

1 Type of the Paper (Article, Review, Communication, etc.)

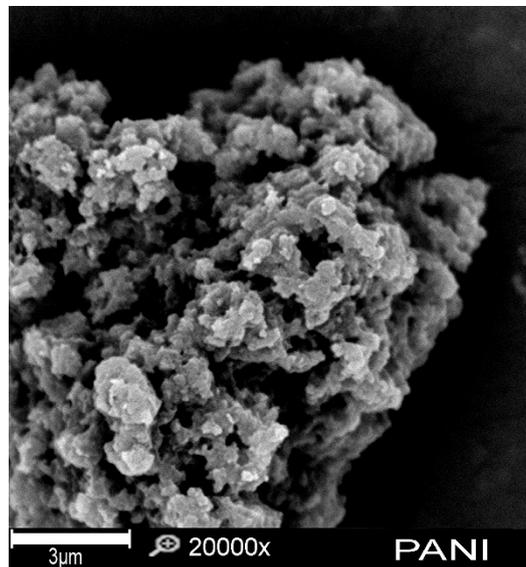
2 **A Polymeric Composite Material (rGO/PANI) for**  
 3 **Acid Blue 129 Adsorption**

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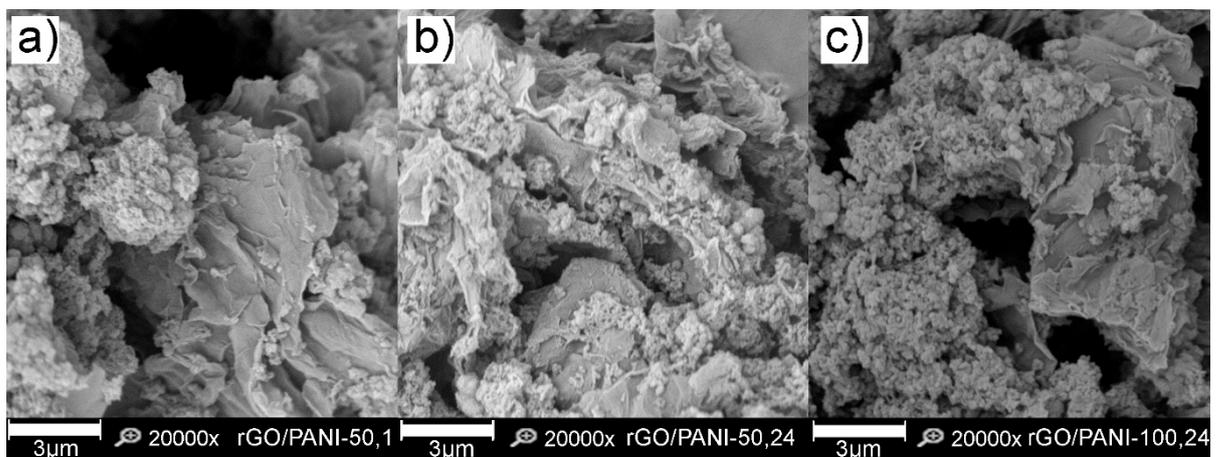
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14 **Figure S1.** SEM image of PANI (scale bar represents 3 μm).



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16 **Figure S2.** SEM images of a) rGO/PANI-50,1 b) rGO/PANI-50,24, c) rGO/PANI-100,24 composites  
 17 (scale bar represents 3 μm).

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**Table S1.** R<sup>2</sup> values for kinetics experiments of rGO/PANI composite for pseudo-first-order (1<sup>st</sup>) and pseudo-second-order (2<sup>nd</sup>) kinetic model.

Time (h)	Temperature (°C)		
	0	50	100
1	1 <sup>st</sup> 0.939	1 <sup>st</sup> 0.781	1 <sup>st</sup> 0.709
	2 <sup>nd</sup> 0.999	2 <sup>nd</sup> 0.990	2 <sup>nd</sup> 0.990
8	1 <sup>st</sup> 0.511	1 <sup>st</sup> 0.277	1 <sup>st</sup> 0.574
	2 <sup>nd</sup> 0.998	2 <sup>nd</sup> 0.908	2 <sup>nd</sup> 0.998
24	1 <sup>st</sup> 0.398	1 <sup>st</sup> 0.829	1 <sup>st</sup> 0.595
	2 <sup>nd</sup> 0.998	2 <sup>nd</sup> 0.999	2 <sup>nd</sup> 0.999

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