

Supporting Information

Povidone-Iodine-Functionalized Fluorinated Copolymers with Dual-Functional Antibacterial and Antifouling Activities

Qinggele Borjihan,^{a#} Jiebing Yang,^{b#} Qing Song,^c Lingling Gao,^{c,d} Miao Xu,^{c,d} Tianyi Gao,^a Wenxin Liu,^a Peng Li,^{*c,d} Quanshun Li,^{*b} and Alideertu Dong,^{*a}

^aCollege of Chemistry and Chemical Engineering, Inner Mongolia University, Hohhot 010021, People's Republic of China

^bKey Laboratory for Molecular Enzymology and Engineering of Ministry of Education, School of Life Sciences, Jilin University, Changchun 130012, People's Republic of China

^cXi'an Institute of Flexible Electronics & Xi'an Institute of Biomedical Materials Engineering, Northwestern Polytechnical University (NPU), 127 West Youyi Road, Xi'an 710072, China.

^dKey Laboratory of Flexible Electronics (KLOFE) and Institute of Advanced Materials (IAM) Jiangsu National Synergetic Innovation Center for Advanced Materials (SICAM), Nanjing Tech University, Nanjing, 211816, China.

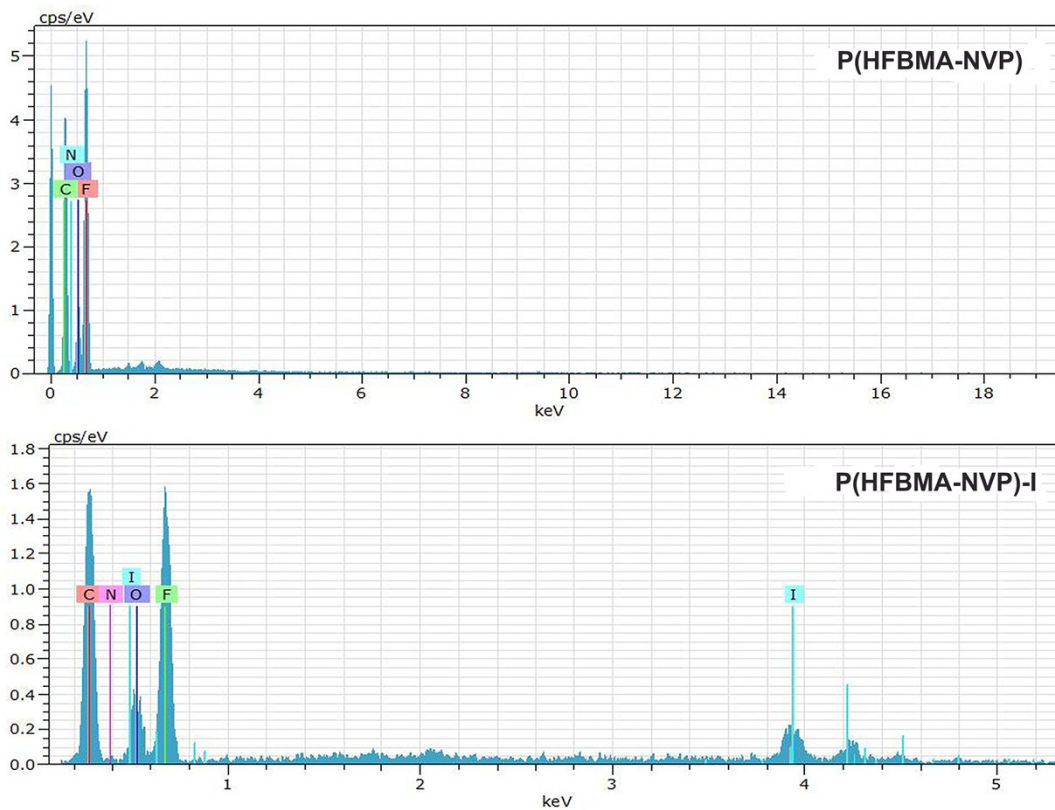


Fig. S1 EDX spectra of P(HFBMA-NVP) and P(HFBMA-NVP)-I.

