

Curriculum Vitae



Name & Designation : Prof.C.J.Sreelatha
Professor & Head
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Father's and Mother's Name: Sri.C.K.Janardhan and Smt.P.K.Rajamma

Date of Birth : 01/05/1965

Academic Qualifications:

Examination/Degree	Name of the Board/University	Month & year of award of the degree	Division	% of Marks
SSC	Holy Family High School, Kerala Board	1980	First	65
Intermediate	Pre degree-Kerala	1982	Second	55
Under Graduate	B.Sc.-Kerala	1985	First	64
Post-Graduate	M.Sc .Physics-Kerala	1987	First	66
Any other exam	PGDCA-InstituteofPublicEnterprises,Hyderabad	1988	Distinction	77
Ph,D	KakatiyaUniversity,Warangal	1997	Awarded	

Appointments held prior to joining in the Kakatiya University:

Designation	NameofEmployer	Dateof		Salarywith Grade	Reasonofleaving
		Joining	Leaving		
Computer programmer	Singereni Women's College Kothagudem	1989	1991		Forhigherstudies
Part-timeLecturer	Department of physics,UC,KU	1996	1999	20 Rs/Hour	ShiftedtoUASCS ubedari
ContractualLecturer	Department of Physics,UASC	1999	2005	8000/-	PermanentSelecti on

Posts held after appointment in the Kakatiya University:

Designation	Department	Date of actual joining		Grade
		From	To	
Assistant professor	Department of Physics, UPGC, GDK	21-06-2005		AGP6000
Principal	Department of Physics, UPGC, GDK	2007	2008	
NSS program Officer	Department of Physics, UPGC, GDK	2008	2009	
Lecturer-In charge	Department of Physics, UASC., Subedari	2009	2013	AGP7000
Assistant Professor (SG)	Department of Physics, UC, KU	21-06-2013	21-06-2014	AGP8000
Joint Director	Directorate of Admissions, KU	10-10-2013	10-08-2015	
Chairperson, BOS	Department of Physics, UC, KU	2017	2019	
Associate Professor	Department of Physics, UC, KU	2014	2017	AGP9000
Professor	Department of Physics, UC, KU	2020	Till date	AGP 10000
HEAD	Department of Physics, UC, KU	21-05-2021	Till date	
In-Charge CIC	CIC	15-02-2022	Till date	

Teaching Experience : 25 years (PG:15years;UG:10years)
Papers taught : Electronics, Materials Science, and Solid State Physics
Microprocessor, Microcontroller

Research:

Experience : 25 years
Specialization : Liquid crystals, Thinfilms, Materials Science
Publications : 30 (International Journals:19; National Journals:11)
No. of Ph..D. awarded : 02
No. of candidates registered for Ph. : 03

Books authored/edited : 1. B.Sc. Physics Practical manual for UG students

Work-shops, Conferences : 47; International (India) : 10 Seminars, etc attended
National: 35 (Annexure II-IV)

Research Projects completed : 01

Achievements/Awards : 1. Teacher fellow of IA Sc. 2005., Bangalore

Teachers' association : Vice-President AKUT 2020 – 21 AND

AKUT PRESIDENT : from 21-06-21 to 27-02-2022

Academic Positions:

- (i) **Member**, Syllabus Revision Committee for : Syllabus of Applied Physics for B.Tech.was revised Applied Physics (UG Engineering Courses) KU, Warangal (2019)
- (ii) **Dy.Coordinator**, UGC SAP-DRS-II, : Utilization of fund in the Dept. of Physics, KU (09/2/2017onwards)
- (iii) **Member**, BoS in Physics(PG) :Involving in curriculum design KU, Warangal (2015-17)
- (iv) **Member**, BoS in Physics& Electronics : Curriculum and syllabi of Physics & Electronics Chaitanya Degree College(Autonomous),were revised Hanamkonda, Warangal (2017-2019)
- (v) **Member** :Materials Science
- (vi) **Life Member** :Indian Association Physics teachers (IAPT)
- (vii) **In-Charge DIRECTOR, Central Instrumentation Center, KU** : Active
- (viii) **Advisory committee member** : IQAC,NAAC
- (ix) **Chairperson** : For Women abuse/ Anti-ragging in working place

