

Dr Sharf Alam



Designation : Assistant Professor

Date of Birth : 17th June, 1953

Date of Joining : 3rd March, 1999

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Abu Fazal enclave- 2,

New Delhi -110025.

Academic Performance

S.No.	Year	Degree	Institution
(i)	1974	B.Sc.	Patna University
(ii)	1979	M.Sc.	IIT, Kanpur
(iii)	1980	Pre.Doctoral	IOP, Bhubneshwar
(ii)	1981	M.Phil.	Delhi University
(iii)	1987	Ph.D.	Delhi University

Employment Profile

S.No.	From	To	Position Held	Organisation
(i)	1988	1993	Research Associate	CSIR
(ii)	1993	1994	Honorary Research Associate	Jamia Millia Islamia
(iii)	1995	1999	Adhoc Lecturer	Jamia Millia Islamia
(iv)	1999	till date	Lecturer	Jamia Millia Islamia

Specialization

Theoretical High Energy Physics

Research Interest

string theory, string cosmology, black hole physics and supersymmetry.

Highlights of Important Contributions

Teaching Experience :

Mathematical Physics	P.G Classes	1991-93
Statistical Mechanics	P.G Classes	1993-94
		1996-97
Classical Mechanics	P.G Classes	1994-95
Mathematical Physics	M.Sc Electronics	1994-95
	I-IIInd Semester	
Advanced Quantum Mechanics	P.G Classes	1995-96
		1998-2000
		2001-03
Particle Physics	P.G Classes	1997-98
		2007- 08
		2009-10
		2010-11
Quantum Field Theory	P.G Classes	1998-99
		2000 - 01
		2003-07
Classical Electrodynamics	P.G Classes	2002-07
Advanced Mathematical Physics	P.G classes	2011(continuing) Third Semester
Nuclear Physics	U.G Classes	1992-93
Structure of matter	U.G Classes	1993-94
General physics	U.G Classes (Bio- Science)	1993-94
Instrumentation	U.G Classes	1994- 95

Elementary QM And Modern Physics.	U.G Classes	1995-96
Electricity and Magnetism	U.G Classes	1996-97 1999 - 2000 2003 – 04 2011-2012(continuing)
Mathematical Physics	U.G Classes	2007-08 2008-09 2009-10 2010-11

Publication Details

Total Publication Profile

Number of Papers published in refereed journals

· In India	
· Abroad	4

List of Publication

1. S. Alam and S.N. Biswas, "Neutrino-Luminosity in an Extended Electroweak gauge-Model". (Unpublished)
2. S. Alam, S.N. Biswas and Ashok Goyal, "Super Symmetry in second class weakcurrents". Phy. Rev. D30 (1984) 680,
3. S. Alam, S.N. Biswas and Ashok Goyal, "Anomalous Quadrupole moment of W in super symmetry". Physical Review D33, (1986) 168.
4. S. Alam, S.N. Biswas, Ashok Goyal and J.D. Anand, "Stellar energy Loss Through $e+e- \rightarrow \nu\bar{\nu} + e^+e^-$ " Physical Review D40 (1989) 2712.

Conferences/ Seminars/ Schools etc Attended

1. International Conference on Theoretical Physics,
Jan. 4-7, 1982, D.U, Delhi
2. Summer School on Theoretical High Energy Physics
April 1-20 ,1985, IIS Bangalore
3. Current trends in Particle Physics
March 1-8, 1986, Institute of Physics, Bubneshwar
4. UGC Instructional Conference, Dec, 4-24, 1986
University Of Madras
5. DST workshop on Particle Physics- SuperString Theory

- Dec. 13-24,1987 , IIT Kanpur
6. High Energy Physics Symposium, Dec. 5-9, 1988
Institute of Mathematical Science, Madras
 7. National Seminar On Particle Physics and Cosmology
March 10- 13, 1986, Indian association for the cultivation of science, Calcutta.
 8. Work Shop on Super Strings
Nov. 8-10,1986,Saha Institute of Nuclear Physics, Calcutta
 9. Winter School On Gravitation, Quantum Field and String theory.
Dec. 4-26, Institute of Mathematical science, Madras.
 10. Seminar On Functional analysis and its applications
Mathematics Department JMI
 11. IV – Conference of Indian society of Industrial and
Applied Mathematics
April 2-4, Mathematics Department,JMI
 11. Recent trends inn Nuclear, Particle and Condensed matter Physics
March 14-15,1997 Department of Physics JMI
 12. Developments in materials , High Energy and Nuclear Physics
JMI, 20-21, 2008
 13. Prospects and Problems of Gravitation and Cosmology
CTP, JMI , 29-30 Jan.
 14. Workshop HEP COS -2008
CTP, JMI 11- 12 March, 2008
 15. Non-linear dynamics
Pondicherry December 2010
 16. Trends in Quantum Field theory
BHU , 7-12 February, 2011

PhD Research Scholars:

- (1) Suhail Ahmad
- (2) Zaheer Abbas
- (3) Divyendu Priyadarshi

Research Project Supervised

- . String Theory
By Qutubuddin 2011-
- . Path Integral in Quantum mechanics
By Seema Jabi 2011-
- . Exact solutions of Einstein Equations
By Hadia Akhtar 2011-
- . Group Theory in Particle Physics
By Upendra Kumar , 2010-11

- . Gravitational Waves
 - By Pankaj 2008-09
- . Quantum Field Theory in Curved Spacetime
 - By Surendra 2008-09
- . Spontaneous Symmetry Breakdown and Gauge Fields
 - By Haroon, 2007-08
- . String Theory
 - By Sushmita, 2007-08
- . Black Hole
 - By Niharika Behera, 2007-08
- . Inflationary Model Of Universe
 - By Pukhrem Jugindro singh,2007-08
- . Re normalization group
 - By K. Sudhir Kumar,2006-07
- . Electro Weak Unification: The Standard model
 - By Sarika Chauhan,2006-07
- . Supersymmetry
 - By zaheer Abbas, 2005-06
- . String Theory
 - By Neeraj Kumar, 2005-06
- . Solitons, magnetic monopoles and Instantons
 - By Rahul Kashyap,2005-06
- . conformal Field Theory
 - By Himanshu, 2003-04
- . Introduction to T-duality and D- Brane
 - By L. Suraj Meetei, 2002-2003
- . Application of conformal Field TheoryIn String Theory
 - By Thingbaijam Jotin Singh, 2001-2002
- . String Theory
 - ByVidhya Bhushan 2000-01
- . Quantum Cosmology
 - By. Sanjeev Kumar Singh, 1999-2000
- . Supersymmetry
 - By Rakesh Joshi 1998-1999
- . Feynman's Path Integral and Its application in QM
 - By Devendra Kumar Prasad,1997-98
- . Freedmann Models: Homogeneous Cosmology
 - By Aas Mohammad Alvi 1997-98