

*Supplementary Materials*

## **Simultaneous Determination of Acetaminophen in the Presence of Adrenaline at BiVO<sub>4</sub>/MCPE: A Cyclic Voltammetry Study**

**K. G. Manjunatha,<sup>1</sup> B. E. Kumara Swamy,<sup>2</sup> K. A. Vishnu Murthy,<sup>1</sup> and Mohan Kumar<sup>3</sup>**

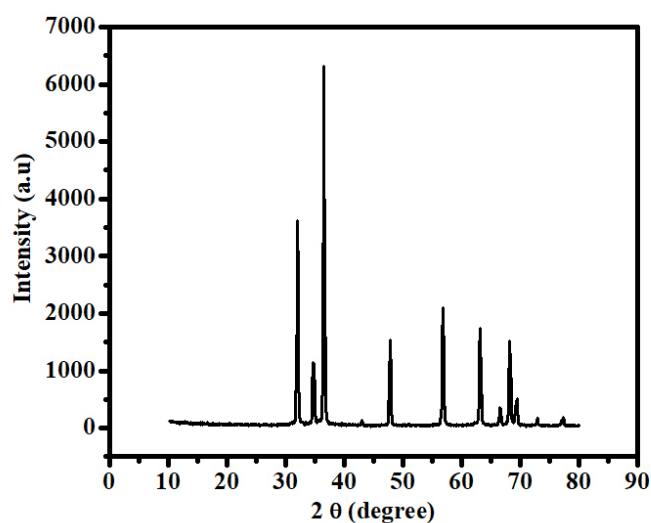
<sup>1</sup>Dept of Industrial Chemistry, Sir M.V. Science College, Bhadravathi, Karnataka(S), India

<sup>2</sup>Dept of PG Studies and Research in Industrial Chemistry, Kuvempu University, Jnana Sahyadri, Shankaraghatta (577451) Shivamogga (D) Karnataka(S), India

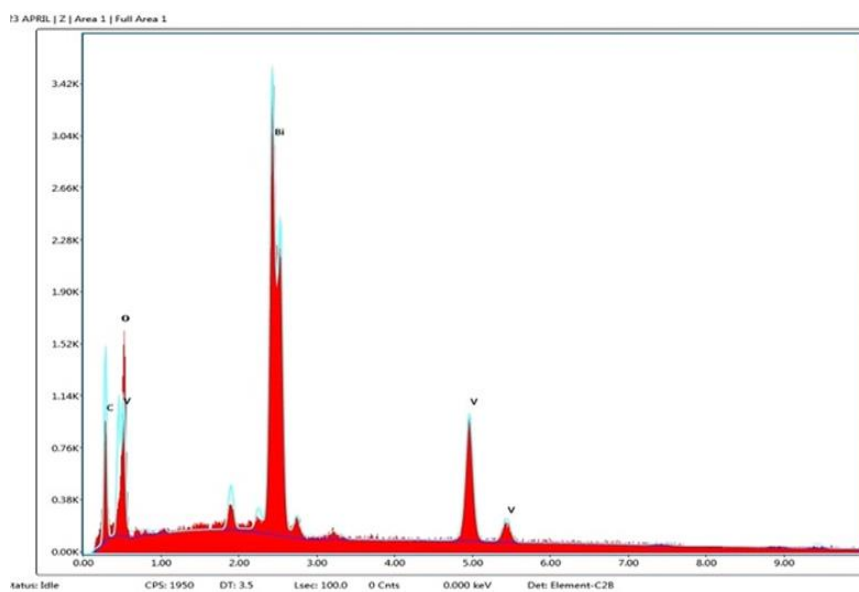
<sup>3</sup>Dept of Chemistry, PES Institute of Technology and Management, Sagar Road, Guddada Irakere, Kotegangoor-577204, Shimoga, India

