

1 **Developing  $\text{Ni}_{0.5}\text{Zn}_{0.5}\text{Fe}_2\text{O}_4$  Ferrite with Controlled Particle Size**  
2 **and Morphology Through Optimized Processing Conditions of**  
3 **low energy solid state reaction**

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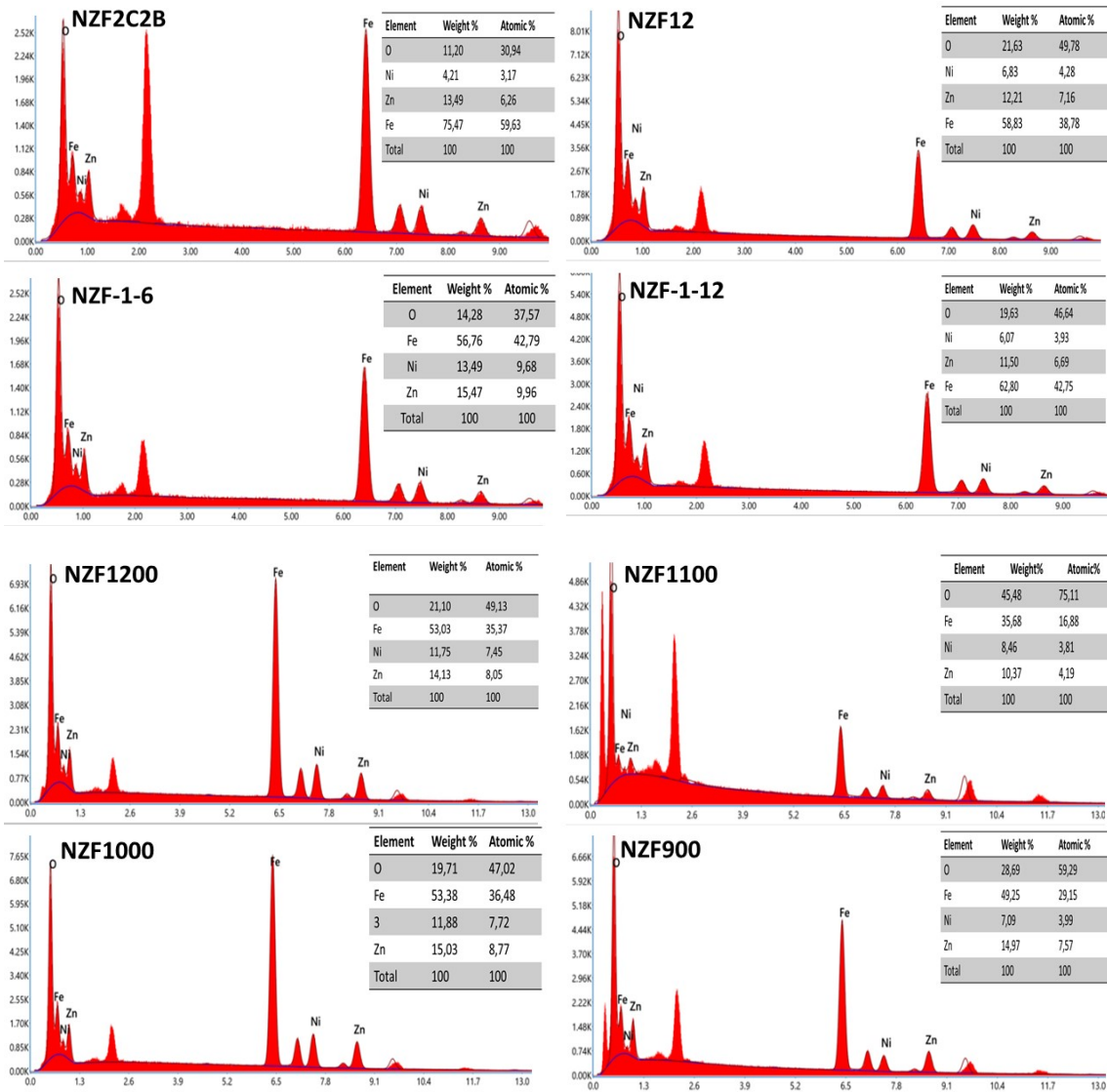
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28 **I. Results and discussion**

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32 **Fig. S1: EDS elemental spectrum and quantification results**

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41 **Table S1:** Summary overview of magnetic parameters of nickel zinc ferrite ( $\text{Ni}_{0.5}\text{Zn}_{0.5}\text{Fe}_2\text{O}_4$ )  
 42 particles.

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<b>Sample's number</b>	<b>Samples</b>	<b>Ms</b>	<b>Mr</b>	<b>Hc</b>	<b>R</b>	<b>Tc</b>	<b>Mr/Ms</b>
<b>1</b>	<b>NZF 2C2B</b>	75.65	4.83	0.20	0.063	530.90	0.063
<b>2</b>	<b>NZF C12</b>	76.90	5.81	0.06	0.075	541.12	0.075
<b>3</b>	<b>NZF-1-6</b>	76.10	0.78	0.02	0.010	539.62	0.010
<b>4</b>	<b>NZF-1-12</b>	64.88	4.47	0.04	0.068	541.56	0.068
<b>5</b>	<b>NZF 1200</b>	80.07	5.36	0.03	0.066	539.33	0.066
<b>6</b>	<b>NZF 1100</b>	70.72	7.39	0.08	0.104	473.45	0.104
<b>7</b>	<b>NZF 1000</b>	29.68	1.72	0.04	0.057	444.33	0.057
<b>8</b>	<b>NZF 900</b>	40.66	2.49	0.08	0.061	836.89	0.061

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