

# Nano Crystal # 5

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Mr. Shabir Ahmad Akhoon did his masters from university of Kashmir in 2009. He, later, worked as a lecturer in the department of Physics, National Institute of Technology Srinagar from 2009 to 2011. In the year 2012, he was admitted for the doctoral degree at National Institute of Technology Srinagar in the faculty of science. He did his research in the field of “nanotechnology and energy”, under the theme of “Synthesis and characterization of metal oxide nanostructures and their energy applications”. His research has been published in the peer reviewed journals of high repute.

His core interests of research areas are: benign synthesis of nanostructures, nanostructured dye-sensitized solar cells and nanostructured lithium-ion batteries.

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3. **Akhoon, S. A.**, Rubab, S., & Sachin, K. C. (2016). Oxidative-Etching Modified Sol-Gel Synthesis of ZnO Nanorods. *Advanced Science Letters*, 22(1), 212-215.
4. **Akhoon, S. A.**, Rubab, S., & Shah, M. A. (2015). A benign hydrothermal synthesis of nanopencils-like zinc oxide nanoflowers. *International Nano Letters*, 5(1), 9-13.
5. **Akhoon, S. A.**, Rubab, S., & Shah, M. A. (2015). A Review of Various Nanostructures to Enhance the Efficiency of Solar-Photon-Conversions. In *Nanotechnology Applications for Improvements in Energy Efficiency and Environmental Management* (pp. 277-312). IGI Global.