

## DEPARTMENT OF PHYSICS

### Profile of the Faculty



#### General Information:

- 1) Name : **Dr.Chitralekha Alur**
- 2) Date of birth : 19: 08: 1966
- 3) Qualification : M.Sc. M.Phil, Ph.D
- 4) Address : Plot No.61&62, Laxmi Nivas,Raghoji Layout  
Om Nagar Sedam Road Gulbarga-585105
- 5) Contact No. :9481261964
- 6) Designation :Assistant professor
- 7) Department :**Physics**
- 8) Area of Specialization : **Nuclear and Energy Physics**
- 9) Academic Qualification ;

Exam Passed	Subject	Board/University	Year	Division/Grade
S.S.L.C		Karnataka Higher secondary Board, Bangalore	1982	First (66.83%)
PUC	PCMB, Kan, Eng.	Pre-University Education board, Bangalore	1984	First(65.83%)
Bachelor's Degree B.Sc.	Physics Mathematics Electronics	Gulbarga University Gulbarga	1987	First(70.66%)
Master's Degree M. Sc	Physics	-do-	1990	Second(56.83%)
M.Phil	Physics	Gulbarga University	2004	First (68.25%)
Ph.D.	Nuclear and Energy Physics	Gulbarga University	2013	

**10) Research Experience and Training:**

Sl. No	Research Stage	Title of Work/Thesis	University where the work Carried out
1	M.Phil	Mass Attenuation Coefficients of Saccharides In the low photon energy region	Gulbarga University, Kalaburagi
2	Ph.D.	Study of x-ray mass attenuation coefficient near absorption edges	Gulbarga University Kalaburagi
3	Post doctoral		
4	Publications (Give List separately)	List enclosed	
5	Research Guidance		
6	Training if Any (PLSpecify)		

**11) Teaching Experience:**

Course Taught	Name of the College	Duration
UG	S.B.college of Science,Gulbarga	1992-2000part-time,2000-2004full-time,2004 onwards Assistant Professor = 20years
PG		

12 Awards ;

### 13 Extension activities:

Sl.No.	Type of activity	Name of the College	Date/year
01	Indian Association of Physics Teachers	17 <sup>th</sup> IAPT Sharanbasveshwar College of Science, Gulbarga	14-11-2002
02	NSS Programme Officers	Sharanbasveshwar College of Science, Gulbarga	01-05-2014
03	NSS Advisory Committee Member	Gulbarga University, Kalaburagi.	23-07-2014 (3years)
04	Life Member	Indian Red Cross Society	19-10-2015 onwards
05	Life Member GUPCTA (Gulbarga University Private College Teacher Association(R)) Gulbarga	Gulbarga University Private College Teacher Association(R) Gulbarga	2004 onwards
06	Member,co-operative society,S. B. College of science ,Kalaburagi	S. B. College of science ,Kalaburagi	2006 onwards
07	Life Member	Karnataka Rajya Vignana Parishat, Bangalore	
08	BOS Member	Gulbaga University Kalaburgi	06-02-2013 (B.Sc IIIrd Sem ) & 5 <sup>th</sup> March 2017(UGC-CBCS)for UG
09	BOE Member	Gulbaga University Kalaburgi	15-02-2017 for B.Sc V&VISEM

10. Coordinator / Member of various committees of the college yearly.

11. College (Internal examination Theory/Practical) and University examination work (As a Invigilator, Practical examiner, Evaluator).