ANNEXURE–I(ResearchPublications)

Year	S.No.	Title&Authors	Journal details	Impact Factor
2023	30	Impact of Solvents on crystal structure and surface morphological characteristics of wet chemical sol gel synthesized ZNO nano thin films	Rasayan J.Chem	Scopus 1.30
2023	29	Sol- gel synthesized ZNO thin films doped with Rb and Al for self cleaning antibacterial applications	Journal of sol-gel science and Technology, 105,683-693, Springer Nature	Scopus 2.606
2023	28	Application of Image Analysis using textures of Py14BA:nFA for Mesogen parameters	Rasayan- J.Chem	Scopus 1.30
2022	27	Designing Low-cost Arduino powered spin coater for thin film deposition	Advanced materials Research ISSN1662-8985TRANS TECH PUBLICATIONS,2022	UGC APPROVED

2022	26	Luminance and chrominance parameters through image analysis in ferroelectric liquid crystals	Liquid Crystals https://doi.org/10.1080/02678292.2022.2037764 Taylor & Francis group	2.5
2021	25	The effect of solution pH on structural, surface morphological, and optical characterization of ZNO thin films synthesized by the chemical bath deposition technique	Materials Today Proceedings ELSVIER https://doi.org/10.1016/j.matpr.2021.10.093	Scopus IF 1.24
2021	24	Fabrication and the impact of Fe and Al substitution on structural, morphological, vibrational and optical properties of Fe:Al co doping zinc oxide nanostructured thin films developed by Arduino based spin coating device	Materials Today Proceedings ELSVIER https://doi.org/10.1016/j.matpr.2021.12.215	Scopus
2021	23	Study on structural, morphological, optical, and luminescence properties of nickel oxide thin film synthesized by dip-coating technique	Materials Today Proceedings ELSVIER https://doi.org/10.1016/j.matpr.2021.11.378	Scopus
2021	22	Gossamer-like V ₂ O ₅ Thin Films for the Detection of Toxic Volatile Organic Compounds. Ravinder, G., Sreelatha C. J*, Nagaraju, P., Vijayakumar, Y., & Sreekanth, T. (2021).	<i>Journal of Scientific Research</i> , 13(2), 347-359. (UGC approved).	4.03
2021	21	Investigation of structural and luminescence properties of BaMgAl ₁₀ O ₁₇ :Eu ²⁺ +phosphor synthesized using auto combustion method Rao, P.C., Ravinder, G., Jyothisna, S., Manjula, G., Raju, B., & Sreelatha, C.J. (2021).	<i>Materials Today: Proceedings</i> .	1.24
2021	20	Synthesis and characterization of BaMgAl ₁₀ O ₁₇ :Eu ²⁺ +phosphor for efficient displays. Rao, P.C., Ravinder, G., Anusha, S., & Sreelatha, C. J. (2021, February).	<i>In AIP Conference Proceedings</i> (Vol. 2317, No. 1, p. 030017). AIP Publishing LLC	0.415
2021	19	Influence of MCCA on Structure and photoluminescence of Eu ²⁺ doped BaMgAl ₁₀ O ₁₇ :Eu ²⁺ nanophosphor for use in active displays. <u>P. Chandar Rao</u> , V. V. Jaiswal, Siju Mishra. etl	Chemical Physics Letters (Elsevier)	2.029
2021	18	Luminescence studies of high temperature phase of Ba _{0.99} MgAl ₁₀ O ₁₇ :Eu ²⁺ _{0.01} nanophosphor synthesized at low temperature. V.V. Jaiswal, <u>P. Chandar Rao</u> , C.J. Sreelatha, A.S. Sai Prasad and D. Haranath	Journal: Material Science & Eng. B (Elsevier),	[I.F. = 4.706]
2020	17	Unusual Red-Shift and Enhanced Photoluminescence of BaMgAl ₁₀ O ₁₇ :Eu ²⁺ +Phosphor Under Ultraviolet A Excitation for Modern Lighting Systems. Chandar Rao, P., Gupta, M., Jaiswal, V.V., Ravinder, G., Sreelatha, C.J., Hussain, K.A., ... & Haranath, D.	<i>Journal of Nanoscience and Nanotechnology</i> , 20(6), 3854-3858. [I.F.]	1.35

