

PERSONAL PROFILE

Name : **Dr. NAGESWARA RAO JUJJUVARAPU**
Qualifications : **M.Sc., B.Ed., M.Phil., Ph.D.,**
Designation : **ASSISTANT PROFESSOR OF PHYSICS**



College Address :

S.R.R.& C.V.R. GOVERNMENT DEGREE COLLEGE
(AUTONOMOUS), MACHAVARAM, VIJAYAWADA

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Educational Qualifications

S.NO	COURSE	BOARD / UNIVERSITY	YEAR
1	M.Sc(PHYSICS)	Osmania University, Hyderabad	1994
2	B.Ed	Osmania University, Hyderabad	1997
3	M.Phil	Sri Venkateswara University, Tirupathi	2011
4	Ph.D	Krishna University, Machilipatnam	2021

Professional Experience:

1. Worked as Junior lecturer in Physics at Geetanjali Junior College, Narsapur, Medak District (1994-96)
2. Worked as Junior lecturer in Physics in Chaitanya Bharathi Junior College, Chintalapudi, West Godavari District, A.P (1996-98)
3. Worked as Teacher at MPP School, T, Narsapuram Mandal and ZP High School, T.Narsapuram, West Godavari District (26.08.1998-20.12.2004)
4. Worked as Junior Lecturer in Physics at Government Junior College, Kondapuram, Nellore District, A.P. (21.12.2004-20.12.2007)
5. Worked as Junior Lecturer in Physics at Government Junior College, Korukonda, East Godavari District, A.P. (21.12.2007-14.05.2011)
6. Worked as Junior Lecturer in Physics at Government Junior College, Eluru, West Godavari District, A.P. (15.05.2011-20.05.2013)
7. Worked as Lecturer in Physics in Government Degree College, Chintalapudi, West Godavari District, A.P. (21.05.2013-24.09.2021)

8. Working as Lecturer in Physics in SRR & CVR Government Degree College, Vijayawada, Krishna District, A.P. (25.09.2021 to till date)

Achievements

1. Awarded M.Phil in Physics with topic of “Ultrasonic study of molecular Interactions in liquid mixtures” in the year 2011.
2. Awarded **Ph.D in Physics** with Topic entitled “Ultrasonic study of molecular Interactions in liquid mixtures”.
3. Nominated as Editor, Iterative International Publications, Michigan, USA with Editor ID **IIPER1682698199** for the edited book series titled “**Futuristic Trends in Renewable & Sustainable Energy**” with Series Code **IIPV3EBS18_G53**.

In service programs attended:

Attended Refresher/Orientation Programmes

S.No	RC/OC	Topic	Organized university	From – To date
1	RC/OC (Summer School)	Strategic for Research Oriented Teaching	Jawaharlal Nehru Technological University, Hyderabad	06.06.2016 to 25.06.2016.
2	Orientation Program	37 th Orientation Program	Moulana Azad National Urdu University, Hyderabad	01.11.2017 to 28.11.2017
3	Refresher Courses	Recombinant Memetics	UGC-HRDC, Osmania University, Hyderabad	01.02.2021 to 13.02.2021

Research Experience

Article published:

International:

1. Ultrasonic study of Velocity in the Binary Mixtures of p-Xylene with Benzyl benzoate as Common Component, Journal of Applicable Chemistry, 2019, 8 (3): 1371-1376, (International Peer Reviewed Journal).
2. Excess Thermodynamic and other Allied Parameters in the Binary Mixtures of p-Xylene with Benzyl benzoate as Common Component, Journal of Applicable Chemistry 2019, 8 (3): 1377-1384, (International Peer Reviewed Journal)
3. Ultrasonic Study of Molecular Interactions in Binary Mixtures of Benzyl Benzoate with 2-alkoxyethanols at Various Temperatures, PSYCHOLOGY AND EDUCATION (2020) 57(9): 6710-6725.

