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Designation		Professor				
Department		Physics & Astrophysics				
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Web-Page						
Education						
Subject	Institution		Year	Details		
Ph.D	Physical Research Laboratory, Ahmedabad		1991	Thesis topic: Studies of low energy anomalous and galactic cosmic rays in near earth space		
M.Sc	North Bengal University		1985	Subjects: Physics		
B.Sc	North Bengal University		1983	Subjects: Physics(Hons)		
Career Profile						
Organisation / Institution		Designation	Duration	Role		
Physical Research Laboratory, Ahmedabad		Post Doctoral Fellow	1991-93	Research		
Delhi University		Lecturer	1993-1998	Research, Teaching		
Delhi University		Sr. Lecturer	1998-2003	Research, Teaching		
Delhi University		Reader	2003-2006	Research, Teaching		
Delhi University		Associate Professor	2006-2011	Research, Teaching		
Delhi University		Professor	2011-	Research, Teaching		
Research Interests / Specialization						
Cosmic Rays, Space Physics, X-Ray Astronomy						
Teaching Experience (Subjects/Courses Taught)						
<u>Papers</u> Atomic & Molecular Physics Statistical Mechanics Electronics, E.M. Theory Astronomy & Astrophysics			<u>Labs</u> Electronics (final) Nuclear Physics (Final) Electronics (previous)			
Honors & Awards						

Best Paper award by Nuclear Track society of India, 1991
Best paper award by National Space Science Symposium, 1992

Publications (LAST FIVE YEARS)

Books / Monographs

<u>Year of Publication</u>	<u>Title</u>	<u>Publisher</u>	<u>Co-Author</u>
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In Indexed/ Peer Reviewed Journals

<u>Year of Publication</u>	<u>Title</u>	<u>Journal</u>	<u>Co-Author</u>
2008	Search for orbital motion of the Pulsar 4U 1626-67: Candidate for a neutron star with a supernova fall-back accretion disk	<i>Journal of Astrophysics and Astronomy</i> , 28, 175	Chetana Jain, Biswajit Paul, Kaustubh Joshi, Harsha Raichur
2008	Pulse Phase Dependence of the Magnetar Bursts	<i>Journal of Astrophysics and Astronomy</i> , 28, 185	Chetana Jain & Biswajit Paul
2008	Orbital evolution measurement of the accreting millisecond X-ray pulsar SAX J1808.4-3658	<i>Journal of Astrophysics and Astronomy</i> , 28, 197	Chetana Jain & Biswajit Paul
2009	Discovery of a short orbital period in the Supergiant Fast X-ray Transient IGR J16479-4514	<i>Monthly Notices of the Royal Astronomical Society (Letters)</i> , 397, L11	Chetana Jain & Biswajit Paul
2009	Orbital and spin period evolution of LMXB 4U 1822-37	<i>Bulletin of Astronomical Society of India</i>	Chetana Jain & Biswajit Paul
2009	Orbital X-ray modulation study of three supergiant HMXBs	<i>Research in Astronomy Astrophysics</i> , 9, 1303, IOP	Chetana Jain & Biswajit Paul
2010	Spectral and temporal changes associated with flux enhancement in 4U 1626-67	<i>Monthly Notices of the Royal Astronomical Society</i> , 403, 920	Chetana Jain & Biswajit Paul

2011	New measurement of orbital and spin period evolution of the accretion disc corona source 4U 1822-37	<i>Monthly Notices of the Royal Astronomical Society</i> , 409, 755	Chetana Jain & Biswajit Paul
2014	Astrophysical Signatures of Scalar-Photon Interaction.	<i>European Academic Research, Vol-II, Issue 9</i> , 12451-12483	M.K.Jaiswal, A.K.Ganguli, S.Mondal & S.Awasthi
2017	Indication of a massive circumbinary planet orbiting the Low Mass X-ray Binary MXB 1658– 298	<i>Monthly Notices of the Royal Astronomical Society</i> , 468, L118-L122	Chetana Jain , Biswajit Paul , Rahul Sharma & Abdul Jaleel
2018	Thermonuclear X-ray burst of MXB 1658-298 with NuSTAR	<i>Journal of Astrophysics and Astronomy</i> , 39, 16	Rahul Sharma, Abdul Jaleel, Chetana Jain , & Biswajit Paul ,

Conference Presentations

1. Strong CP problem and axion phenomenology

Awasthi, Sikha; Ganguly, A.K.; Jaiswal, M.K. and Dutta, A.

Dec 2013; p. 834-835; 58. DAE-BRNS symposium on nuclear physics; Mumbai (India); 2-6 Dec 2013

2. Orbital decay of the low mass X-ray binary MXB 1658-298 and indication of a massive circumbinary planet from X-ray eclipse timing.

Chetana Jain, Biswajit Paul, Rahul Sharma, Abdul Jaleel and Anjan Dutta

XXXV Meeting of Astronomical Society of India, Jaipur, 6 - 10 March, 2017

3. Spectroscopic study of the dipping behaviour of MXB 1658-298 with XMM-Newton.

Rahul Sharma, Abdul Jaleel, Chetana Jain, Biswajit Paul and Anjan Dutta

XXXV Meeting of Astronomical Society of India , Jaipur, 6 - 10 March, 2017, SG-2

4. Spectroscopic study of faint X-ray Pulsators.

<p><i>Abdul Jaleel, Rahul Sharma, Chetana Jain, Biswajit Paul and Anjan Dutta</i> XXXV Meeting of Astronomical Society of India, Jaipur, 6 - 10 March, 2017, SG-13</p> <p>5. Study of the thermonuclear X-ray bursts of MXB 1658-298 with Nustar. <i>Rahul Sharma, Abdul Jaleel, Chetana Jain, Biswajit Pual, Anjan Dutta</i> RETCO - III, 2017, June 5-7: IIST, Thiruvananthapuram</p> <p>6. Spectroscopy of MXB 1658-298 in two accretion states during recent outburst. <i>Rahul Sharma, Abdul Jaleel, Chetana Jain, Jeewan C. Pandey, Anjan Dutta</i> ASI 2018, 5-9 Feb : Osmania University, Hyderabad</p> <p>7. Phase resolved spectroscopy of Cyg X-3 using High Resolution Grating Spectra and NuSTAR observations. <i>Abdul Jaleel, Sabyasachi Pal, Rahul Sharma, Anjan Dutta, Chetana Jain</i> ASI 2018, 5-9 Feb : Osmania University, Hyderabad</p>
Total Publication Profile optional
<u>Books</u> 1
<u>In Indexed/ Peer Reviewed Journals</u> 40
<u>Articles</u>
<u>Conference Presentations</u> 36
Public Service / University Service / Consulting Activity
Member Faculty of Science Conducting Entrance Exam. Conducting M.Sc, Exam Secrecy, Tabulation, Result of M.Sc. Exam Member of various other committee of the Department
Professional Societies Memberships
Associateship IUCAA Associateship COSPAR Life member Nuclear Track Society of India
Projects (Major Grants / Collaborations)
Other Details

(Signature of Faculty Member)

(Signature & Stamp
of Head of the Department)