

Curriculum Vitae

Dr. NEYAZ ALI

S/O: HAJI FIDA HUSSAIN

R/O: KAKO SHILIKCHEY KARGIL

DOB: 03/11/1988

Sex: Male

Official Address: Dept. of Physics, Elezier Memorial College, Leh
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Current Designation: Assistant Professor

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Ph.D. : Radiation dosimetry

Specialization in masters: Condensed Matter Physics

Qualifications: NET (2015), NET (2014), J&K SET (2013)

Academic Profile:

Examination	University/Board	Institute	Year	Percentage/CGPA
10 th (High School)	J and K board of School Education	Mutahhary Public School, Kargil	2005	63.8%
12 th (Intermediate)	J and K board of School Education	Govt. Boys Hr. Secondary School Kargil	2007	66%
B. Sc. (H) Physics (Graduation)	Delhi University	S.G.T.B Khalsa College	2010	61%
M. Sc. Physics	Indian Institute of Technology – Roorkee	Indian Institute of Technology – Roorkee	2012	7.79
Ph.D.	University of Delhi	Department of Physics and Astrophysics	2022	--

Courses Pursued:

Classical Mechanics, Classical Electrodynamics, Mathematical Physics, Semiconductor Devices, Quantum Mechanics, Nuclear and Particle Physics, Atmospheric Physics, Laser and Atomic Physics, Statistical Mechanics, Condensed Matter Physics, Nuclear Magnetic

Resonance, Advanced Characterization Techniques, Fibre & Nonlinear Optics, Quantum Field Theory, Advanced Condensed Matter Physics.

Publications, Conferences, Workshop and Webinar Attended

Publication in International Journals

1. NaLi₂PO₄:0.5mole%Eu³⁺ Phosphor used for Carbon Dosimetry; Neyaz Ali, P. D. Sahare, Martina saran, Manveer Singh; Journal of Atomic, Molecular, Condensed Matter & Nano Physics Vol. 9, No. 1, pp. 51-60, 2022; special issue: nuclear Track Detectors, Luminescence and Their Applications.
2. Optically Stimulated Luminescence in Eu Doped NaLiPO Phosphor: Studies on Effect of Particle Size; Bhuli Bai, P.D. Sahare, Manveer Singh, Martina Saran, Neyaz Ali; Journal of Atomic, Molecular, Condensed Matter & Nano Physics Vol. 9, No. 1, pp. 51-60, 2022; special issue: nuclear Track Detectors, Luminescence and Their Applications.
3. Dosimetry characteristics of NaLi₂PO₄:Ce³⁺ OSLD phosphor; P.D. Sahare, **Neyaz Ali**, N.S. Rawat, Shaila Bahl, Pratik Kumar; Journal of Luminescence 174 (2016) 22–28 ; <https://doi.org/10.1016/j.jlumin.2016.01.027>; (IMPACT FACTOR = 3.599 in 2021)
4. Luminescence and Dosimetric Characteristics of Microcrystalline SrB₄O₇:Eu³⁺ Synthesized by Solid State Diffusion Method; **Neyaz Ali**, P.D. Sahare, Avinash Rajendra Kachere, Prashant M. Kakade, Sanjay D. Dhole, N. T. Mandlik; Journal of Radioanalytical and Nuclear Chemistry. (Impact Factor = 1.371 in 2021)
5. Optically Stimulated Luminescence in NaLi₂PO₄:Tb³⁺ phosphor for its Application in Radiation Dosimetry; **Neyaz Ali** and P.D. Sahare. Journal of Radioanalytical and Nuclear Chemistry. (Impact Factor = 1.371 in 2021)
6. TL Study of NaLi₂PO₄:Ce³⁺ Phosphor Irradiated by 80 MeV C⁶⁺ Ion Beam; **Neyaz Ali** and P. D. Sahare; preceding of “National Conference on Advance Materials and Application” NCAMA – 2016 organized by Department of Physics, Fergusson College, Pune on 4th and 5th March 2016.

Paper Presented in Conferences and Workshops

1. Poster presentation on “OSL STUDY of Ag & C Swift Heavy Ion Beam on NaLi₂PO₄:Ce phosphor” in the National Conference on Luminescence and its Applications NCLA-2016 organized by Department of Physics, Rashtrasant Tukadoji Maharaj, Nagpur University, Nagpur.

