

Bio Data

Dr. M. NAGARJUNA

Associate Professor

Department of Physics

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Educational Qualifications: M.Sc, M.Phil, Ph.D

EDUCATIONAL QUALIFICATIONS

Name of the Degree	Institution /University	Year of passing	Division / Class	% of marks
Ph.D. (Material)	Acharya Nagarjuna University, P.G Centre, Nuzvid	2010	Thesis is adjudicated	--
M.Phil (Material)	Acharya Nagarjuna University, P.G Centre, Nuzvid	2006	A Grade	73.16
M.Sc (Physics)	Acharya Nagarjuna University, P.G Centre, Nuzvid	2003	First Class	65
B.Sc (M.P.C)	Vikas Degree College, Vissannapeta, Acharya Nagarjuna University	2001	First Class	79.26
Intermediate	Board of Intermediate Education, D.A.R College, Nuzvid	1998	First Class	67.1
S.S.C.	S.S.C. Z.P.H School, Reddigudem	1996	First Class	68

TEACHING EXPERIENCE

Name of the employer	Designation	Date of Joining	Date of leaving	Duration of work
Dhanekula Institute of Engineering & Technology, Ganguru, Vijayawada	Head of the Department For BS&H	29-11-2022	Till date	1 Year 5 Months
Dhanekula Institute of Engineering & Technology, Ganguru, Vijayawada	Associate Professor	3-9-2010	Till date	12 years
Vikas College of Engineering & Technology, Nunna Vijayawada	Associate Professor	1-10-2009	2-9-2010	11 months
Vikas Degree college (P.G Courses)	Lecturer	2-7-2003	30-9-2005	2 Years

SUBJECTS HANDLED

- Engineering Physics-I
- Engineering Physics-II
- Applied Physics
- Engineering Physics
- PE&HV
- Quantum mechanics-I
- Solid state Physics
- Quantum mechanics-II

- Methods of mathematical Physics

CERTIFICATION COURSES

- **NPTEL**

1. Teaching and learning in Engineering-I
2. Teaching and learning in Engineering-II

- **COURSERA**

1. Quantum Mechanics
2. Material science
3. Write professional E-mails in English.
4. Introduction to psychology
5. Artificial intelligence for everyone
6. Fundamentals of GIS

MEMBERSHIP IN PROFESSIONAL BODY

1. Indian Society of Systems for Science & Engineering (ISSE)
2. International Association of Engineers (IAENG)

ACHIEVEMENTS

1. **Ratified as Associate Professor in JNTUK in 2017.**
2. Ratified as assistant Professor in JNTUK in 2014.
3. Received appreciation certificate from Amrita University for better conducting virtual lab