12. Assistance to Principal in administration work.

13. Discharged duty at S. B. Temple during Shravanamasa, Jatra Mahotsava.

**14) THE TRAINING PROGRAM/ WORKSHOP / SEMINAR / CONFERENCE**

**ATTENDED :**

Sl.No	Type of activity	Name of the Seminar/Conference /Symposia workshop, etc.,	Organised by	National /international	Duration	
					From	To
01	Seminar	Laser and Condensed Matter Physics	Sharnabasveshwer College of Science , Gulbarga	National	26-12-1998	30-12-1998
02	Seminar	Medicinal Plants	Sharnabasveshwer College of Science , Gulbarga	National	20-01-1999	22-01-1999
03	Seminar	Harnessing Solar Energy	Sharnabasveshwer College of Science , Gulbarga	National	11-03-2000	13-03-2000
04	Seminar	Major Landmarks in Physics of 20 <sup>th</sup> century	Department of Physics, Gulbarga University, Gulbarga	National	15-03-2000	15-03-2000
05	Workshop	Experiments With Lasers	Department of Physics, Gulbarga University, Gulbarga		23-01-2001	23-01-2001
06	Short Term Course	Microprocessor and Microcontroller based Instrumentation	WRIC, Mumbai,USIC And Applied Electronics Department,GUG		21-10-2002	26-10-2002
07	IAPT,XVII National Convention	Physics of Biomedical Instrumentation	Sharnabasveshwer College of Science , Gulbarga	National	14-11-2002	16-11-2002
08	Training	TQM-HRD in Higher Education	Sharnabasveshwer College of Commerce , Gulbarga		15-03-2003	17-03-2003
09	IAPT,Workshop	Experiments on Optics	Sharnabasveshwer College of Science and SBR Public School,Gulbarga		14-11-2003	15-11-2003
10	Regional Workshop	Concept of Alert Mother and Healthy Baby-APre-Requisite for Strong Nation	Godutai Doddappa Appa Arts and Commerce College for Women		19-03-2005	21-03-2005
11	Seminar	Advances in Materials Science	Department of Materials Science, Gulbarga University, Gulbarga		09-01-2006	10-01-2006
12	Awareness Workshop	The Facilities of UGC-DAE Consortium for	Department of Physics, Osmonia University,		04-03-2006	05-03-2006

		<b>Scientific Research</b>	<b>Hyderabad</b>			
13	Seminar	Radiation Technique in Food Preservation	Sharnabasveshwer College of Science , Gulbarga		12-11-2006	13-11-2006
14	Special Lecture Series	Special Lecture Series for PG Students of Physical Sciences	Department of Physics, Gulbarga University, Gulbarga		05-11-2007	07-11-2007
15	Conference	Recent Trends in Applied Sciences	Smt. Veeramma Gangasiri Degree College For Women	National	04-02-2009	05-02-2009
16	Seminar	X-Ray Diffraction Technique	Department of Postgraduate Studies and Research in Physics, Gulbarga University, Gulbarga	Nation al	02-03-2010	03-03-2010
17	Seminar	Radiation Physics	Department of Postgraduate Studies and Research in Physics, Gulbarga University, Gulbarga	Nation al	17-03-2011	18-03-2011
18	Swadehi Vignana Andolana	7 <sup>th</sup> Kannada Vignana Sammelana	Karnataka Science Congress		15-09-2011	17-09-2011
19	32 <sup>nd</sup> Annual Conference of the Association of Medical Physicists of India	Medical Physics Practice: Looking Beyond Technology	AMPICON, Christian Medical College, Vellore		16-11-2011	19-11-2011
20	Seminar	New Materias Research and Nano Technology	Government Arts College, Udhagamandalam, The Nilgiris, Tamilnadu ,India	National	12-09-2012	14-09-2012
21	Seminar	Food Security and Natural Resource Management	Faculty of Science & Technology, Gulbarga University, Gulbarga		08-10-2012	08-10-2012
22	Seminar	Condensed Matter and Materials Physics	Department of Postgraduate Studies and Research in Physics, Gulbarga University, Gulbarga	National	19-03-2013	20-03-2013
23	Seminar	Physics and	Sri	National	01-02-	01-02-

		Chemistry of Advanced Materials	Channabasaveshwar Arts,Science and Commerce College, Bhalki-Dist.Bidar-Karnataka		2014	2014
24	Seminar	Quality Consciousness & Culture in Higher Education	Smt. V,G.Degree College For Women,Gulbarga	National	21-02-2014	22-02-2014
25	Learning and Development Intervention	College for Leadership and Human Resource Development	S.S.K.Basaveshwar College of Arts and Science.Basavakalyan	CLHRD	09-08-2014	11-08-2014
26	Seminar	Quality Enhancement And Sustenance in Higher Education	NAAC,B'lore(Sponsored) Smt. Veeramma Gangasiri Degree College For Women	National	07-08-2015	08-08-2015
27	Workshop	Science and Society	Smt. V,G.Degree College For Women,Gulbarga		17-10-2015	17-10-2015
28	Seminar	Swami Vivekananda-A Great Visionary of Modern India	Nrupatunga First GradeCollege of Arts,Commerce,Management and Science,Sedam,Kalaburagi	National	19-02-2015	20-02-2015
29	Workshop	Involvement of Youth for Sustainable Growth in Science& Technology	Department of PG Studies, Sharnabasveshwer College of Science , Gulbarga	National	29-10-2015	30-10-2015
30	Conference	Evolving Trends and Challenges in Science Education & Research-an Exploration	Basaveshwar College of Commerce,Arts and Science,B'lore	National	29-01-2016	30-01-2016
31	Conference(KSTA)	Energy,Climate Change and Environment	The School of Earth Sciences, Central Universityof Karnataka,Kadaganchi,Kalaburagi			
32	Conference	Advances in Biodiversity,Science, Engineering and The Environment	M.S.Irani College of Arts Science &Commerce,Kalaburagi	National	17-02-2016	17-02-2016
33	Interaction Programme	Swami Vivekananda& Youth Empowerment			11-09-2016	11-09-2016