2. Oral Presentation on “TL Study of $\text{NaLi}_2\text{PO}_4:\text{Ce}^{3+}$ Phosphor Irradiated by 80 MeV C^{6+} Ion Beam” in the “National Conference on Advance Materials and Application NCAMA - 2016” organized by Department of Physics, Fergusson College, Pune on 4th & 5th March 2016.
3. Oral Presentation on “OSLD Phosphor $\text{NaLi}_2\text{PO}_4:\text{Dy}^{3+}$ for Dosimetry Purpose” in the “National Workshop on Nanotechnology: Emerging Frontiers & Application” organized by Department of Physics & Chemistry Shyam Lal College, University of Delhi, Delhi, on 30th & 31st January 2017.
4. Oral Presentation on “ NaLi_2PO_4 Phosphor for Dosimetry” in the “National Conference on Materials for Sustainable Development and New Technology” organized by Department of Nano Science and Materials, Central University Jammu, Jammu, on 28th to 29th April 2017.
5. Presenting paper on “Dosimetry of High Energy Radiations using Some Rare Earth Doped Mixed Phosphate TLD Phosphor: A Review” in “International Conference on Material Research and Technology (ICMRT-2017)” organized by Aggarwal College Ballabgarh, Faridabad (Haryana), India, in association with Indian Society of Analytical Scientists-Delhi Chapter, during July 10-11, 2017.

Webinar Attended

1. Oral Presentation on “TL Study of $\text{NaLi}_2\text{PO}_4:\text{Eu}^{3+}$ Irradiated by 80 MeV C^{6+} Ion Beam” in the “21st National Conference on Solid State Nuclear Track Detectors and Applications SSNTS-21” jointly organized by Department of Physics, Ramjas College and Department of Physics & Astrophysics, University of Delhi on 29th to 31st January 2021.
2. Participating in Workshop on “On optics & Photonics: Theory & Computational Techniques (OPTCT)” conducted online and organized by Department of Physics, IIT Roorkee during 26-27 December 2020.

Research Experience:

- Masters project topic is ‘*Synthesis and Characterization of Polymer Ceramic Composite*’ under Dr. K.L. Yadav, Department of Physics, Indian Institute of Technology, Roorkee.
- BSc. Project topic “ *To prove the Peltier effect by using Fe and Tungstan thermocouple* ” under the guidance of Prof. Ravi Bhattacharjee, at SGTB kHalsa college

Academic Achievements:

- Awarded National Eligibility Test For Lectureship in 2015 and 2014.

- Awarded State Level Eligibility Test for Lectureship in 2014.
- Awarded the of NATIONAL GRADUATE PHYSICS EXAMINATION 2008-2009, among the top 10% in part A of examination out of 62 candidate,centre of exam Ramjas College, Delhi University, New Delhi.
- Awarded a certificate on the eve of 26th Jan 2008 by “OFFICE OF THE DEPUTY COMMISSIONER/CHIEF EXECUTIVE OFFICER KARGIL” for meritorious position in the annual board examination of class 12th.

Academic and Extra Curricular Activities & Achievements:

- Member of selection committee for engagement of guest faculty in Govt. Polytechnic college Leh/Kargil for the year 2023.
- Member of Skill Enhancement Course Committee of University of Ladakh 2022-23.
- Coordinator of Board of Studies of Physics, University of Ladakh.
- A certificate of appreciation by participating in the district level Project Presentation as Guide Teacher on the eve of 21th “NATIONAL CHILDREN’S SCIENCE CONGRESS—2013” organized by J&K Student Welfare Society Anantnag, held at Syed Mehdi Memorial Hall Kargil on 8th October 2013.
- A certificate of appreciation by participating in the Regional level Project Presentation as Guide Teacher on the eve of 21th“NATIONAL CHILDREN’S SCIENCE CONGRESS—2013” organized by J&K Student Welfare Society Anantnag, held at Burn Hall School Srinagar during 2nd & 3rd November 2013.
- A certificate from the *LIFE SAVER COMMUNITY* , by denoting Blood ,camp at IIT Roorkee, 2011
- **Certificate** of Appreciation, of Cognizes 2011, at IIT Roorkee.
- A certificate from “*Physics Association IIT Roorkee*” for participating in Football in annual Intra-departmental Sports, achievement as Winner during the session 2010-2011
- Attended the **National Symposium on Physics** held at Miranda House in 2009.
- Attended numerous other seminars on physics organized by SGTB Khalsa College, University of Delhi and IIT-Roorkee.
- A certificate from *THANG- TA ASSOCIATION* by succeeded a Bronze Medal, at District level.
- A certificate from *M. L. Hr. Secondary School Boys Kargil*, by participating in Independence Day, March Past Parade, held on 15-08-2005.
- A Certificate of Merit from *OFFICE OF THE CHIEF EDUCATION OFFICER KARGIL*, for feeling great pleasure in participation and good performance in the MARCH PAST PARADE held on 26-01-2003.

Areas of Interest:

Condense Matter Physics, Material Science, Radiation Physics and Astronomy.

Other Strengths:

Computer Languages and Software Packages: MS Office, MATLAB, Origin, PASCAL.

Tireless work ethic,

Languages Known:

Urdu, Hindi, English, Balti, Purky, Persian and can read fluent Arabic