Research Publications

S. No	Title of the paper	Name of the journal	Publisher	Journal UGC/Scopus/SCI/WOS	Impact factor
1	Improved DC electrical resistivity and magnetic properties of La ³⁺ substituted Ni _{0.5} Co _{0.5} Fe _{2-x} LaxO ₄ (0.00 ≤ x ≤ 0.20) spinel ferrite systems	Journal of the Indian chemical society	ELSEIVER	SCI	3.2
2	Investigation of Sm ³⁺ ion emission in lead borophosphate glass system with varied modifiers for photonic applications	Journal of Materials Science: Materials in Electronics	Springer	SCI	2.779
3	The role of modifier oxides on red emission of Eu ³⁺ ions in lithium antimonite glass system	Journal of Non-Crystalline Solids	ELSEIVER	SCI	4.458
4	Optical and luminescence properties of Er ³⁺ doped Sb ₂ O ₃ -Li ₂ O-MO (M=Mg, Ca and Sr) glasses	Optical Materials	ELSEIVER	SCI	3.754
5	Influence of Ag ₂ O on some physical properties of LiF-TiO ₂ -P ₂ O ₅ glass system	Journal of alloys and compounds	ELSEIVER	SCI	4.650
6	Ag concentration dependent transport properties of LiF-MoO ₃ -P ₂ O ₅ glasses	PHYSICA B	ELSEIVER	SCI	2.88
7	Electrical conduction and other related properties of silver ion doped LiF-V ₂ O ₅ -P ₂ O ₅ glass system.	PHYSICA B	ELSEIVER	SCI	2.88
8	Influence of WO ₃ on some Physical properties of MO-Sb ₂ O ₃ -B ₂ O ₃ (M= Ca, Pb and Zn) glass system.	Journal of alloys and compounds	ELSEIVER	SCI	4.650
9	Spectroscopic properties of PbO-Sb ₂ O ₃ -SiO ₂ : MnO glass system	Materials today Proceedings	ELSEIVER	SCI	1.4
10	Spectroscopic features of chromium ions in Li ₂ O-BaO-B ₂ O ₃ glasses	Materials today Proceedings	ELSEIVER	SCI	1.4
11	The influence of Ag ₂ O on the dielectric properties of LiF-CaO-B ₂ O ₃ glasses	Physics and Chemistry of Glasses - European	Society of Glass Technolog	Scopus	0.897
12	Spectral characteristics of titanium ions in Ag ₂ O mixed lithium fluoro phosphate glass system	International journal of luminescence and its applications		Scopus	0.83
13	A note on Jacobsan radicals in special Boolean like rings	AIP Conference Proceedings	American Institute of Physics	Scopus	0.19
14	Second order Derivative Spectrophotometric determination of Aluminum (III) using 3,4-Dihydroxy	High Technology Letters	Science Press	Scopus	2.7
15	Influence of titanium ions on spectroscopic and dielectric properties of PbO-Bi ₂ O ₃ -As ₂ O ₃ glasses.	IOP Publications		Scopus	--

16	The optical absorption and fluorescence properties of Sm ³⁺ ions in LiF-MO-B ₂ O ₃ (MO= CaO, CdO, BaO and PbO) Glasses	Book Chapter	9789353963 767		--
17	Studies on thermodynamic parameters of binary liquid mixtures of Tetrahydrofuran with Anilines by Conventional and Benson-Kiyohara Approaches	Book Chapter	978-81- 926822-0-4		
18	Chemical sensors based on green synthesis of SnO ₂ /Zno Nano composite and its manufactured applications	Patent-Publication	Indian	Application No.202241058184 A	
19	Solar cell and Photoelectric Conversion element	Patent-Publication	Indian	Application No.202341002393 A	
20	The advanced methods in chemoselective click chemistry for organic synthesis	Patent-Publication	Indian	Application No.202441001274	

Title of the Ph.D thesis: *Electrical and Spectroscopic properties of LiF -(MoO₃, V₂O₅ AND TiO₂)-P₂O₅: Ag₂O Glass systems.*

Title of the M.Phil thesis: *The Influence of Ag₂O On the Dielectric Properties of LiF-CaO-B₂O₃ Glasses*

AREAS OF RESEARCH INTEREST

1. Evaluation of insulating character of glass materials by means of dielectric studies and the structural evaluation of the glass materials.
2. IR, ESR, optical absorption spectra and magnetic susceptibility studies of glass systems doped with different transition metal ions and to probe the local structure of the dopants.

SEMINARS/CONFERENCES/WEBINARS

1. International Conference on "Cutting-edge Research in Material Science and Chemistry, organized by department of chemistry and Bio sciences Manipal university Jaipur January 11-12, 2021.
2. Online workshop on Universal Human Value on the theme "Inculcating Universal Human Values in Technical Education" during 19-23 October 2020 as organized by All India Council for Technical Education (AICTE).
3. A two-day National seminar on Need and role of Non-Conventional energy source for sustainable future. A N R College, Gudiwada 23rd & 24th January 2018
4. National seminar on Physics and Chemistry on Non-Crystalline materials 1st and 2nd December, 2017 at Nandigama. Mixed conductivity studies in silver oxide-based lithium-vanado-Phosphate glasses.
5. National seminar on Recent trends in Chemistry and Physics of materials 15 and 16th September, 2017 at S.R.R and C.V.R Govt Degree college vijayawada Influence of bismuth ions on Na₂O-SiO₂-CuO glasses
6. International seminar on Biomass-Sustainable solutions on energy, chemicals & Industrial materials 22nd september, 2016.
7. National seminar on characterization techniques of materials 28th & 29th March, 2016 at ANU college guntur, Spectroscopic properties of titanium ions in Ag₂O mixed lithium fluoro borate glass system.

