

Curriculum Vitae



Name & Designation: **Prof.C.J. Sreelatha**
Professor
Department of Physics,
Kakatiya University, Warangal - 506009, Telangana, India
Phone:+918702461428(O),+919490456764(M)
E-mail : sree_phy_ku@yahoo.co.in & cj.sreelatha@gmail.com

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
Undergraduate	B.Sc.-Kerala	1985	First	64
Post-Graduate	M.Sc. Physics-Kerala	1987	First	66
Any other exam	PGDCA-Institute of Public Enterprises, Hyderabad	1988	Distinction	77
Ph.D.	Kakatiya University, Warangal	1997	Awarded	

Appointments held prior to joining in Kakatiya University:

Designation	Name of Employer	Date of		Salary with Grade	Reason of leaving
		Joining	Leaving		
Computer programmer	Singeren Women's College, Kothagudem	1989	1991		For higher studies
Part-time lecturer	Department of Physics, UC, KU	1996	1999	20 Rs/Hou r	Shifted to UASC, Subedari
Contractual Lecturer	Department of Physics, UASC	1999	2005	8000/-	Permanent Selection

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	
NSSprogramOfficer	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, 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 Professor	Department of Physics, UC, KU Department of Physics, UC, KU	2014 2020	2017 Till date	AGP9000 AGP 10000
HEAD	Department of Physics, UC, KU	21-05-2021	07-06-2024	AGP 10000
In-Charge CIC	Central instrumentation Centre	15-02-2022	Till date	

Teaching Experience: 30 years (PG:20 years; UG:10years)

Papers taught: Electronics, Materials Science, and Solid-State
Physics, Microprocessor, Microcontroller

Research Experience: 25 years

Specialization: Liquid crystals, Thin films, Materials Science

Publications: 32 (International Journals:20; National Journals:11)

No. of Ph.D. Awarded 05

No. of candidates registered for Ph. D: 01

Books authored/edited: 2.B.Sc. Physics Practical Manual for UG and CDOE

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

Research Projects Completed 01

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

Teachers ‘Association: Vice-President AKUT 2020–21 AND
AKUT- PRESIDENT: from 21 06-21 to 27-02-2022

Academic Positions:

- (i) **Member, of** 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 funds 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) **Life Member:** Indian Association of Physics Teachers (IAPT)
- (vi) **In-Charge- DIRECTOR, Central Instrumentation Center, KU:** Active
- (vii) **Advisory committee member:** IQAC, NAAC
- (viii) **Chairperson:** For Women abuse/ Anti-ragging in working place

ANNEXURE–I (Research Publications)				
Year	S.No.	Title & Authors	Journal details	Impact Factor
2024	32	Sol-gel auto-combustion synthesis of ZnO nanoparticles fabricated with Eucalyptus honey and Logan honey as combustion fuels for water treatment	Chemical Papers Doi:10.1007/s11696-024-03721-x, Springer	2.2
2023	31	Annealing temperature variation on Al doped Nickel oxide thin film synthesized by a dip coating technique	Solid State Phenomena ISSN 1662-9779, vol 350 Doi:10.4028/p-Mns91S,2023, Trans Tech publication Ltd	Scopus 1.0
2023	30	Impact of Solvents on Crystal Structure and Surface Morphological Characteristics of Wet Chemical Sol-gel Synthesized ZNO nano thinfilms	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 filmdeposition	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. J*, Nagaraju, P., Vijayakumar, Y., & Sreekanth. (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., Jyothsna, S., Manjula., Raju, B., & Sreelatha. (2021).	<i>Materials Today: Proceedings</i> 8 ⁵ .	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. 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. <i>P. Chandar Rao</i> , 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⁺ nanophosphor synthesized at low temperature. V.V. Jaiswal, <i>P. Chandar Rao</i> , C.J. Sreelatha, A.S. Sai Prasad and D. Haranath	Journal: Material Science & Eng. B (Elsevier),	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*, Naga raju, 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 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:nFAMEsogens	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 Crystals 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:nFAMEsogens	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 Dimethylsulfide 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 dimethylsulfoxide 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

Workshops, Conferences, etc. organized

1. One-day workshop on IARP held on 23-12-2023 at the dept of Physics, K.U
2. Director, One week (five-day) FDP on MATLAB and its applications from 31-03-2023 to 04-04-2023 at the Department of Physics, KU.
3. Director, Two-day National seminar on Innovations in Physics of Molecules and Materials on 28th and 29th OCT 2022 at the Department of Physics, KU
4. Coordinator, “Two-day National Workshop on Physics of Materials and Molecules” on 15-16 March, 2019 at Department of Physics, Kakatiya University, Warangal.
5. Convener, One-week Workshop on Physics Practical for undergraduate teachers **23-29 Dec., 2010, Dept. of Physics, Univ.Arts & Science College (KU), Warangal**
6. Convener, **MIST-2009**, a 3-day Workshop on Management, Informatics, Science and Technology at Univ. P.G.College, Godavarikhani held during March 4-6, 2009.
7. Convener, **Commerce Meet-2008** held on 15th Nov., 2008 at Univ.P.G.College, Godavarikhani.