4. Ultrasonic Study of Molecular Interactions in Binary Mixtures of n-butylamine, Diisopropylamine and Triethylamine with Benzyl benzoate as Common Component at 303.15, 313.15 and 323.15 K, Zeichen Journal(2022),Volume(8),Issue(12),292-316.
5. Thermo-Acoustic Parameter Analysis of Binary Liquid Mixtures of 2-Methyl Cyclohexanone with Water/1-Propanol and 2-Propanol: Investigating Intermolecular Interactions at Various Temperatures, ISSN: 2582-5887; Peer-Reviewed Refereed International Journal (UIJES); Volume-5, Special Issue 2(January-2024); Impact Factor: 6.71(SJIF).

National:

1. "Excess thermodynamic and other allied parameters in the binary mixtures of cresols and azo compounds with benzyl benzoate as common component", Physical Chemistry, PCAIJ, 9(3), 2014 [81-91].
2. Excess Thermodynamic and Other allied parameters in the binary mixtures of 2-phenoxy ethanol with benzyl benzoate as common component, JETIR June 2019, Volume 6, Issue 6.

Patents:

1. Nanomed: Properties, Synthesis, And Therapeutic Applications In Modern Medicine, Publication Date : 06/09/2024, The Patent Office Journal No. 36/2024 Dated 06/09/2024, page. No. 79338.

Conferences at National Level- Papers presented:

2. Excess thermodynamic and other allied parameters in the binary mixtures of Aniline with benzyl benzoate as common component, Proceedings of DBT-MHRD, Govt. of India sponsored Two-day National Seminar on "Advances in Biomaterials and Characterization Techniques (ABCT 17)" – 20 & 21, January 2017, Conducted by Andhra Loyola College, Vijayawada.
3. Excess Thermodynamic and other Allied Parameters in the Binary Mixtures of N – Propylamine with Benzyl Benzoate, International E-Conference on Materials Processing & Characterization-2020, conducted by Department of Physics, Chaitanya Bharathi Institute of Technology (A), Hyderabad ISBN: 978-81-946476-9-0 from 18.09.2020 to 19.09.2020.
4. Excess Thermodynamic and other Allied Parameters in the Binary Mixtures of 2-Phenoxyethanol with Benzyl Benzoate as common component, Conducted by Department of Physics, DNR college, Bhimavaaram.

Books written:

1. Renewable Energy (Solar, Wind, Ocean, Hydrogen and Biomass), 2021, INSC International Publishers, ISBN: 978-1-68576-100-4.
2. Solar energy, 2022, Blue Ink Publishing House, Chikkamagalur, Karnataka, ISBN: 978-93-92473-52-4
3. Electrical appliances, 2022 Blue Ink Publishing House, Chikkamagalur, Karnataka, ISBN: 978-93-92473-33-3
4. Heat and Thermodynamics (Book Chapter), B.Sc II Year – Semester III, Published by Andhra Pradesh State Counsel of Higher Education, Mangalagiri. in 2022

5. Electricity, Magnetism and Electronics (Book Chapter), B.Sc II Year – Semester IV, Published by Andhra Pradesh State Counsel of Higher Education, Mangalagiri. in 2022

Faculty Development Programmes attended

1. Participated Five day online Faculty development program on “Emerging trends in Nano Technology” Organized by department of basic science, Vishnu Institute of Technology, Bheemavaram in association with Physical Research laboratory, Ahmedabad from 09.11.2021 to 13.11.2021.
2. Participated Five day online Faculty development program on “New Knowledge in Physics and Energy Materials: Asdvanced Resrach Techniques” Organized by Commissioner of Collegiate Education, Vijayawda in association with University of Lousville-USA, Southern University-USA and Elizabeth City State University-- USA from 06.07.2020 to 10.07.2020.
3. Successfully Completed Five day online national level Faculty development program on “Characterization of Materials” Organized by Department of basic sciences and HSS, JNTUK and University College of Engineering, Vijayanagaram from 03.08.2020 to 07.08.2020.
4. Participated One week Faculty Development Program on “Recent Advances on Material Characterizations” Organized by Department of Physics, Krishna University, Machilipatnam from 29.08.2022 to 03.09.2022.
5. Participated in “5 Day Training Programme for Teachers on Solar Energy - Content Delivery and Assessment Methods (TOT on Solar Energy)” from 10.08.2022 to 14.08.2022 organized by Commissionerate of Collegiate Education, A.P., Vijayawada in collaboration with SRR & CVR Government Degree College (A), Vijayawada.

