Supporting Information for

Probing Structural Variation and Multifunctionality in Niobium Doped Bismuth Vanadate Materials

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Figure S1. Lorentz fits Raman mode around 812 cm⁻¹ of $BiV_{1-x}Nb_xO_4$; x = 0, 0.025, 0.05, 0.075 calcined at 500°C.



Figure S2. Tauc plots of $BiV_{1-x}Nb_xO_4$; x = 0, 0.025, 0.05, 0.075 calcined at 500°C.



Figure S3. UV Vis NIR reflectance spectra of $BiV_{1-x}Nb_xO_4$; x = 0, 0.025, 0.05, 0.075.



Figure S4. NIR solar reflectance spectra of $BiV_{1-x}Nb_xO_4$; x = 0, 0.025, 0.05, 0.075.



Figure S5. GC MS chromatogram of MB degradation after 160 min sunlight irradiation



Figure S6. GC MS spectra of MB and its intermediate degradation products at retention time (a) 3.45 min and (b) 14.56 min.