

# FACULTY PROFILE

## MR. MOHD FAISAL

Assistant Professor of  
Physics, JKHED



### ABOUT ME

Hails from Village  
Dodsan Bala,  
ThanaMandi, Rajouri,  
J&K, India

### EDUCATION

#### Ph.D. Physics- Pursuing

University of Jammu

#### M.Sc. Physics

University of Jammu 2016-18

#### Graduation

GGM Science College Jammu.

### PORTFOLIO

- UGC-CSIR, NET JRF-SRF 2018
- JKSET, 2023
- GATE : 2019

#### Research Interest

Nuclear Theoretical Physics.

### Publications

1. Study of normal deformed bands in light lutetium isotopes  
Mohd Faisal, Rani Devi, S.K. Khosa, G.H. Bhat and J.A. Sheikh  
Nuclear Physics A 1030 122572 (2023)
2. Microscopic study of normal deformed bands in  $^{167,169,171}\text{Lu}$   
Mohd Faisal, Rani Devi, S.K. Khosa, G.H. Bhat and J.A. Sheikh  
International Journal of Modern Physics E 8 2350041 (2023)

# ACADEMIC PORTFOLIO

## LAST 5 YEARS

- 1. Study of negative parity band structures in  $^{167}\text{Lu}$  **Mohd Faisal** and Rani Devi Proc. of DAE symposium on Nuclear Physics Vol. 64 (2019)
- 2. Study of alignments in normal deformed bands of  $^{165}\text{Lu}$  **Mohd Faisal** and Rani Devi Proc. of DAE symposium on Nuclear Physics Vol. 65 192 (2021)
- 3. Study of excitation energy spectra of  $^{153}\text{Gd}$  **Mohd Faisal** and Rani Devi Proc. of DAE symposium on Nuclear Physics Vol. 66 (2022)
- 4. Theoretical study of band structure in odd-odd  $^{168}\text{Lu}$  **Mohd Faisal** and Rani Devi Proc. of DAE symposium on Nuclear Physics Vol. 67 249 (2023)
- 5. Projected Shell Model Analysis of Positive Parity Band Structures in  $^{173}\text{Lu}$  **Mohd Faisal** and Rani Devi JK Science Congress (JKSC-2025)
- 6. Theoretical investigation of rotational bands in  $^{173}\text{Lu}$  **Mohd Faisal** and Rani Devi National Conference on Advances in Applied Physics (NCAAPS-2025)

## CORE SKILLS

Nuclear Structure Physics  
Projected Shell Model  
Quantum Mechanics & Electrodynamics  
Curriculum Development  
Student Mentoring  
Scientific Writing & Presentation