2019	16	Thickness-dependent structural, spectral, linear, nonlinear and z-scan optical studies of V ₂ O ₅ thin films prepared by a low-cost sol-gel spin coating technique. Ravinder, G., Sreelatha, C.J.*, Ganesh, V., Shkir, & Rao, P.C. (2019).	<i>Materials Research Express</i> , 6(9), 096403 [I.F.] (2020).	1.929
2019	15	Effect of annealing temperature on micro-structural, optical and electrical characterization of nanostructured V ₂ O ₅ thin films prepared by spray pyrolysis technique. Gandasiri, R., Sreelatha, C.J.*, Nagaraju, P., & Vijayakumar, Y.	<i>Physica B: Condensed Matter</i> , 572, 220-224. [I.F.] (2019).	1.902
2019	14	Synthesis and characterization of ZnO-nanorods by sol-gel method for white LED phosphors P.Chandar Rao, G.Ravinder, C.J.Sreelatha	IJSRR Vol.7(4), 2018, 1693-1699, ISSN No: 2279-0543, (UGC approved).	
2019	13	Effect of deposition temperature on key optoelectronic properties of electrodeposition cuprous oxide thin films	Optical and Quantum Electronics (2018) 50:281 https://doi.org/10.1007/s11082-018-1531-z Springer	1.842
2018	12	Evaluation of the structural, optical and electrical properties of AZO thin films prepared by chemical bath deposition for optoelectronics	Solid State Sciences 78(2018)58 e68 ELSEVIER	2.155
2018	11	Luminance Parameters Through Image Analysis Technique in Supramolecule PyB14A: nF Mesogens	International Journal of Modern Engineering and Research Technology volume 5, Issue 4, October 2018	0.676
2018	10	Application of Image Analysis Technique to Supramolecule PyB14A: nFA Liquid Crystal through Hydrogen Bond	International Journal of Innovative Research in Science, Engineering and Technology	
2018	9	Phase Transition Temperatures Through Statistical Parameters By Image Analysis On Py14BA: nF Mesogens	International Journal of Innovative Research in Science, Engineering and Technology	
2018	8	Thermodynamic parameters of binary mixtures of two mesogenic compounds exhibiting Lyotropic mesophase by C.J.Sreelatha.	Multidisciplinary scientific reviewer, vol. 03, issue 02 ISSN-2393-9893	
2017	7	Thermoacoustic parameters of binary mixtures of two mesogenic compounds exhibiting Lyotropic mesophase by C.J.Sreelatha.	Multidisciplinary scientific reviewer, vol. 03, issue 02	
2013	6	Lyotropic liquid crystalline phase in binary mixture of Cetostearyl alcohol and Dimethyl Sulfoxide by C.J.Sreelatha, Ch.Satyanarayana and P.Anuradha	Research Inventy: International Journal of Engineering And Science Vol.3, Issue 12, December 2013, PP45-49 ISSN (p)2319-6483	

