

Supplementary material for the article:

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**Supplementary material for:**

**Boron-doped diamond electrode – a prestigious unmodified carbon electrode  
for simple and fast determination of bentazone in river water samples**

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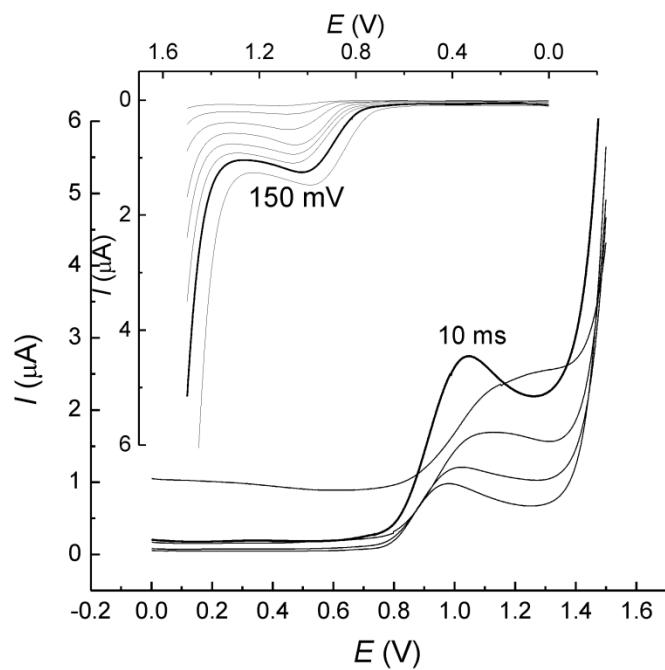
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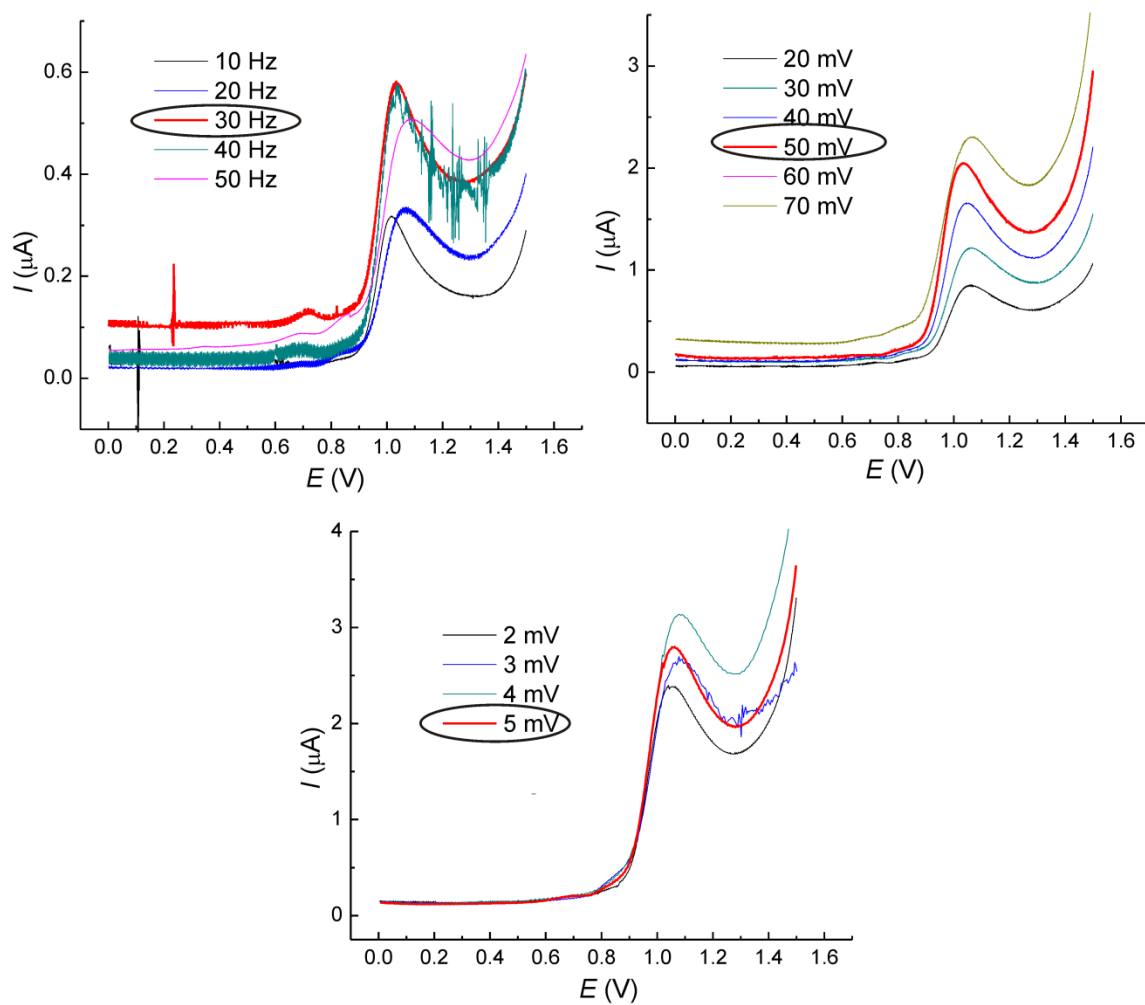
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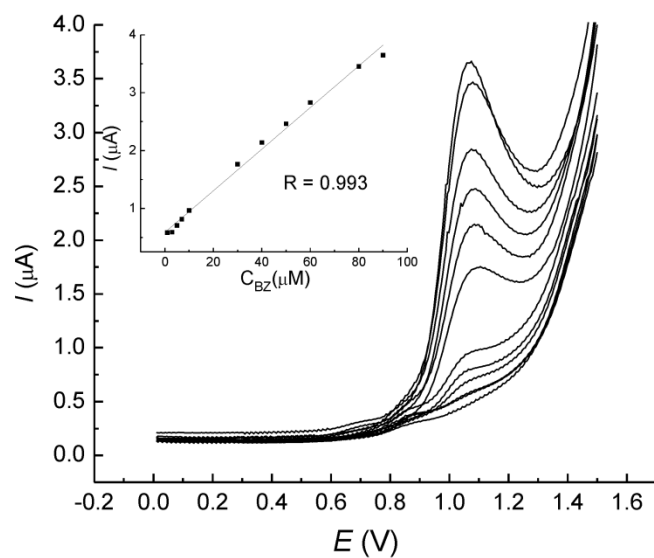
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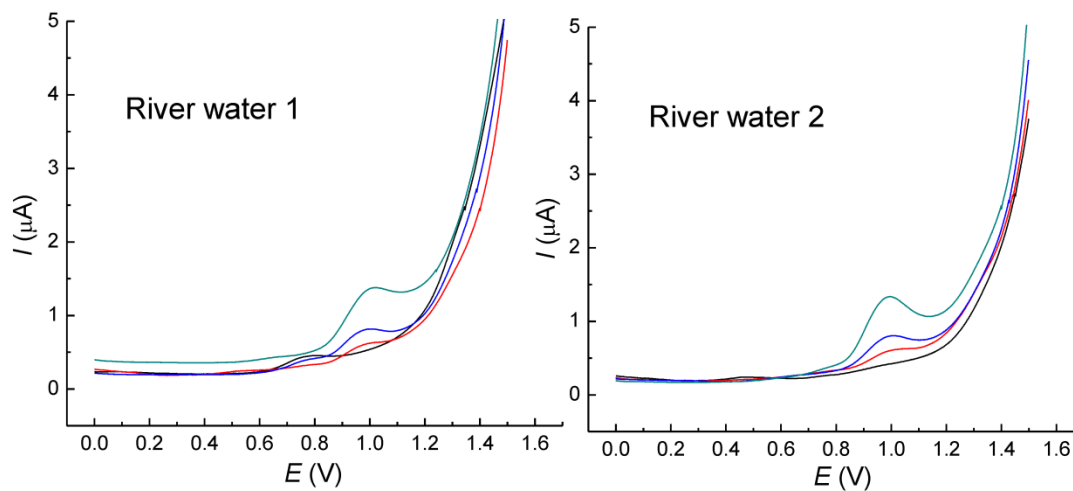
**Figure S1.** Voltammograms of 100  $\mu\text{M}$  of BZ in BR buffers at pH 4 using BDDE at different working operational parameters for DPV; lower figure – effect of pulse time, upper figure – effect of pulse amplitude



**Figure S2.** Voltammograms of 100  $\mu\text{M}$  of BZ in BR buffers at pH 4 using BDDE at different working operational parameters for SW; above, left figure – effect of frequency; above, right – effect of pulse amplitude; below – effect of potential step



**Figure S3.** SW voltammograms of various concentrations (0, 1, 3, 5, 7, 10, 30, 40, 50, 60, 80, 90  $\mu\text{M}$ ) of bentazone, in BR buffer at pH 4 at BDDE, under optimized experimental conditions; Corresponding calibration curve is in inset.



**Figure S4.** DPVs of BR solutions containing river water samples spiked with various concentrations of bentazone (3, 9 and 24  $\mu\text{M}$ )