\*Corresponding Author, Tel.: +9900513796

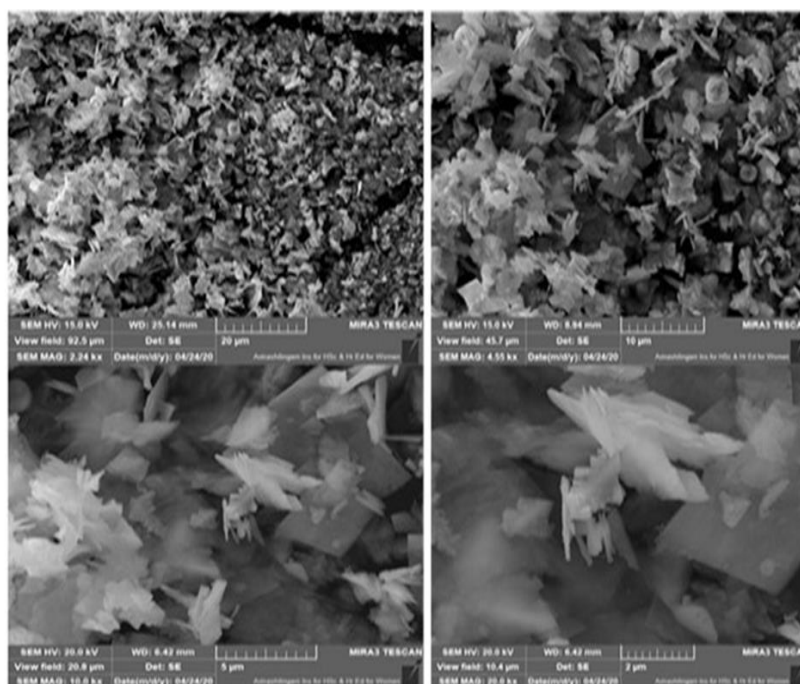
E-Mail: [kumaraswamy21@yahoo.com](mailto:kumaraswamy21@yahoo.com)