2013	5	Thermoacoustic parameters of binary mixtures of CSA-DMSO using volume expansion coefficient by C.J.Sreelatha, Ch.Satyanarayana and P.Anuradha	International Journal of Futuristic Science Engineering and Technology Vol.1 issue July 2013 ISSN 2320-4486	
2013	4	Thermodynamic parameters of binary mixtures of CSA-DMSO exhibiting Lyotropic mesophase by C.J.Sreelatha, Ch.Satyanarayana and P.Anuradha	International Journal of Futuristic Science Engineering and Technology Vol.1 issue June 2013 ISSN 2320-4486	
2007	3	Excess Refractive Index studies on CSA-DMSO Binary mixtures showing Lyophase' by C.J.Sreelatha, Ch.Satyanarayana and P.Anuradha	Indian Journal of Physics Kolkata Vol.81(8),779-785	1.9
2005	2	A study of volume expansivity of binary mixtures of CSA and DMSO system forming lyophase' by C.J.Sreelatha, P.Anuradha and Ch.Satyanarayana	Bulletin of Pure and Applied Sciences, 24-D (No.2), 139-146	
2005	1	Specific Volume studies of binary mixtures of cetostearyl alcohol and dimethyl sulfoxide forming lyophase' by C.J.Sreelatha, Ch.Satyanarayana and P.Anuradha	Bulletin of Pure and Applied Sciences, 24-D (No.1), 51-60	

ANNEXURE-II

Work-shops, Conferences, etc organized

1. Director, One week (5 day) FDP on MATLAB and its applications from 31-03-2023 to 04-04-2023 at Department of Physics, KU .
2. Director, Two day National seminar on Innovations in Physics of Molecules and Materials during 28th and 29th OCT 2022 at Department of Physics, KU
3. Coordinator, “**Two-day National Workshop on Physics of Materials and Molecules**” during 15-16 March, 2019 at Department of Physics, Kakatiya University, Warangal.
4. Convener, One-week Workshop on Physics Practical's for Undergraduate Teachers **23-29 Dec., 2010, Dept. of Physics, Univ. Arts & Science College (KU), Warangal**
5. Convener, **MIST-2009**, a 3 day Workshop on Management, Informatics, Science and Technology at Univ. P.G. College, Godavarikhanani held during March 4-6, 2009.
6. Convener, **Commerce Meet-2008** held on 15th Nov., 2008 at Univ. P.G. College, Godavarikhanani.

ANNEXURE-III

List of Work-shops/Recharge/Training Programmes ,etc attended

1. FDP on LATEX & Xfig .Kolkata institute of technology and IIT Bombay 15-06-20 to 19-06-20, MHRD, Govt. of India
2. FDP on Teaching and learning of fabrication of thin films and optoelectronic devices through hands on experiences, Dept of physics ,NIT, Warangal, 03-07-18 to 08-07-18, Scheme of PMMMNMTT, MHRD, Govt. of INDIA
3. UGC-DAE CSRT two-day Awareness Workshop on Diffraction and other Characterization Techniques in Material Science 12-13 April, 2017 at Department of Physics, Kakatiya University, Warangal.
4. Science Academies '82nd Refresher Course on Experimental Physics 6-21 Dec., 2016 at Department of Physics, Kakatiya University, Warangal.
5. One-day Workshop on SPSS 22 Application

- 5thJuly,2014,Dept. ofComputerScience,KakatiyaUniversity,Warangal.
6. One-weekWorkshop on Physics Practicalfor Under GraduateTeachers 23-29Dec., 2010,Dept. of Physics, Univ. Arts & ScienceCollege(KU),Warangal
 7. Two-day Work-shop on Nan science &Nanotechnology
3rd&4thNov.,2010 at Dept.of Physics, KakatiyaUniversity, Warangal.
 8. 67thOrientationProgramme sponsored by UGC Academic Staff
College4-30Oct,2010,AcademicStaffCollege,OsmaniaUniversity,Hyderabad
 9. TrainingprogramonMicroprocessors,MicrocontrollersandDigitalCommunications
13-17July,2010,Dept.ofPhysics,KakatiyaUniversity,Warangal.
 10. Training programon Microprocessors, Microcontrollers and Digital Communications
22-26Feb.,2010,Dept.ofPhysics,KakatiyaUniversity,Warangal.
 11. WorkshoponNuclearenergy&Applications
21st&22ndMarch,2009atNationalInstituteofTechnology,Warangal.
 12. NationalWork-shoPONRecentAdvancesTrendsInPhysics
3-4March,2008atDept.ofPhysics,KakatiyaUniversity,Warangal.
 13. NationalWorkshoponRecentAdvancesInPhysics
3rd&4thFeb.,2006atDept.of Physics,KakatiyaUniversity,Warangal.
 14. WorkshoponMicroprocessorsandApplications
18-23Jan.,1999atDept.ofPhysics,KakatiyaUniversity.,Warangal

