

Roohi Zafar

Department of physics

NEDUET, Karachi

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➤ ACADEMIC QUALIFICATIONS

Degree	Subject	Institution/Awarding body	Grade/ G.P	Year
Ph.D.	Spectroscopy	University of karachi	-	In progress
MS	Spectroscopy	University of karachi	3.9	2011
M.Sc.	Physics	University of karachi	1 st class 1 st position	2004
B.Sc(H)	Physics (H), Mathematics and statistics	University of Karachi	1 st class 3 rd position	2003
H.S.C	Pre-engineering	Sir Syed Govt. Girls college	1 st division	2000
S.S.C	Science	Dehli Govt. School	1 st division	1998

➤ PH.D. SYNOPSIS TITLE:

“Investigation of fine structure of praseodymium-I”

➤ MS. THESIS:

“Investigation of hyperfine structure of praseodymium-I in far infrared region”

➤ JOB EXPERIENCE:

13 years of teaching experience.

- 1st Jan 2005 -1st Nov 2006: worked as a co-operative teacher in the department of physics, university of Karachi.
- 1st March 2005 – 31st Oct 2006: worked as visiting faculty member in department of physics, SSUET.
- 1ST Nov 2006 – 13th mar 2018: As a lecturer in the department of physics, NEDUET.
- 13th March 2018 – to date: As an assistant professor, NEDUET.

➤ AWARDS:

- Was Awarded Philips gold medal on academic distinction in M.Sc in physics from university of Karachi, 2004.

➤ CONFERENCES/ WORKSHOPS/TRAINING ATTENDANT:

1. Attended LaTeX workshop organized by NEDUET.

2. Attended ITE workshop organized by HEC-NEDUET, 2011.
3. Presented a poster paper and attended national conference “physics and the world of today” held at department of physics, university of Karachi, 2011.
4. Presented a paper and attended national conference “physics and the world of today” held at department of physics, university of Karachi, 2009.
5. Training on “Research methodology” Held at NEDUET, 2009.
6. Training on, “presentation and communication skills” held at NEDUET, 2006’
7. Training on “role of teacher as an examiner and invigilator” held at NEDUET, 2006.
8. Attended international school on “Surface, thin film, nano structures and application” held at COMSATS information technology, Lahore, 2006.
9. Attended international nathiagali summer college, held at nathiagali, 2006.

➤ **PUBLICATIONS:**

1. Investigation of Pr-I lines by a simulation of there hyperfine patterns: Discovery of new levels
2012 J. Phys. B: At. Mol. Opt. Phys. 45205001, IOP Science
2. Composition related time dependent dielectric response of lithium ion conducting glasses.
Publish in Karachi university, journal of science, Volume 33 (I and II) july-december, 2005. PP.13-19.