CURRICULUM VITAE (CV)

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Firdous Ahmad Khan
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Educational and working details:

I completed my Ph.D in 2018 from Variable Energy Cyclotron Centre (VECC), DAE, Govt. of India 1/AF Bidhan Nagar, Kolkata and University of Kashmir, Hazratbal, Srinagar. During my Ph.D at the Department of Physics, University of Kashmir and VECC, my research work was focused on the production (and comparison) of radioactive ion beams (RIBs) through photo-fission and proton-fission of U-238 and design of an integrated converter-target system for photo-fission using a 50 MeV e-linac for use in the upcoming ANURIB facility at Kolkata. I was the first who predicted (and estimated at first) the photo-fission (contribution) of U-238 tamper in the *Trinity Test*. The results were published in Scientific Reports (Nature Publishing Group), referenced in Wikipedia and cited in a book published online by Cambridge University Press. My research interests are high energy density and high-pressure physics and physics education.

I joined Higher Education Department in August, 2016 and have 17 international and 10 national publications to my credit. Besides, I have attended more than 40 conferences/workshops and short term courses.

Book(s):

1. *Doctoral Research of Some Famous Scientists*, Firdous Ahmad Khan. **ISBN:** 978-81-947760-0-0. **Publisher:** Rathore Academic Research Publications, New Delhi, India.

Awards/Scholarships:

- Qualified JRF/NET - Joint CSIR-UGC Test for Junior Research Fellowship and Eligibility for Lectureship.
- Qualified Graduate Aptitude Test in Engineering (GATE) - 2011.
- Qualified J & K State Eligibility Test (SET) for Lecturership – 2013, conducted by UGC.

Membership:

- Compressed Baryonic Matter (CBM) Experiment at FAIR, GSI, Germany from 2011 – 2019.

The above details are true to the best of my knowledge.

Firdous Ahmad Khan