8. National seminar on multifunctional materials synthesis and its applications- Machilipatnam Jan-2015.
9. International seminar on glasses and other functional materials A N U Guntur- December 2014.
10. National seminar on Development of advanced materials in Physics and Electronics and their applications Oct-2014.K B N College Vijayawada.
11. National seminar on multifunctional materials Andhra Loyola College, Vijayawada March-2013.
12. National conference on luminescence and its applications.
(NCLA-2011) Pt.Ravi Shankar shukla University -Raipur Feb-2011
13. International Workshop and symposium on the synthesis and characterization of glass/Glass ceramics.Yashada Md centre Pune (IWSSCGGC-2010)-July-2010.
14. National seminar on Physics and Chemistry of materials Nagaram Guntur -July-2009.
15. International seminar on science &Technology of glass materials Acharya Nagarjuna University March-2009 AN U –Guntur.
16. National seminar on advances in Amorphous materials
Acharya Nagarjuna University P.G centre, Nuzvid –Feb-2007.
17. National seminar on physics of non-crystalline materials.
Acharya Nagarjuna University P.G centre ,Nuzvid Dec-2004.

FACULTY DEVELOPMENT PROGRAMS

1. Faculty Development Programme on Curriculum Design for Developing Job related Competencies Conducted by Curriculum Development Centre Department from 09/01/2023 to 13/01/2023 (One Week)
2. Participated in the AICTE Recognized Faculty Development Programme on Nanosensors & Devices Conducted by Applied Science Department from 22/08/2022 to 26/08/2022 (One Week)
3. One week Faculty Development Program On "Amazon Web Services" During the period of 22nd August 2022 to 27th August 2022 Organized by SRI VENKATESHWARA COLLEGE OF ENGINEERING, BENGALURU
4. One Week Online Faculty Development Program on “Research Methodology & IPR” organized by IQAC, IIC & Department of Computer Science and Engineering, VRSEC under AICTE Margdarshan during 13th - 17th September, 2021.
5. One week online FDP on Research methodology and IPR, organised by VRSE from 13-9-2021 to 17-09-2021.
6. Recent advances in Engineering in Physics, organized by department of Physics QIS College Engineering & Technology, from 13-7-2021 to 17-7-2021
7. A National Level 3 Day Virtual Faculty Development Program on Advances in Energy Materials for Storage Systems”
8. 3 days online FDP programme on Virtual training for Renewable energy system 28th may to 30th may,2020
9. 8 weeks FDP on teaching and learning inengineering-2
10. Five days online faculty development programme on Material for thermal and Renewable energy Research
11. One day faculty development program on “challenges in building collaborations in

research and innovation, May 11, 2020

12. Attended a one week faculty development program on outcome based education conducted by Electronics& ICT Academy, NIT Waragal and Dhanekula Institute of Engg & Tech, Ganguru, Vijayawada, during 6-6-2016 to 11-6-2016.
13. Trained as internal auditing of quality management system as per ISO 9001:2008, during 26-8-2013 to 28-8-2013 Dhanekula Institute of Engg & Tech, Ganguru, and Vijayawada.

COCURRICULAR DUTIES

1. Digital and central Library committee coordinator
2. R&D Member in the Department of Science and Humanities
3. IQAC Member in the Department of Science and Humanities
4. NBA Department coordinator
5. Student counselor

PERSONAL PROFILE:

Name : Dr.M.Nagarjuna
Religion : Hindu
Nationality : INDIAN
Marital Status : Married
Gender : Male
Languages known : English, Telugu
Father's Name : Lakshmaiah
Phone No : 9949618182, 9951616501
Date of Birth : 03-04-1980
Permanent Address : D. No:15-15
Reddygudem (post & mandal)
N T R (Dist)-521 215
AP, India

(Dr.M.NAGARJUNA)