



## Faculty Profile on University Website

www.mjpru.ac.in

Title	Dr.	First Name	ABID	Last Name	HUSAIN	Photograph
Designation	Faculty Member					
Department	Applied Physics					
Address	Department of Physics MJPRU, Bareilly					
(Campus)						
(Residence)						
Phone No	7351505160					
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Mobile	7351505160					
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Email	<a href="mailto:abidhusainraza@gmail.com">abidhusainraza@gmail.com</a>					
Web-Page	<a href="https://physics.nist.gov/cgi-bin/ASBib1/Elevbib/make_query.cgi?author=A.%20Husain&amp;order=1&amp;setspans=1">https://physics.nist.gov/cgi-bin/ASBib1/Elevbib/make_query.cgi?author=A.%20Husain&amp;order=1&amp;setspans=1</a>					
Educational Qualifications (Graduation Onwards) (Included NET/JRF/GATE/JEST or other exams))						
Course/Degree	Institution	Year	Details/Thesis Topic/Subjects			
Course/Degree	Institution	Year	Details/Thesis Topic/Subjects			
Ph.D	Aligarh Muslim University Aligarh	2020	Physics			
M.Phil	Aligarh Muslim University Aligarh	2015	Physics			
M.Sc.	Aligarh Muslim University Aligarh	2011	Physics			
B.Sc.	M.J.P.K University Bareilly	2009	Physics ,Math			
CSIR NET	CSIR	2017	Physics			
CSIR NET	CSIR	2018	Physics			
GATE	MHRD	2016	Physics			
GATE	MHRD	2015	Physics			
Career Profile						
Organization / Institution	Designation	Duration	Role			
M.J.P. Rohilkhand University, Bareilly	Guest Faculty	December to June 2021	Teaching and other departmental activiti			
Aligarh Muslim University Aligarh	Teaching Assistant /Research Scholar	2106-2019	Teaching Assistant			
Research Interests / Specialization- Atomic Physics						

- ✓ Critical evaluation of atomic data
- ✓ High resolution spectroscopy: Atomic Structure
- ✓ Spectral study of Highly Charged Ions(HCI) using accelerators Spectroscopy with Lasers

#### Teaching Experience (Subjects/Courses Taught)

- ↗ Quantum Mechanics
- ↗ Atomic Physics
- ↗ Laser Physics
- ↗ Electrodynamics
- ↗ Experimental Spectroscopy
- ↗ Modern Physics

#### Honors & Awards

#### Publications /Academic Activities (Numbers Only)

Books & Monographs (Single Author)		Research Papers Published in International Journals =3		Papers Presented in Seminars/ Conferences =5		Seminars/ Conferences Organized=N O		Research Projects (Completed)= NO
Books (Co-authored)		Research Papers Published in Other Journals=NO		Seminar/ Conferences Attended=8		Workshops Organized=2		Research Projects (Ongoing)=NO
Books (Edited)		Articles Published in Popular Fora, e.g., Websites, Blogs, Newspapers, Magazines etc.=NO		Sessions Chaired in Seminars/ Conferences=NO		Membership of Academic/ Professional Bodies=NO		Foreign Countries Visited for Academic Assignments=NO
Chapters in Edited Books				<b>Resource Lectures</b> Delivered=No				

Details of Publications /Academic Activities (2010 Onwards)

(a) Books / Monographs

Year of Publication	Title	Publisher	ISBN	Co-Author (s) (if any)
	No	NO	-	

(b) Papers Published in Indexed/ Peer Reviewed Journals

Year of Publication	Title	Journal	ISSN/ Indexing	Co-Author (s) (if any)
2020	Critically Evaluated Energy Levels, Wavelengths, Transition Probabilities, and Intensities of Six-Times Ionized Cesium:CsVI	Journal of Quantitative Spectroscopy & Radiative Transfer	0022-4073	3
2020	The Multi-configuration Dirac-Hartree-Fock Calculations for Cs VII	Journal of Atomic, Molecular, Condensate & Nano Physics	2582-8215	2
2018	First Spectrum of Tungsten	Journal of Atomic, Molecular, Condensate & Nano Physics	2582-8215	2

