

Dr. P VIJAYA LAKSHMI

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RESIDENTIAL ADDRESS:

Dr. P.VIJAYA LAKSHMI,
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Vijayawada – 521137

ACADEMIC QUALIFICATIONS: M.Sc., Ph.D

ACADEMIC REWARDS / ACHIEVEMENTS:

- Received Ph.D in Physics for her thesis entitled “**Investigation of Optical and Structural Properties of RE³⁺ (Eu³⁺/Pr³⁺/Yb³⁺) ions in MnO co-doped BaO-Al₂O₃-B₂O₃-SiO₂ glasses**” by Acharya Nagarjuna University on 25-09-2018.
- Received best paper presentation certificate for the paper “Determination of XRD in advanced nano material”, organized by First International conference on innovation in Engineering, Management and Science ICEMS 2022 ,Global conference Hub ,Coimbatore and VVIT Guntur.
- Got Merit scholarships in B.Sc, M.Sc.

ACADEMIC REWARDS / ACHIEVEMENTS: NIL

PROFESSIONAL EXPERIENCE:

Designation	Institution	Period
Asst. Professor	Gudlavalleru Engineering College, Gudlavalleru	08-09-2009 to Till date
Asst. Professor	NOVA College of Engineering Technology, Ibrhimpatnam	2007 to 2009

PROJECTS GUIDED:

PhD	Post Graduation	Under Graduation
NIL	NIL	NIL

SPECIALIZATION: Condensed Matter Physics

RESEARCH PAPERS / BOOKS: 05

BOOKS PUBLISHED IN PUBLICATIONS: NIL**RECENT PUBLICATIONS/CONFERENCES:**

International/ National Journals	International / National Conferences
05	16

1. “ Determination of XRD in Advanced Nanomaterials,” in International Advanced Research Journal in Science, Engineering and Technology ”Volume 9, Issue 1, January 2022 , DOI: 10.17148/IARJSET.2022.9142. ISSN (Online) 2393-8021
ISSN (Print) 2394-1588.
2. “Role of Reducing Agent in Nano Particle Synthesis” in International Advanced Research Journal in Science, Engineering and Technology ”Volume 9, Issue 1, January 2022 , DOI: 10.17148/IARJSET.2022.9143 ISSN (Online) 2393-8021
ISSN (Print) 2394-1588.
3. “Influence of Mn²⁺ ions on Orange red emission of BaO – B₂O₃ – Al₂O₃ – SiO₂ glasses”
Journal of Luminescence Vol. 190 (2017) PP: 379–385
4. Investigation of optical and structural properties of Eu³⁺ by Mn²⁺ in Barium alumina borosilicate glasses ,Journal of Molecular Structure (pp 136-143), vol .1125(2016).
5. “The Spectroscopic properties of Mo⁵⁺ in ZnO-ZnF₂-B₂O₃ Glass, Transaction of Indian Ceramic Society (pp.24-28), vol. 72:1(2013).

1. Presented a paper “Determination of XRD in advanced nano material synthesis”, International conference on innovation in Engineering, Management and Science ICEMS 2022 ,Global conference Hub ,Coimbatore and VVIT Guntur.
2. Presented a paper “Role of Reducing Agent in Nano Particle Synthesis”, International conference on innovation in Engineering, Management and Science ICEMS 2022 ,Global conference Hub ,Coimbatore and VVIT Guntur.
3. Presented a paper on “Luminescence Characterization of Sm₂O₃ doped Zinc oxide lead borosilicate glasses” International Seminar on Physics and Chemistry of material and applications ISPCMA-2017, organized by SPMH Kalasala, Machilipatanm on 4th – 5th January, 2017.
4. presented a paper on Optical and Structural Investigation of Sm₂O₃ doped Zinc oxide lead borosilicate glasses., in national workshop AP science congress -2016, organized by Andhra Pradesh Science Academy, held at Siddhartha Academy, Vijayawada on 07 - 09 November 2016.
5. presented a paper on “Influence of Titanium Ions on spectroscopic properties of strontium alumina borosilicate glasses” in International conference on “*Science and Engineering of Materials for Futrue needs (ICSEMF-2015)*” held in S.R & B.G.N.R Govt. Arts & Science College, Khammam, Telangana, 21st December to 22nd December, 2015.
6. Presented a paper on “Optical Properties and structural analysis of Pr³⁺ doped CaO-PbO-B₂O₃-SiO₂ glasses” in National conference on “*Recent Trends in Applied Physics*” UGC

