

Dr.S.V.G.V. A.PRASAD PROFILE



Dr.S.V.G.V.A.Prasad
Professor In Physics

e-mail ID : somarouthu13@yahoo.co.in

Mobile No: 7780201394,
9849319179
9032070682

Personal Details :Name : Dr.Somarouthu Venkata Govardhana Veera Anjaneya Prasad

Father's Name: S.Hara Gopala Krishna

Date of Birth : 13-05-1971.

Date of Appointment as Lecturer: Un-Aided (six men committee): 01-11- 1996.

Aided : 31-07-1998

Address:

Office

Home

D.No: 68-10-34/8
Nancy Street
Vidyuth Nagar
Kakinada-533003
East Godavari District
A.P

Academic Qualifications:

1. D.LITT .
2. Ph.D in Physics, Acharya Nagarjuna University, Nagarjuna Nagar, Guntur, 2007.
3. M.Phil in Physics, Acharya Nagarjuna University, Nagarjuna Nagar, Guntur, 2002
4. M.Sc in Physics, Andhra University, Visakhapatnam,1994.
5. B.Sc. , V.S.M College, Ramachandrapuram,E.G.Dt.,1992.
6. Introductory programme in Nanotechnology from NSTC.

Previous Experience :

S.G.Lecturer in Physics from 01-11-1996 to 23-05- 2013,A.J.Kalasala,Machilipatnam.

S.G.Lecturer in Physics from 2013 to 2019 , Ideal College of Arts and Sciences (A),Kakinada.

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Present Positions:

1. Research Director, Acharya Nagarjuna University, Nagarjuna Nagar, Guntur.
2. Research Director, Prist University, Tamilnadu.

Membership:

1. Member in the International Society for Environmental Information Sciences, Canada.
2. Alumni member in BOS , Department of Physics, V.S.M College, Ramachandrapuram, E.G.Dt.
3. Member in the Society for Material Chemistry.
4. Life Member in the Association of Physics Teachers.
5. Life Member in ISKON.
6. Life member in the Indian Science congress.
7. Life member in the Luminescence society of India.
8. Member of 'Editorial Board' for all affiliated Journals of BEI-ESP.
(Blue Eyes Intelligence Engineering & Sciences Publication Pvt. Ltd.)
9. Reviewer for IJERT. (International Journal of Engineering Research and Technology).
10. Local Committee member in International Seminar on Science and Technology of Glass Materials (ISSTGM-2009) held at ANU, Nagarjuna Nagar, Guntur.
11. National Advisory Committee member in UGC sponsored National Seminar on Multi Functional Materials Synthesis and Applications (MFMSA-2015) held at The Hindu College, Machilipatnam.

Field of Specialization:

1. Title of the Ph.D. Thesis:

Dielectric and spectroscopic properties of $Ba_2O_3-M_2O_3$ (M=Ga, Al, In)- P_2O_5 glass system doped with some transitional and rare earth ions.

2. Research Supervisor : Prof. N.Veeraiah, Acharya Nagarjuna University, GUNTUR.

Number of books Edited:

3. Proceedings of UGC sponsored National seminar on Multi functional materials synthesis and applications
4. Proceedings of International Forum On Recent Trends In Physics, Chemistry & Allied Sciences For Sustainable Development 2019 .

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Examiner:

Served as external examiner at Intermediate, B.Sc., M.Phil and Ph.D. in Physics programmes of Intermediate board and some Universities such as

1. Sri Venkateswara University, Tirupathi.
2. Acharya Nagarjuna University, Nagarjuna Nagar, Guntur.
3. Priest University, Tamilnadu.
4. Krishna University, Machilipatnam.

Guest Lectures Delivered:

1. On Ceramic Materials at Noble College, Machilipatnam.
2. On Lasers at The Hindu College, Machilipatnam.
3. On Photo electric effect and its applications at PRGC ,Kakinada .
4. On solid state Physics at V S R govt. Degree and P G college,Movva,Krishna district.
5. On Renewable energy sources at V S M college,Ramachandrapuram.

