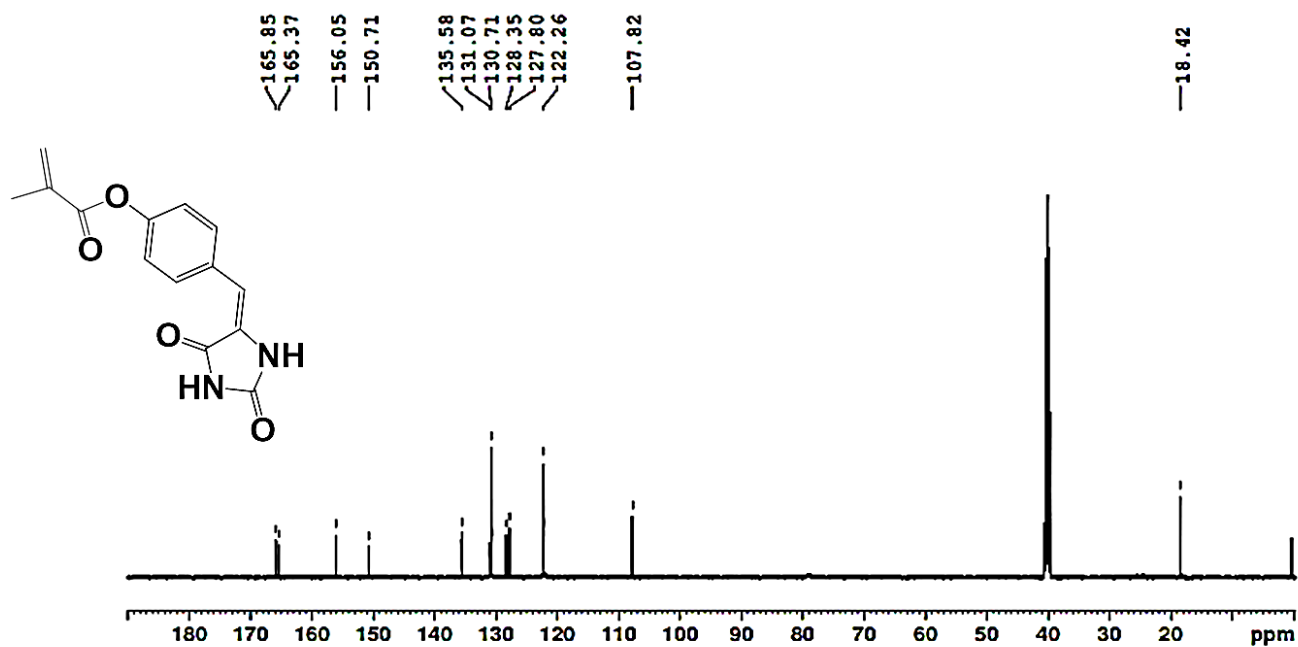


Figure S3. <sup>13</sup>C NMR spectrum of HBID



**Figure S4.**  $^{13}\text{C}$  NMR spectrum of MBID