

## CURRICULUM VITAE

**Name:** Qudsia Gani  
**Designation:** Assistant Professor (Senior Scale)  
**Current Position:** **Head, Dept. of Physics GDC Pattan**

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**Contact nos:** 9797702166 (Office)

**Highest Qualification:** Ph. D

**Area of Specialization:** NeutrinoPhysics

**Competitions Cracked:** CSIR-NET/GATE/ JKPSC/ JKSSRB

**Research Skills:** Programming /Monte Carlo Simulations/ Latex-editing

GRACE /gnu-macs/ ROOTplotting

**Languages Known:** English, Urdu, Kashmiri

**Alma Mater:** University of Kashmir, Hazratbal Srinagar J&K-INDIA 190006

**Favourite Quote:** A diamond is a piece of charcoal that did well under pressure.

### ❖ **Work Experience:**

1. Faculty at department of Physics, Govt. College for Women, M.A. Road Srinagar (J&K)  
w.e.f 16-08-2016 to 06-11-2023

2. Head of the department of Physics at Govt. Degree College Pattan, Baramulla (J&K) w . e . f  
06-11-2023 till date



### ❖ **Student Mentorship Activities Undertaken:**

First college teacher of J&K [UT] to register an exam center at J&K Institute of Mathematical Sciences Gogji Bagh Srinagar for the conduct of following mentorship exams since 2019:

1. National Graduate Physics examination (NGPE),
2. National Standard Examination (NSE) in Physics
3. Olympiads for school students of J&K
4. Core member of KIMS group, an industry initiative to prepare students for various fellowship exams, Data Science and Machine Learning.

### ❖ **Contribution to MOOCs/ e-Content/ distance learning**

1. Academic Counselor at IGNOU for B.Sc Courses in Physics.
2. Created a YouTube Channel *Peering into Physics* for open online Physics Education

### ❖ **Memberships/ Awards/ Honors:**

1. Life member in Indian Physical Society (IPS) under membership ID LM/1163
2. Life member in Indian Physics Association, (IPA) at Tata Institute of Fundamental Research, Mumbai, under membership ID GEN/LM/13467
3. Life member in Indian Association of Physics Teachers, IAPT (kolkata) under membership ID11606-L7600
4. Member of Editorial Board in American Journal of Astronomy and Astrophysics.
5. Reviewer in American Journal of Modern Physics.
6. Regular columnist in **The Hindu** (Leading National Newspaper)
7. Regular columnist in **Greater Kashmir** (leading newspaper of J&K)
8. Won Best Paper Presentation (in Physics) in the 11<sup>th</sup> J&K Science Congress of 2015.

### ❖ **Invited talks/Guest lectures**

1. Invited Speaker at one day National Seminar on “Inter-disciplinary Research” at Govt. Degree College Tangmarg, (J&K), 24<sup>th</sup> March 2021
2. Invited Speaker at District Institute of Education and Training at Kulgam J&K on Pedagogical and content enrichment in teaching of Physics on 16<sup>th</sup> March 2023.

### Projects / Grants Sanctioned:

S. No	Funding Agency	Name of the host Institution	Topic	Duration	No. of Scholars enrolled	Status
1	JKST&IC 5.89 Lakh	Govt. College for Women M. A. Road Srinagar (J& k)	Neutrino Interactions: flux and cross section measurements	2 years	01	Completed
2	IUAC	GDC Pattan	Under communication			

#### ❖ List of Publications in International Journals

1. **Q. Gani** et al, Iranian Journal of Astronomy and Astrophysics, March 2024
2. M. Hameeda et al, *Int. Jr. of Mod Phy* **A37** (18) 1-27(2022).
3. **Q. Gani** et al, *SSRG(IJAP)***4,6**(2017),arXiv:1710.00749v1[hep-ph.], October(2017).
4. **Q. Gani** et al, *IOSR (JAP)***6**, 81-85 (2017).
5. W. Bari et al, *Jr.ofMod. Phy.***6**, 912-920 (2015)
6. W. Bari et al, *Acta PhysicaPolonicaB***46**, 239-250(2015)

#### ❖ List of Publications in National Journals

1. **Q. Gani**, *Journal of Research and Development* **23**, 80-89(2023)
2. **Q. Gani**, *Journal of Research and Development* **20**, 70-77 (2020)
3. W. Bari et al, *Jr. of Sc. Res. in Phy. & Math. Sci* **4**, 2 (2017)
4. **Q. Gani** et al, *Jr. of Sc. Res. in Phy. & Math. Sci* **2**, 11 (2015)
5. **Q. Gani** et al, *Jr. of Sc. Res. in Phy. & Math. Sci* **2**, 4 (2015)

#### Conference Proceedings

1. **Q. Gani** et al, Quasi-elastic Neutrino-nucleus Interactions published in DAE\_BRNS symp. on Nucl. Phys. 60 June (2015)
2. Muzamil A. Teli et al, Investigation of entropy generations in relativistic heavy ion collisions published in DAE\_BRNS symp. On Nucl. Phys. 60 June (2015)

#### Books/ Book Chapter published:

Statistical Approach to Study Neutrino Interactions, *Recent Review and research in Physics* Volume (5) ISSN no: 978-93-5570-702-4 AkiNik Publications. Book DOI: <https://doi.org/10.22271/ed.book.2220>