



Different molecular single crystal-based micro-resonator with advanced photonic applications

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The present patented invention relates to a micro-resonator comprising a molecular single crystal, wherein the molecular single crystal comprises organic molecules or inorganic molecules. In supervision of professor Rajadurai Chandrasekar, Functional Molecular Nano/Micro Solids Laboratory, School of Chemistry, University of Hyderabad, Hyderabad earlier demonstrated that tiny crystals could be lifted and moved with precision and control using atomic force microscopy. With further modification, they identified that the molecular single crystals of predetermined shape and geometry, suitable to act as micro-resonators can be fabricated by focused ion beam (FIB) milling method and the micro-resonators comprise different molecular single crystals that are useful in several photonic applications. *Read more* (<https://herald.uohyd.ac.in/nanophotonics-uoh-scientists-manipulate-tiny-crystals/>)

