

## NIR Luminescence from Sol-Gel Er<sup>3+</sup> Doped SiO<sub>2</sub>:GeO<sub>2</sub> Transparent Gels, Nanostructured Powders and Thin Films for Photonic Applications

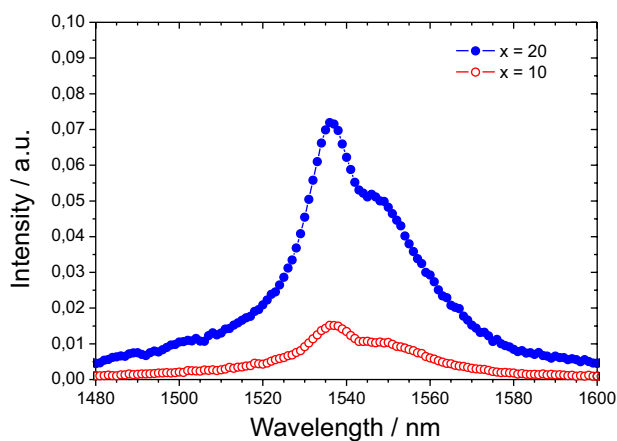
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**Figure S1.** PL emission spectra under 980 nm excitation for  $x = 10$  and  $20$ , doped with 1 mol% of Er<sup>3+</sup>, and heat-treated at 1100 °C. The laser power used was 50 mW from a diode laser. Same emission intensity relation among both samples and same spectral shape was observed in comparison to those collected under 488 nm excitation (Figure 7).