

PERSONAL PROFILE

Anupama M is currently working as an Assistant Professor in the department of Physics and has eleven years of teaching experience.

ACADEMIC PROFILE

- M.Sc Physics: Kannur university
- B.Ed : Calicut university.
- SET, NET

CAREER PROFILE

- Eleven-year experience as permanent faculty of Physics, NSS College Manjeri (21-02-2014 onwards)

REFEREED JOURNAL PUBLICATIONS:

- 1.Multi-functional carbon dots for visual detection of picric acid and white-light emission-
Materials Research Bulletin
- 2.Selective etching of Aluminium towards the synthesis of AlB₂ derived aqueous dispersion of luminescent boron-based Nanosheets-*Applied Physics A*
3. Hafnium diboride: A notable solid-state material for efficient Photothermal Conversion-
New Materials, Compounds and Applications
- 4.Analysis of Titanium Monocarbide Quantum Dots Synthesized via Cryo-Assisted Fragmentation as Potential Photothermal Agents for Cancer Hyperthermia-*Frontiers in Health Informatics*
5. Effect of post- deposition by UV irradiation on chemical bath deposited tin sulfide thin Films- *Applied Physics A*

PATENT GRANTED

- 1.Method of synthesizing oxalate functionalized niobium monocarbide nanosheets for efficient photothermal conversion and light-triggered chemical reactions
- 2.Fabrication method of vanadium monocarbide nanosheets as efficient anode catalysts for single-chamber microbial fuel cells
3. A method for fabrication of pristine vanadium monocarbide quantum dots for reduction of nitrobenzene