Sponsored programme held in the Dept. Of Physics, K.R.K. Govt. Degree College Addanki, Prakasam District, A.P 16th December to 17th December, 2015.

7. Presented a paper on “Effects of Pr³⁺ / Mn²⁺ co-doped spectroscopic features of BaO – B₂O₃ – Al₂O₃ – SiO₂ glasses” in International Seminar on “Glasses and other Functional Materials” held at Dept. of Physics, Acharya Nagarjuna University, Guntur, from 11th to 13th December, 2014.

LIST OF WORKSHOPS ORGANIZED: 01

- ❖ 3-Day Workshop On "Scope of Sciences and Mathematics in Engineering" at Gudlavalleru Engineering College, Gudlavalleru from 11-08-2011 to 13-08-2011.

LIST OF WORKSHOPS /SEMINARS ATTENDED:

1. Attended NPTEL Workshop organized by Gudlavalleru Engineering College, Gudlavalleru on 6 December 2018.
2. Attended International Seminar on Physics and Chemistry of material and applications ISPCMA-2017, organized by SPMH Kalasala, Machilipatanm on 4th – 5th January, 2017.
3. Attended national workshop AP science congress -2016, organized by Andhra Pradesh Science Academy, held at Siddhartha Academy, Vijayawada on 07 - 09 November 2016.
4. Attended **International conference on “Science and Engineering of Materials for Future needs (ICSEMF-2015)”** held in S.R & B.G.N.R Govt. Arts & Science College, Khammam, Telangana, 21st December to 22nd December, 2015.
5. Attended National conference on “**Recent Trends in Applied Physics**” UGC Sponsored programme held in the Dept. Of Physics, K.R.K. Govt. Degree College Addanki, Prakasam District, A.P 16th December to 17th December, 2015
6. Attended International Seminar on “Glasses and other Functional Materials” held at Dept. of Physics, Acharya Nagarjuna University, Guntur, from 11th to 13th December, 2014.
7. Attended National workshop A Two – Week ISTE Workshop on “Signals and Systems “IIT Kharagpur in ECE Dept. GEC 02-01-2014 TO 12-01-2014.
8. Attended A Two – Day National Workshop on “Advances and Material Processing” Acharya Nagarjuna University , Guntur 28-03-14 To 29-03-14
9. Attended One week Refresher course on Electronic Devices and Circuits Organized by Gudlavalleru Engineering College, Gudlavalleru. 23-09-2013 To 28-09-2013.
10. Attended Natural Hazards-Role of Civil Engineers Gudlavalleru Engineering college Gudlavalleru,,24-08-12 to 25-08-12

LIST OF ONLINE WEBINARS /FDP’S ATTENDED:

1. Attended One Week Online FDP On” Recent Advances On material Characterizations” Department of Physics Krishna University, Machilipatnam from 29August 03 september2022.
2. Attended A Three day Faculty development program on “Physics of Materials ” JAIN Deemed –To-Be- University , Karnataka ,28- 30 th May 2020.
3. Attended One Week FDP on “Materials: Recent Trends & Engineering

Applications” organized by Gokaraju Rangaraju Institute of Engineering and Technology Hyderabad, 02 - 07 th June 2020.

