

Name: Atul Choudhary
Designation: Assistant Professor
Department: Physics
Mobile: 8219130742
Education Qualification: M.Sc Physics (Gold Medalist), SLET
Email: atulchoudharycuhp2013@gmail.com
College Served: Govt. Degree College Banjar



Workshops/training/RC/OP/FDP

1. Successfully completed two week **Refereshar Program in Physics** from Teaching Learning Center, Ramanujan College, Univ.of Delhi from 31-10-2022 to 14/11/2022.
2. Successfully completed **Orientation Programme** at **Human Resource Development Center, Karnatak University, Dharwad-580003** from 26-Feb-2021 to 18-March-2021.
3. Successfully completed **Annual Refereshar Program in Teaching** (ARPIT-2020) course through proctored exam held on 21-08-2021, *under CAS scheme on the topic, "Introduction To Quantum Physics and Its Applications" From 1st Dec 2020 to 31st March 2021 from IIT-Bombay*
4. Successfully completed **Induction training Programme** at **Govt College of Teacher Education** at **Dharamshala** from 01-May-2017 to 13-May-2017
5. Participated in a International webinar on the topic "**Open Science to leave no one behind**", organized by **International Center for Theoretical Physics (ICTP), Rome, Italy** in collaboration with **UNESCO** on 27th May 2021.
6. Participated in a webinar on the topic **Assesment and Accrediation Process of NAAC** on 28th May 2021, organized by GDC Kullu in collaboration with GDC Banjar and GC Haripur Manali.
7. Participated in national webinar on the topic, **Role of IQAC in NAAC Accreditation Process and Attainment Calculation** organised by **K.L.E.Society's Shri Shivayogi Murughendra Swamiji Arts, Science And Commerce College, Athani - 591304, Karnataka State** on 30-May-2021.
8. Participated in national webinar on the topic, **ISRO and Aerospace industry prospects and Tips to shape your career**, organised by **K.L.E.Society's Shri Shivayogi Murughendra Swamiji Arts, Science And Commerce College, Athani - 591304, Karnataka State** on 5-June-2021.
9. Participated in national webinar on the topic, "**Awareness, Precautions and Treatment for Covid -19 and Related Fungal Infections in Present Scenario**" organised by

K.L.E.Society's Shri Shivayogi Murughendra Swamiji Arts, Science And Commerce College, Athani - 591304, Karnataka State on 06-June-2021.

- 10. Participated in one day national webinar on the topic, "Role of Career Guidance and Placement Cell in Higher education institutes and its impact on the students, organized by the Gudleappa Hallikeri College, Haveri, Karnataka on 11-June-2021.**
- 11. Participated in one day national webinar on the topic, "Geoinformatics Technology & Career Opportunities, organized by Netra Institute of Geoinformatics Management & Technologies Foundation Dwarka, New Delhi, on 24-July-2021.**
- 12. Participated in two day national workshop on the topic, "Hands on Training on Microwave experiment (HTME-2022), organized by Kanoria PG Mahavidayla, Jaipur Karnataka on 18-19 Feb-2022.**
- 13. Participated in the DST sponsored preparatory SERC School on the "*Theoretical High Energy Physics*" from 02nd to 28th June, 2014 in *Birla Institute of Technology, Pilani Hyderabad Campus.***
- 14. Participated in the DST -SERC School on the topic "*Nuclear Structure on High Angular Momentum and Isospin*" held at **HBCSE Campus, Tata Institute of Fundamental Research, Mumbai** during October 5-24, 2014**
- 15. Participated in the *Poster Presentation* at the 59th DAE-BRNS Symposium on NUCLEAR PHYSICS during December 08-12, 2014 at *Banaras Hindu University, Varanasi.***
- 16. Participated in the workshop (under UGC Networking program) on "*Physics of particle, Nuclei and Related Instrumentation*" during January 27-31, 2015 at *Banaras Hindu University, Varanasi.***
- 17. Participated in DST-SERC School on "*Modern Theories of Nuclear Structure*" held at **Department of Physics, Indian Institute of Technology, Roorkee** during February 23-5 March, 2015.**
- 18. Participated in the *Poster Presentation* at the 60th DAE-BRNS Symposium on NUCLEAR PHYSICS during December 07-12, 2015 at *Satya Sai Institute of Higher Learning, Prasanthi Nilayam, Hyderabad (A.P).***
- 19. Participated in the *Poster Presentation* at the 61st DAE-BRNS Symposium on NUCLEAR PHYSICS during December 05-09, 2016 at *Saha Institute of Nuclear Physics, Kolkata.***
- 20. Participated in Three day Workshop on "Data Analysis and Data Mining" w.e.f 23th to 25th April, 2014 conducted by Prof. **BalKishan, Professor, Himachal Pradesh University, Shimla,** and organized by School of Business and Management Studies at TAB, Central university of Himachal Pradesh, Shahpur, District Kangra (H.P.).**
- 21. Participated in Linux workshop and passed an online exam on 12th April, 2012, conducted remotely from IIT Bombay, under the national Mission on Education through ICT, MHRD, Govt. of India.**

Research work and Publications:

- Title:** “The study of angular momentum on the fusion of $^{28}\text{Si}+^{28}\text{Si}$, using SEDF in semiclassical extended Thomas Fermi approach”
Journal: Nuclear Physics A, ELSEVIER (Refereed Journal)
[Nuclear Physics A 1035 \(2023\) 122672](#)
Year of Publishing: May, 2023
Authors: Atul Choudhary, V.K Nautiyal, et.al
ISSN: 0375-9474
Impact Factor: 1.558
available online at (doi): <https://doi.org/10.1016/j.nuclphysa.2023.122672>
- “Angular momentum effects in the fusion of $^{28}\text{Si}+^{28}\text{Si}$ system”**
Authors: Dalip Singh Verma and Atul Choudhary.
In the Proceedings of the DAE Symp. on Nucl. Phys. **61**, 478 (2016).
ISBN No: 81-8372-079-X
- “The fusion excitation function for a positive Q-value system at near and deep sub-barrier energies using Skyrme energy density formalism.”**
Authors: Dalip Singh Verma and Atul Choudhary.
In the Proceedings of the DAE Symp. on Nucl. Phys. **60**, 572 (2015).
ISBN No: 81-8372-077-03
- “Near and sub-barrier fusion for a proton rich system $^7\text{Be}+^{58}\text{Ni}$ using Skyrme energy density formalism.”**
Authors: Dalip Singh Verma and Atul Choudhary.
In the Proceedings of the DAE Symp. on Nucl. Phys. **59**, 600 (2014).