

Dr. Ankita Saxena (Ph.D. in Physics)

Email : ankitasaxena230@gmail.com
Mobile : +918439231829

TEACHING EXPERIENCE:

As a **Guest Faculty** in the Department of Aligarh, Aligarh Muslim University, Aligarh, U.P., 202002 for sessions 2021-22 and 2022-23.

EDUCATIONAL QUALIFICATIONS:

- **Ph.D. in Physics** (Topic: **Spectral Investigation of Multiply Ionized Silver Atoms: Ag II-V**), Department of Physics, Aligarh Muslim University, Aligarh 200202, India
- **M.Sc. Physics** (2012 - 2014) with 79.5% Department of Physics, Aligarh Muslim University, Aligarh 200202, India (**Batch Topper**)
- **B.Sc. (Hons.) Physics** (2009-2012) with 77% Department of Physics, Aligarh Muslim University, Aligarh 200202, India (**Batch Topper**)
- Intermediate (2008-2009) with 79% T.R.G. Inter College (U. P. Board), Aligarh 200201, India
- High School (2006-2007) with 65% T.R.G. Inter College (U. P. Board), Aligarh 200201, India

AWARDS AND FELLOWSHIP:

- **Inspire Fellowship recipient**, sponsored by Department of Science and Technology (DST), Government of India.
- Received "**University Medal**" and "**F.D. Murad Imamuddin Medal**" for standing first at the M.Sc. Physics Examination 2014.
- Received "**ALUMNI BEST STUDENT TO M.SC. (PHYSICS) STUDENT 2012-2013**" for scoring highest marks amongst the girls in the first and second semester examination of M.Sc. (Physics).
- Awarded by "**University Medal**" and "**Abdul Aziz Medal**" for securing highest marks in B.Sc. (Hons.) Physics Examination 2012.

FIELD OF RESEARCH:

- Atomic Physics, atomic structure analysis of neutral and ionized atoms

CONFERENCES/WORKSHOPS/SCHOOLS ATTENDED:

- International Conference on Atomic, Molecular, Optical and Nano Physics with Applications (CAMNP-2019), Delhi Technological University (DTU), Delhi during the December 18–20, 2019
- Joint ICTP – IAEA School on Atomic and Molecular Spectroscopy in Plasmas (smr 3275), ICTP, Trieste, Italy, May 6-10, 2019.
- 7th Topical Conference of the Indian Society of Atomic and Molecular Physics (ISAMP-TC7) at IISER/IIT Tirupati, 6th– 8th January 2018.
- Asian International Seminar on Atomic and Molecular Physics (AISAMP 13) jointly organize by IITB and TIFR Mumbai, during December 3-8 2018.
- The condensed course titled "Atomic Spectroscopy of Collisional and Radiative Processes in Astrophysical Plasmas" and computational workshop on "Superstructure &R-matrix codes" conducted by Prof. Sultana N. Nahar, The Ohio State University, USA at Dept. of Physics, A.M.U., Aligarh, February 25th-March 14th, 2018.
- TIFR School on Advances in Atomic Collisions (TISAAC 2017) at Homi Bhabha Centre for Science Education (HBCSE) Campus, Tata Institute of Fundamental Research (TIFR) Mumbai during March 05-March 18, 2017.
- Spectral investigation of triply ionized silver: Ag IV, 21st National Conference on Atomic and Molecular Physics (NCAMP XII) during January 3rd-6th, 2017at Physical Research Laboratory, Ahmedabad.
- A condensed course on "Atomic & Molecular Radiation Physics: Astronomy to Biomedicine" and workshop on "Superstructure & R-Matrix Codes" conducted by Prof. Sultana N. Nahar and Prof. Anil K Pradhan, The Ohio State University, USA at Dept. of Physics, A.M.U., Aligarh, February 10th-March 11th, 2014. Supported by Obama-Singh 21st Century Knowledge Initiative Award.

COMPUTER SKILLS:

Packages: MS Office, Origin, LOPT, Latex
Programming languages: Fortran, C++

PUBLICATIONS IN REFEREED JOURNALS:

- **S. Ankita** and A. Tauheed (2020). Spectral analysis of triply ionized silver (Ag IV). *Journal of Quantitative Spectroscopy & Radiative Transfer, 254,* 107193 (23 pp).

- **S. Ankita** and A. Tauheed (2018). Revised and Extended Analysis of Doubly Ionized Silver: Ag III. *Journal of Quantitative Spectroscopy & Radiative Transfer, 217,* 130-154.

- **S. Ankita** and A. Tauheed (2024). Spectral analysis of quadruply ionized silver (Ag V). *(Submitted).*

CONFERENCE/POSTER PRESENTATIONS:

- Spectral Analysis of four times ionized silver (Ag V), International Conference on Atomic, Molecular, Optical and Nano Physics with Applications (CAMNP-2019), Delhi Technological University (DTU), Delhi during the December 18–20, 2019.
- Spectral analysis of moderately ionized silver ions (Ag III-Ag V), Joint ICTP – IAEA School on Atomic and Molecular Spectroscopy in Plasmas (smr 3275), ICTP, Trieste, Italy, May 6-10, 2019.
- The spectrum of Ag III, Asian International Seminar on Atomic and Molecular Physics (AISAMP 13) jointly organize by IITB and TIFR Mumbai, during December 3-8 2018.
- The spectrum of doubly ionized silver: Ag III, 7th Topical Conference of the Indian Society of Atomic and Molecular Physics (ISAMP-TC7) at IISER/IIT Tirupati, 6th– 8th January 2018.
- Spectral investigation of triply ionized silver: Ag IV, 21st National Conference on Atomic and Molecular Physics (NCAMP XII) during January 3rd-6th, 2017at Physical Research Laboratory, Ahmedabad.

OTHER ACTIVITIES:

- Awarded by Second prize in Research Paper Poster Presentation Competition held at Department of Physics, Aligarh Muslim University, Aligarh on the occasion of National Science Day Celebrations-2020.
- Awarded by Consolation prize in the oral presentation of scholars held at Department of Physics, Aligarh Muslim University, Aligarh on the occasion of National Science Day Celebrations-2016.

PROFESSIONAL MEMBERSHIP:

- Indian Society of Atomic and Molecular Physics (ISAMP)

DECLARATION:

I solemnly declare that all the above information is correct to the best of my knowledge and belief.



Dr. Ankita Saxena

Date-09/02/24