

Research Highlights

- Carbon dots (C-dots) possess stable photoluminescence (PL) from the ultraviolet to near-infrared (NIR) region.
- The inherent properties (multicolor fluorescence, resistance to photobleaching, and biocompatibility) of C-dots make them suitable for diagnostics.
- Catalytic and biological activities of C-dots show their potential in therapeutics.
- Theranostics using various C-dots based platforms has been realized.