4. Attended A Five day Faculty development program on “Recent trends in Applied Physics and Material Science” organised by QISCET, Ongole ,8 -12 th June 2020.
5. Attended National Level FDP on “Multidisciplinary Approach towards Emerging Trends in Science and Humanities[MASH-2020]” organised by Rama Chandra College of Engineering Eluru, 01-05th June 2020.
6. Attended International Webinar on "Materials and Environmental Sciences ” Sir C R Reddy College, Eluru, 12-13 th June 2020.
7. Attended FDP on “Advanced materials and Characterization” organized by NIT Andhra Pradesh ,Tadepalligudem 15-19 th june ,2020.
8. Attended International Seminar Virtual Conference on High Performance Materials for Energy, Environment & Healthcare in the Digital Era” organized by Vellore Institute of Technology,Chennai,30 th June & 1st July 2020.
9. Attended Two Days E-Workshop on “Virtual Labs in Physics and Electronics” Aurora Degree and PG College ,Hyderabad 3- 4 th July 2020.
10. Attended International Webinar on “Fully Biodegradable Composites: A New era in Materials” organized by Acharya International webinar series, 5 th July.
11. Attended Online webinar on Outcome Based Education Road-Map to E-Learning & Accreditation organized by Informatics Publishing Ltd, Bangalore May 29th.
12. Attended -Two day- National Level FDP on “The Strategies for Enhancing Professional Communication” organized by Raise Krishna Sai Prakasam Group of Institutions Ongole, 8 - 9th June, 2020.
13. Attended webinar on “Impact of Covid In Engineering Education and Way Farward” organized by ISTE Chapter, Gudlavalleru Engineering College ,Gudlavalleru, 9 th June 2020.
14. Attended 5 day International FDP on Engineering Physics and Materials Science”, organized by CBIT,Hyderabad from 3 - 7th August 2020.
15. Attended 5 day International FDP on Enhancing Digital Proficiency : A platform for Refining the Research and Teaching Skills organized by Adikavi Nannayya University from 12 - 16th August 2020.
16. Attended 7 day International FDP Contemporary Amelioration in Nano Structured Materials organized by JEPPIAAR Eng.College,Chennai from 21 -27 August 2020.
17. Attended 5 day International FDP on “Recent Trends and Perspectives in Spintronic and Optical Materials” organized by NIT,Andhra Pradesh from 26-30thOctober 2020.
18. Attended 7 day International FDP on "Universal Human Values in the context of Student Induction Program" organised by NIT, Warangal from 2-7th November 2020.

CERTIFICATIONS:

1. Received NPTEL Online Certification FDP for the course “Nanotechnology, Science and Applications” (8 Week Course) July - Dec, 2019 with 75% (Elite + Silver) score from IIT, Madras.
2. Received NPTEL Online Certification FDP for the course “Laser fundamentals and applications ” (8 Week Course) January –April 2019 with 95% (Elite + Gold) score

- from IIT, Madras.
3. Received NPTEL Online Certification for the course “Solid State Physics ” (12 Week Course) **October 2018** with 91% (Elite + Gold Top 5%) score from IIT,Kharagpur.
 4. Received NPTEL Online Certification for the course “Physics of Materials” (12 Week Course) **October 2018** with 80% (Elite) score from IIT, Madras.
 5. Received NPTEL Online Certification for the course “Atomic and Molecular Physics” (12 Week Course) **June 2018** with 77% (Elite) score from Madras.
 6. attended NPTEL Workshop organized by Gudlavalleru Engineering College, Gudlavalleru on 6 December 2018.
 7. Received a certificate of appreciation for Faculty Program on NBA with a passing score of 100% organized by Bharati Vidyapeeth College of Engineering , Navi Mumbai, 12 th May 2020.
 8. Received a certificate of participation in online National Quiz Programme on “ Basic Principles of Physics” organized by Sir C R Reddy College, Eluru ,6/6/2020 to 12/6/2020.

INDUSTRIAL TRAINING: NIL

GUEST LECTURES DELIVERED: NIL

MEMBERSHIP IN PROFESSIONAL BODIES: NIL

CONSULTANCY ACTIVITIES: NIL

GRANTS FETCHED: NIL