34	Workshop	Youth Red Cross Society	Indian Red Cross Society		06-03-2017	06-03-2017
35	Seminar	371(J)	Government First Grade College, Novbaad,Bidar	State	07-03-2017	
36	9 <sup>th</sup> International Conference	Recent Trends in Engineering,Science and Management	O.U Campus,Hyderabaad	Internati onal	18-06-2017	18-06-2017
37	International Conference	Recent Innovations in Engineering ,Applied Sciences and Management	IETE.Pankha Road,Janakpuri,New delhi,India	nternatio nal	10-09-2017	10-09-2017
38	12 <sup>th</sup> International Conference	Recent Trends in Engineering,Science and Management	O.U Campus,Hyderabaad	Internati onal	19-11-2017	19-11-2017
39	International Conference	International Conference on Internet of Things(IConIoT-2k17)	Sharnbasveshwar Vidya Vardhak Sangha	Internati onal	28 <sup>th</sup> Feb1st	March 2017
40	Workshop	Research Methodology	Govt.of Karnataka &Dept of Collegiate Education ,Govt College Kalburgi(Autonomus)	National	09-10-2017	11-10-2017
41	Training	HIV/AIDS Awareness Programme	District Aids Prevention And Control Unit		31-01-2018	31-001-2018
42	Conferance	Emerging India as a World Power	Sharnbasveshwar College of Commerce	National	11-03-2018	11-03-2018

**THE PAPERS PRESENTED AT NATIONAL/ INTERNATIONAL SEMINAR/  
CONFERENCE/ SYMPOSIA/ WORKSHOP ARE**

<b>Sl.No.</b>	<b>Title of the paper</b>	<b>Name of the Seminar/ Conference /Symposia workshop, etc.,</b>	<b>Name of the organizer</b>	<b>Duration</b>
01	Mass Attenuation Coefficients of Saccharides for Low Energy X-Rays	Radiation Physics and Chemistry-2005	ELSEVIER	
02	Determination of Effective Atomic Numbers of Saccharides in the Low Photon Energy Region	International Conference	AMPICON-2005	
03	Study of Bragg's Additivity Law near L-Absorption Edges	Proceedings	NSRP-2010	
04	Effect of EXAFS on the Dosimetric related Parameters	International Conference	AMPICON-2011	
05	Study of Non-Validity of Mixture Rule Near K-Absorption Edges by X-Ray Spectroscopic Technique	Journal of Nuclear Chemistry-		

**15. Books Written by faculty:**



**16. Refresher Courses/Orientation Programmes Attended:**

<b>Programmes (RC/OC)</b>	<b>Name of ASC / University</b>	<b>Duration</b>
Orientation Course	University of Hyderabad	<b>02-11-2005 to 29-11-2005</b>
Refresher Course	Jawaharlal Nehru Technological University Hyderabad	<b>05-03-2012 to 27-03-2012</b>
Refresher Course	Bangalore University	<b>27-03-2013 to 18-03-2013</b>
Refresher Course	University of Hyderabad	<b>05-11-2014 to 25-11-2014</b>
Training Programme for NSS Programme Officers	N.S.S..Empanelled Training Institution For Karnataka (South Region) Karnataka State Open University,Mukthagangotri, Mysore	<b>27-12-2014 to 02-01-2015</b>
Faculty Development Programme	B.N.M.Institute of Technology,Bangalore	<b>16-01-2018 to 20-01-2018</b>

**17). Major/Minor Research Projects Information:**

<b>Project (Major/Minor)</b>	<b>Title</b>	<b>Amount</b>	<b>Funding Agency</b>	<b>Duration</b>	<b>Remarks (Completed / Ongoing)</b>

**18). List of Research publications in (National / International) Journals:**

**19). Research papers published in refereed journals and its Impact factor by the faculty? If yes, give details for the last five years including citation index and impact factor.**