1. (c) Articles

2. **Abid Husain**, S. Jabeen, A. Wajid “Study of odd parity configurations in neutral tungsten” AIP Conference Proceedings 1953, 130015 (2018); doi:10.1063/1.5033159.
3. **Abid Husain**, S. Jabeen, A. Wajid “The spectrum of singly ionized tungsten” AIP Conference Proceedings 1953, 140079 (2018); doi: 10.1063/1.5033254.
4. A. Wajid, S. Jabeen, **Abid Husain** “Energy levels and life times calculations of Mo XXXI”, AIP Conference Proceedings 1953, 140130 (2018); doi: 10.1063/1.5033305
5. A. Wajid, S. Jabeen, **Abid Husain** “Ab initio MCHF Structural Calculations of Mg-like Cerium” AIP Conference Proceedings 1953, 140069 (2018) doi.org/10.1063/j.cpc.2007.06.002
6. **Abid Husain**, S. Jabeen “Systematic Calculation of Seventimes Ionized Cesium” Published in AIP Conference Proceedings. <https://doi.org/10.1063/1.5122468>

(d) Seminar/Conference Presentations

**PAPERS PRESENTED IN NATIONAL/INTERNATIONAL CONFERENCES:**

1. **Abid Husain** and S. Jabeen, “Systematic Calculation of Seventimes Ionized Cesium”, International Conference on Advances in Basic Science, Feb. 7-19, 2019, organized by GDC Memorial College, Bahla District Bhiwani, India.
2. **Abid Husain** and S. Jabeen “Study of excited even configurations of cesium” Seven National Conference on Advances in Spectroscopy Techniques and Materials March 14-16, 2018, organized by Department of Applied Physics Indian Institute of Technology (Indian School of Mines) D

hanbad.

3. **Abid Husain**, S. Jabeen "Study of odd parity configurations of cesium seven" National Conference on Advances in Spectroscopy Techniques and Materials March 14-16, 2018 organized by Department of Applied Physics Indian Institute of Technology (Indian School of Mines) Dhanbad.
4. **Abid Husain**, S. Jabeen and Abdul Wajid "Study of odd parity configurations in neutral tungsten" International Conference on Condensed Matter & Applied Physics (ICC 2017)-24-25 Nov 2017 organized by Govt. Engineering College, Bikaner.
5. **Abid Husain**, S. Jabeen and Abdul Wajid "The spectrum of singly ionized tungsten" International Conference on Condensed Matter & Applied Physics (ICC 2017)-24-25 Nov 2017 organized by Govt. Engineering College, Bikaner.
6. Abdul Wajid, S. Jabeen, **Abid Husain** "Energy levels and life times calculations of MoXXXI" International Conference on Condensed Matter & Applied Physics (ICC 2017)-24-25 Nov 2017 organized by Govt. Engineering College, Bikaner.
7. Abdul Wajid, S. Jabeen, **Abid Husain** "Ab initio MCHF Structural Calculations of Mg-like Cerium" International Conference on Condensed Matter & Applied Physics (ICC 2017)-24-25 Nov 2017 organized by Govt. Engineering College, Bikaner.

(e) Resource Lectures Delivered

**NO**

(f) Seminars/Conferences/Workshops Organized

1. Condensed course on "Atomic & Molecular Radiation Physics: Astronomy to Bio medicine" and Workshop on "Superstructure and R-Matrix Codes", Conducted by Prof. Sultan N. Nahar and Prof. Anil K. Pradhan, The Ohio State University, USA at Department of Physics, Aligarh Muslim University, Aligarh, during 10<sup>th</sup> February to 11<sup>th</sup> March, 2014, Supported by Obama-Singh 21st Century Knowledge Initiative Award.

(g) Public Service / University Service / Consulting Activity

**NO**

(h) Memberships of Academic/Professional Bodies

**NO**

Projects (With Title, Year, Grants, Funding Agency and Collaborations)

**NO**

Administrative Positions/Assignments Held

NO

Academic Foreign Visits

NO

Any Other Details

**The work on going**

The present work can be further extended to do intensity modulation of In I sequence ( $\text{Sb}^{2+}$ ,  $\text{Te}^{3+}$ ,  $\text{I}^{4+}$ ,  $\text{Xe}^5$   $\text{Ba}^{7+}$ ).

Critical evaluation of Energy Levels, Wavelengths, Transition Probabilities in Pd- like sequence ( $\text{Sb}^{5+}$ ,  $\text{Te}^{6+}$ ,  $\text{I}^{7+}$ ,  $\text{Xe}^{8+}$ ,  $\text{Cs}^{9+}$ ,  $\text{Ba}^{10+}$ ,  $\text{La}^{11+}$ ,  $\text{Ce}^{12+}$ ).

Signature of Faculty Member  
(in Hard Copy Only)

**Note: Please submit this file to E-mail ID: [rk@gmail.com](mailto:rk@gmail.com) through your own E-mail ID.**