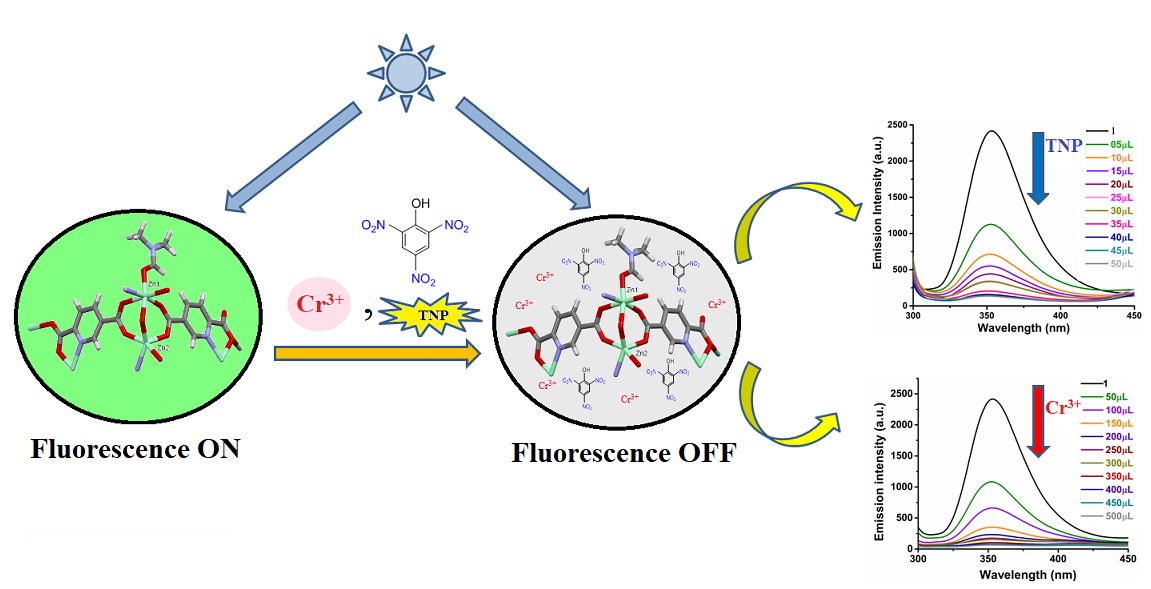
**GRAPHICAL ABSTRACT**

A fluorescent MOF **Zn-MOF-1** is synthesized, characterized and employed for detection of Cr3+ TNP in aqueous media.

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