ANNEXURE-III

List of Workshops/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.ofIndia
2. FDP on Teaching and learning of fabrication of thin films and optoelectronic devices through hands on experiences, Dept of Physics,NIT, Warangal,03-07-18o08-07-18, Scheme of PMMMMNMTT, MHRD, Govt.of India
3. UGC-DAE CSR Two-day Awareness Workshop on Diffraction and Other Characterization Techniques in MaterialScience 12-13 April 2017 at Department of Physics, Kakatiya University, Warangal.
4. ScienceAcademies'82ndRefresherCourseonExperimentalPhysics 6-21Dec.,2016at Department of Physics, Kakatiya University, Warangal.
5. One-dayWorkshoponSPSS22Application 5thJuly,2014,Dept. of ComputerScience, 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,MicrocontrollersandDigitalCom munications 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, Wa rangal.
12. NationalWork-shoaponRecentAdvancesTrendsInPhysics 3-4March,2008atDept.ofPhysics,KakatiyaUniversity, Warangal.
13. NationalWorkshoponRecentAdvancesInPhysics 3rd&4thFeb.,2006atDept. of Physics,KakatiyaUniversity, Warangal.
14. WorkshoponMicroprocessorsandApplications 18-23 Jan.,1999 a t Dept. Of Physics, Kakatiya University., Warangal

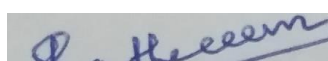
ANNEXURE-IV

**List of National/International Conferences/Seminars,
etc attended**

1. Orientation course in computer science	Dept of Maths, KU	1992-08-10	1992-08-17
2. Workshop on Analytical Instrumentation and Techniques	CIC, KU 1994	0000-00-00	0000-00-00
3. Workshop on Microprocessor applications	Dept of Physics, KU 1999	0000-0-00	0000-0-00
4. Symposium on Current trends in Condensed matter physics	Dept of Physics, KU 2001	0000-00-00	0000-00-00
5. Workshop on Instrumental methods of Analysis	Dept of Physics, KU 2001	0000-00-00	0000-00-00
6. National conference on Current trends in condensed matter research	Dept of Physics UASE2 004	0000-0-00	0000-00-00
7. Summer teacher fellow at RRI Bangalore	RRI Bangalore 2005	0000-0-00	0000-00-00
8. Eighteenth mid year meeting of FIASC as invited teacher	RRI Bangalore 2007	0000-00-00	0000-00-00
9. National symposium on Themes and modern biology	RRI Bangalore 2007	0000-00-00	0000-00-00
10. Workshop on Recent advances in physics	Dept of Physics, KU 2008	0000-00-00	0000-00-00
11. Seminar on Understanding planet earth	DST & APCOST KU 2008	0000-00-00	0000-00-00
12. Workshop on nuclear energy and applications	NIT Warangal 2009	0000-00-00	0000-00-00

13. National seminar on Microprocessor and microcontroller	Dept of Physics,ku2010	0000-0-00	0000-00-00
14. Training programmes in Microprocessors Microcontrollers and Divital communications	Dept of Physics,ku2010	0000-00-00	0000-00-00
15. Workshop on Physics practicals for UG teachers	Dept of Physics UASC2010	2010-12-23	2013-12-30
16. National seminar on Recent trends in solid state physics	Dept of Physics, ku2012	2012-2-13	2012-02-14
17. Refresher course in physics	Academic staff college Osmania University	2012-1-05	2012-11-27
18. Seminar on Advances & challenges in microprocessor architecture developments	Dept of physics NIT2013	0000-00-00	2013-12-30
19. National seminar on Recent Trends on device materials	Dept of physics NIT2013	2013-11-08	2013-11-10
20. Workshop on Soft matter self assembly & Dynamics	School of Physics HCU	2014-01-09	2014-1-10
21. Seminar on Inspiring change towards Gender equality	Women study center ku	2014-03-01	2014-03-02
22. National seminar on women empowerment – issues and challenges	UASC	2014-03-05	2014-3-06
23. Two week training program on teacher empowerment-IT Champion	Dept of Microbiology KU	2014-04-01	2014-04-10
24. National seminar on Recent Trends in Physics	Dept of Physics,ku2014	2014-	2014-

		11-06	11-07
25. APAS Golden Jubilee 50 years of Indian Science	IICT Hyderabad	2014-1-13	2014-11-15
26. One day workshop on SPSS 22 Application	Dept of Computer Science, Ku	2014-07-05	2014-07-05
27. Telangana State Formation Celebrations	Kakatiya university	2015-06-02	2015-06-07
28. Refresher course in material preparation and material properties	Indian Academy of Science	2016-11-15	2016-11-30
29. 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	08-07-18
30. FDP on LATEX & Xfig	Calcutta Institute of technology and IIT Bombay	15-06-20	19-06-20



Prof. C.J. Sreelatha