ANEXURE-IV

ListofNational/InternationalConferences/Seminars,etcattended

1. Orientationcourseincomputerscience	DeptofMaths,KU	1992-08-10	1992-08-17
2. Workshop on AnalyticalInstrumentation andTechniques	CIC ,KU 1994	0000-00-00	0000-00-00
3. Workshop on Microprocessorapplications	DeptofPhysics,ku1999	0000-00-00	0000-00-00
4. Symposium on Current trends in Condensed matterphysics	DeptofPhysics,ku2001	0000-00-00	0000-00-00
5. WorkshoponInstrumentalmethodsofAnalysis	DeptofPhysics,ku2001	0000-00-00	0000-00-00
6. NationalconferenceonCurrenttrendsinc ondensedmatterresearch	Dept of Physics UASE200 4	0000-00-00	0000-00-00
7. SummerteacherfellowatRRIBangalore	RRIBangalore2005	0000-00-00	0000-00-00
8. Eighteenth mid year meetingi fIASC as invited teacher	RRIBangalore2007	0000-00-00	0000-00-00
9. NationalsymposiumonThemesandmodernbiology	RRIBangalore2007	0000-00-00	0000-00-00
10.WorkshoponRecentadvancesinphysics	DeptofPhysics,ku2008	0000-00-00	0000-00-00
11.SeminaronUnderstandingplanetearth	DST&APCOSTku2008	0000-00-00	0000-00-00
12.Workshoponnuclearenergyandapplications	NITWarangal2009	0000-00-00	0000-00-00

13.National seminar on Microprocessor andMicrocontroller	DeptofPhysics,ku2010	0000-00-00	0000-00-00
14.Training programme in MicroprocessorsMicrocontrollersandDigitalcommunications	DeptofPhysics,ku2010	0000-00-00	0000-00-00
15.WorkshoponPhysicspracticalsforUGteachers	Dept of Physics UASC2010	2010-12-23	2013-12-30
16.National seminar on Recent trends in solid statephysics	DeptofPhysics,ku2012	2012-02-13	2012-02-14
17.Refreshercourseinphysics	Academicstaffcollege Osmaniauniversity	2012-11-05	2012-11-27
18.SeminaronAdvances&challengesinmicroprocessorarchitecturedevelopments	DeptofphysicsNIT2013	0000-00-00	2013-12-30
19.National seminar on Recent Trends on devicematerials	DeptofphysicsNIT2013	2013-11-08	2013-11-10
20.WorkshoponSoftmatterselfassembly&Dynamics	SchoolofPhysicsHCU	2014-01-09	2014-01-10
21.SeminaronInspiringchangetowardsgenderequality	Womenstudycenterku	2014-03-01	2014-03-02
22.National seminar on women empowerment – issues and challenges	UASC	2014-03-05	2014-03-06
23.Two week training programme on teacher empowerment-IT Champion	Dept of Microbiology KU	2014-04-01	2014-04-10
24.NationalseminaronRecentTrendsInPhysics	Dept of Physics,ku2014	2014-	2014-
		11-06	11-07
25.APASGoldenJubilee50yearsofIndianScience	IICT Hyderabad	2014-11-13	2014-11-15
26.OnedayworkshoponSPSS22Application	Dept of computer science, Ku	2014-07-05	2014-07-05
27.TelanganaStateFormationCelebrations	Kakatiya university	2015-06-02	2015-06-07
28.Refreshercourseinmaterialpreparationandmaterialproperties	Indian academy of Sciences	2016-11-15	2016-11-30
29.FDPonTeaching and learning of fabrication of thinfilmsandoptoelectronicdevicesthroughhandsonexperiences	Dept of physics, NIT, Warangal	03-07-18	08-07-18
30.FDPonLATEX&Xfig	Calcutta institute of technology and IIT Bombay	15-06-20	19-06-20

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