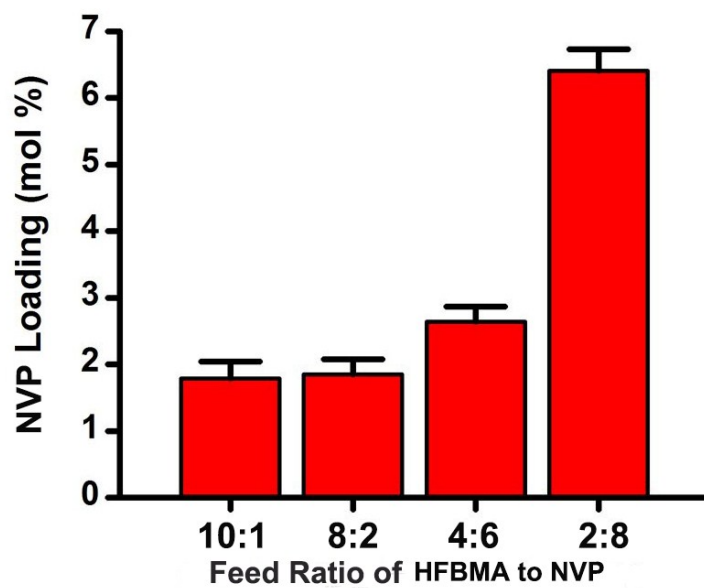


Fig. S2 Molar content of NVP loading in P(HFBMA-NVP) prepared at different feed ratios.

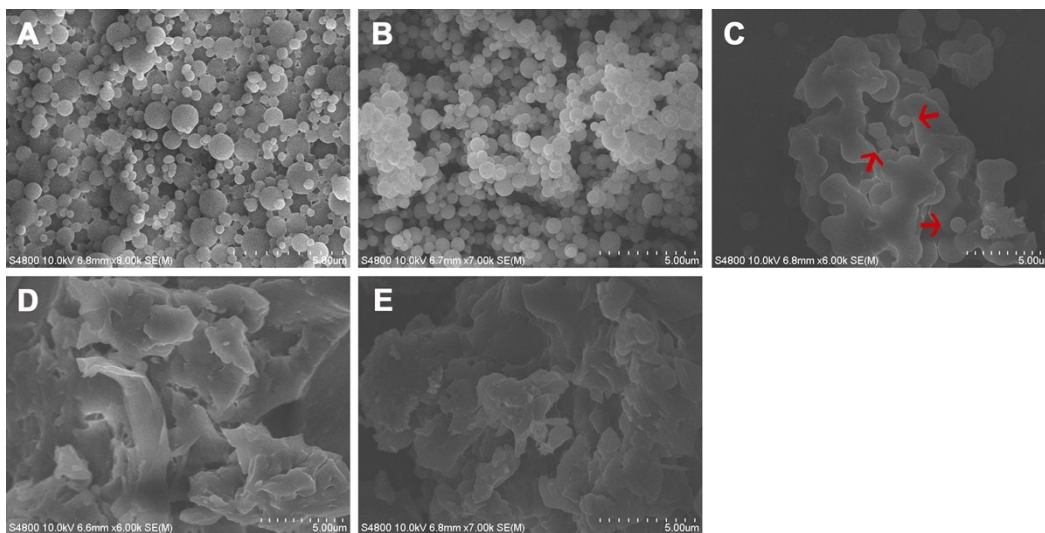


Fig. S3 SEM images of (A) pristine PHFBMA, P(HFBMA-NVP) prepared at the feed ratios of (B) 10: 1, (C) 4:6, and (D) 2:8, and (E) P(HFBMA-NVP)-I.

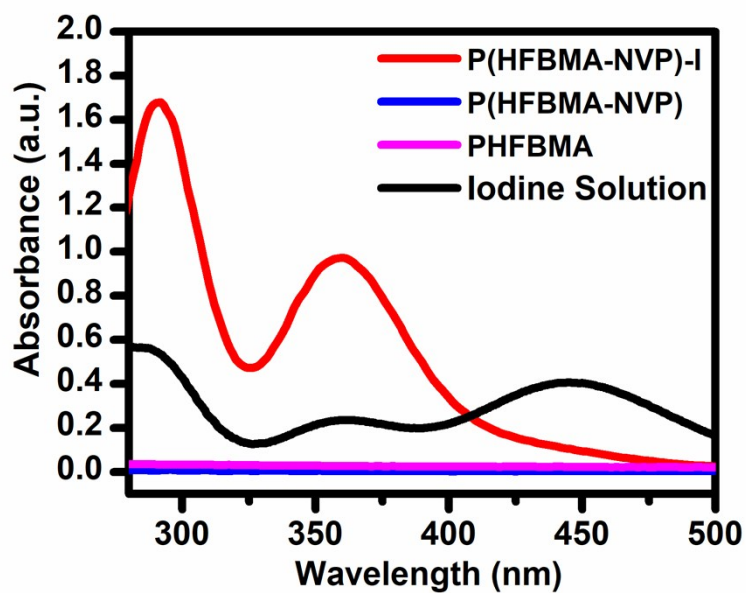


Fig. S4 UV-vis spectra of P(HFBMA), P(HFBMA-NVP), P(HFBMA-NVP)-I and iodine solution.