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Authors: Heena Sammi, Deepak Kukkar, Jaskaran Singh, Preeti Kukkar, Rajwinder Kaur, Harmanpreet Kaur, Mohit Rawat, Gurjinder Singh, Ki-Hyun Kim



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## Serendipity in Solution–GQDs Zeolitic Imidazole Frameworks Nanocomposites for Highly Sensitive Detection of Sulfide Ions

**Heena Sammi<sup>1,†</sup>, Deepak Kukkar<sup>1,4,†\*</sup>, Jaskaran Singh<sup>1</sup>, Preeti Kukkar<sup>1,2</sup>, Rajwinder Kaur<sup>1</sup>, Harmanpreet Kaur<sup>1</sup>, Mohit Rawat<sup>1</sup>, Gurjinder Singh<sup>3</sup>, and Ki-Hyun Kim<sup>4\*</sup>**

<sup>1</sup>*Department of Nanotechnology, Sri Guru Granth Sahib World University, Fatehgarh Sahib - 140406, Punjab, India.*

<sup>2</sup>*Department of Chemistry, Sri Guru Granth Sahib World University, Fatehgarh Sahib - 140406, Punjab, India.*

<sup>3</sup>*Department of Electronics Engineering, Sri Guru Granth Sahib World University, Fatehgarh Sahib - 140406, Punjab, India.*

<sup>4</sup>*Department of Civil & Environmental Engineering, Hanyang University, 222 Wangsimni-Ro, Seoul 04763, Republic of Korea.*

\*Correspondence: deepakukkar@gmail.com, kkim61@hanyang.ac.kr

### Graphical Abstract

An innovative and facile sensing approach for solution-based sensing of sulfide ( $S^{2-}$ ) anions using nanocomposites of europium doped Graphene Quantum Dots (GQDs:Eu) with Zeolitic Imidazole Frameworks (ZIF-8) has been reported. These nanocomposites are thus demonstrated as an efficient platform for solution-based sensing of  $S^{2-}$  ions with high reproducibility and selectivity.

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