**Figure S1.** XRD pattern of the BiVO<sub>4</sub> nanoparticle

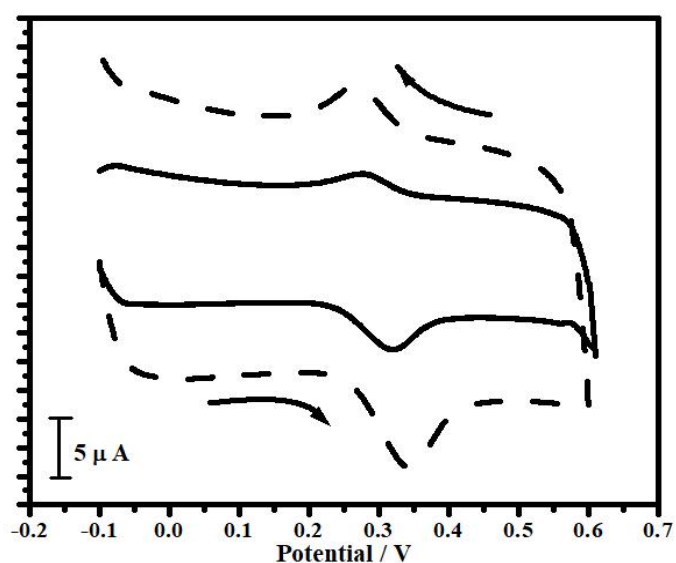


A

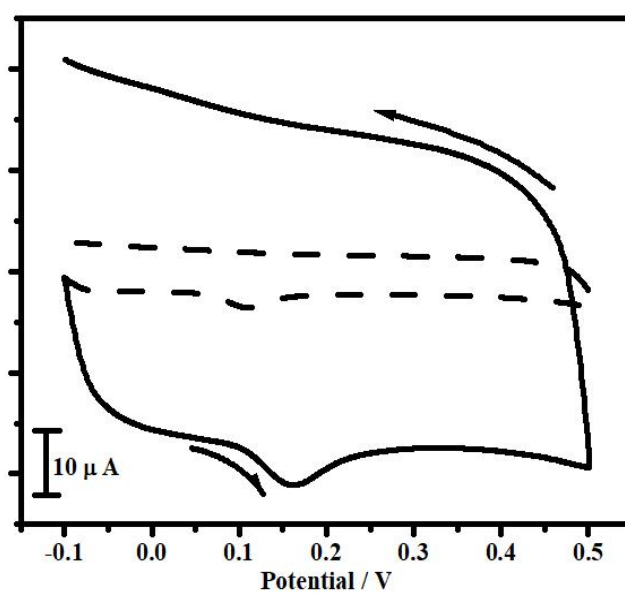


B

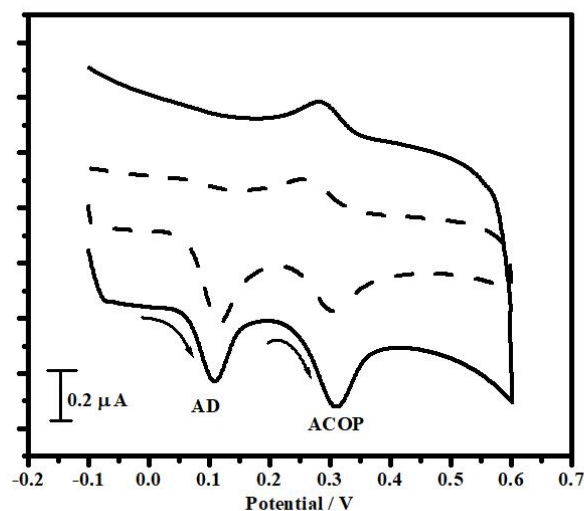
**Figure S2.** A) SEM images of the BiVO<sub>4</sub> nanoparticle; B) EDS analysis of BiVO<sub>4</sub> nanoparticle



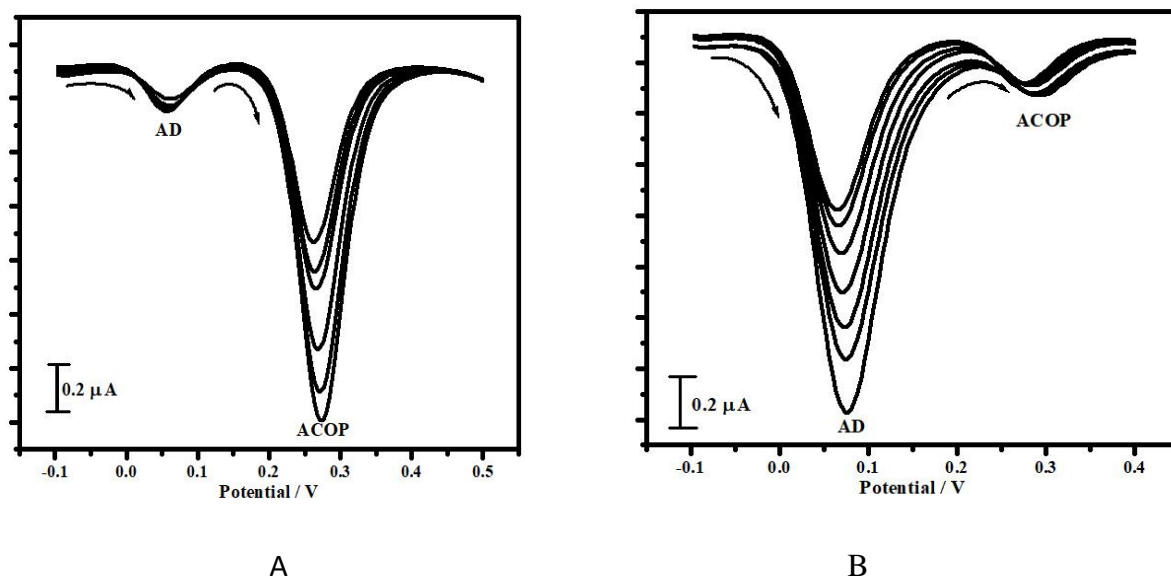
**Figure S3.** CVs of 10  $\mu\text{M}$  ACOP at BCPE (dotted line) and  $\text{BiVO}_4/\text{NaOH}/\text{MCPE}$  (solid line) in 0.2 M PBS pH 7.4 at scan rate  $50 \text{ V s}^{-1}$



**Figure S4.** CVs of 10  $\mu\text{M}$  AD at BCPE (dotted line) and  $\text{BiVO}_4/\text{NaOH}/\text{MCPE}$  (solid line) in 0.2 M PBS pH 7.4 at scan rate  $50 \text{ V s}^{-1}$



**Figure S5.** CVs for simultaneous determination of ACOP and AD at BCPE (dashed line) and BiVO<sub>4</sub>/NaOH/MCPE (solid line)



**Figure S6.** A) DPVs of varied concentrations of ACOP in the presence of AD at BiVO<sub>4</sub>/NaOH/MCPE in 0.2 M PBS with scan rate 50 V s<sup>-1</sup>; B) DPVs of varied concentrations of AD in the presence of ACOP at BiVO<sub>4</sub>/NaOH/MCPE in 0.2 M PBS with scan rate 50 V s<sup>-1</sup>