Workshops attended

1. Workshop-One day workshop on Increasing Enrollment and Geo-Tagging through Bhuvan RUSA App conducted by Higher education Department, Government of A.P and RUSA, A.P, Vijayawada on 13 May 2016 conducted at P.B. Siddhartha College, Vijayawada.

Seminars:

1. Participated in UGC sponsored two day National seminar on “ Global trends in earth climate – From recent Observations” conducted by St. Theresa College, Eluru on 3 & 4 February 2015.
2. Participated in UGC sponsored two day National seminar on “Energy and Ecology” conducted by Sir CRR College (autonomous), Eluru on 4 & 5 October 2016.
3. Presented a paper on “ Applications of Nano material in Fuel Cells’ at UGC sponsored two day National seminar on Applications od Nano materials in Energy and Environment” conducted by Department of Physics, ASD Government Degree College for Women, Kakinada on 17 & 18 August 2016.
4. Two day National Seminar on “Advances in the synthesis of Nano materials and their multi dimensional applications in Chemical and Bio sciences” Organied by Department of Chemistry, Andhra Loyola College, Vijayawada on 14 and 15 September 2016 presented a paper titled “Nano medicine- The medicine of Tomorrow”.
5. Two day National Seminar on “Advances in Biomaterials & Characterization Techniques” by Department of Physics, Andhra Loyola College, Vijayawada and Indian Association of Physics

Teachers on 20 and 21 January 2017 presented a paper titled “ Excess thermodynamic and allied parameters in the binary mixtures of aniline with Benzyl benzoate as Common Component” .

6. Participated in UGC sponsored two day National seminar on “ Recent Trends in Chemistry and Physics materials” conducted by Department of Physics, RR & CVR Government Degree College (autonomous), Eluru on 15 &16 September 2017.

7. Participated in UGC sponsored One day National webinar on “ Preparation of Research article in Science” conducted by Andhra Loyola (autonomous),

Vijayawada on 20.07.2020.

8. Participated in the Webinar on 'Bridging Electromagnetic Spectrum for Technological Applications - A Materials Perspective' held on 21 July, 2020. This webinar was organized by the Department of Physics, Andhra Loyola College, Vijayawada, A.P.
9. Participated national level Webinar on “Nano Physics” held on 29 August 2020 and was organized by the Department of Physics, Government Degree College, Razole, A.P.
10. Participated national level Webinar on “Photonic crystals” held on 26 February 2021 and was organized by the Science Association in collaboration with Department of Physics, Durga Malleswara Siddhartha Mahila Kalasala, Vijayawada, A.P.

Administrative Experience

1. Vice Principal at Government Degree College, Chintalapudi, W.G.District, A.P
2. IQAC Coordinator at Government Degree College, Chintalapudi, W.G.District, A.P
3. Nodal Officer of the college for Adikavi Nannaya University, Rajamahendravaram at Government Degree College, Chintalapudi, W.G.District, A.P.
4. NIRF Coordinator at Government Degree College, Chintalapudi, W.G.District, A.P
5. RUSA Coordinator at Government Degree College, Chintalapudi, W.G.District, A.P.
6. Addl. Coordinator of certificate course conducted by Department of Physics & Electronics, SRR & CVR Government Degree College (A), Vijayawada on “Hardware and Networking”
7. Asst. IQAC Coordinator & Coordinator for Criteria-2 for the submission of Self Study Report for NAAC 4th Cycle of SRR & CVR Government Degree College (A), Vijayawada.
8. Addl. Controller of Examinations, SRR & CVR Government Degree College (A), Vijayawada.
9. IQAC Coordinator of SRR & CVR Government Degree College (A), Vijayawada from 01.07.2023 to till date