Areaof Research:

1. Glass Science, Thermal, Dielectric Properties and Spectroscopic properties

Number of Research students guided so far: Ph.D. – **01**

M.Phil. – **04**

S.No	Name of the Scholar	Degree awarded	University	Year
1	Koppakala Bharathi Manoja	M.Phil	Priest	2010
2	Md.Yousuf Sayyad	M.Phil	Acharya Nagarjuna University	2012
3	B.Subrahmanyeswara Rao	M.Phil	Acharya Nagarjuna University	2013
4	B.Lakshmana Rao	Ph.D	Acharya Nagarjuna University	2015
5	T.N.Bhavani	M.Phil	Acharya Nagarjuna University	2016

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2. Number of Research students doing research at present:

Ph.D. –01

M.Phil. – 00

S.No	Name of the Scholar	Degree	University
1	T.N.Bhavani	Ph.D.	Acharya Nagarjuna University

Number of Seminars/Symposium/Conferences/Workshops conducted – 3

1. One day state level seminar on “Recent trends in materials science” 22nd February 2014.
2. One day state level Workshop on “RENEWBLE ENERGY” 20TH AUGUST 2018.
3. Two days National Seminar on Study on Interaction between Human Society and Natural Environment & Natural Resource Management on 24th & 25th January 2019

Number of Research publications in National and International Journals & Seminar Proceedings– 57

Number of papers presented at Seminars/ Symposia/ Conferences/ Workshops – 68 (National -40 and International – 28)

Orientation and Refresher Courses: 05

Number of Workshops attended-15.

Research Publications:

1. S. V. G. V. A. Prasad, G. Sahaya Baskaran, and N. Veeraiah “Spectroscopic, magnetic and dielectric investigations of BaO–Ga₂O₃–P₂O₅ glasses doped by Cu ions” *Physica status solidi a*, 202, No. 14, 2812–2828 (2005).
2. S.V.G.V.A. Prasad, M. Srinivasa Reddy, N. Veeraiah “Nickel ion—A structural probe in BaO–Al₂O₃–P₂O₅ glass system by means of dielectric, spectroscopic and magnetic studies” *Journal of Physics and Chemistry of Solids*, 67 (12), 2478-2488 (2006).
3. M. Srinivasa Reddy, S. V. G. V. A. Prasad, and N. Veeraiah “Valence and coordination of chromium ions in ZnO–Sb₂O₃–B₂O₃ glass system by means of spectroscopic and dielectric relaxation studies” *Physica status solidi a*, 204, No.3, 316-312(2007).

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4. S.V.G.V.A. Prasad, M. Srinivasa Reddy, V. Ravi Kumar, N. Veeraiah "Specific features of photo and thermoluminescence of Tb³⁺ ions in BaO–M₂O₃ (M = Ga, Al, In)–P₂O₅ glasses" *Journal of Luminescence* ,127 (2007) 637–644 (2007).
5. S.V.G.V.A.Prasad, T.Satyanarayana,A.Padmanaabham "Photoluminescence Studies of Eu³⁺ ions In BaO-M₂O₃(M=In,Al,Ga)-P₂O₅ Glasses"Conf.Series: International Conference on Luminescence and Its applications (ICLA-2008) 189.
6. S.V.G.V.A. Prasad, B. Lakshmana Rao "Optical absorption and fluorescence spectral studies of Sm³⁺ ion in BaO-M₂O₃ (M = Ga, Al, In)-P₂O₅ glass systems" *IOP Conf. Series: Materials Science and Engineering*, 2 (2009) 012043 .
7. S.V.G.V.A.Prasad,Y.Gandhi and N.Veeraiah " "Optical absorption and fluorescence spectral studies of Tb³⁺ ion in BaO-M₂O₃(M=Ga,Al and In)-P₂O₅ glass systems" *Proceedings of the National seminar on Luminescence and Its Applications (NCLA-2009)*.
8. G.Murali Krishna, S.V.G.V.A.Prasad " Spectroscopic properties of Li₂O-CaF₂-P₂O₅ glass system crystallized with different nucleating agentd" *Proceedings of the International Conference on Multifunctional Materials (ICMM-2010)*.
9. Ch.SrinivasaRao, T.Sri Kumar, M.Sundara rao, S.V.G.V.A.Prasad "Influence of titanium ions on structural and dielectric properties and spectroscopic studies of PbO-Bi₂O₃-As₂O₃ glasses doped with titanium ions" *Proceedings of the International Conference on Speciality Glass & Optical Fiber Materials, Technology& Devices (ICGF-2011)*.
10. Y.N.Ch. Ravi Babu, S.V.G.V.A.Prasad, A.Suresh Kumar "Spectrl Studies of Samarium Doped Heavy Metal Borophosphate Glass Systems" *Proceedings of the International Conference on Speciality Glass & Optical Fiber Materials, Technology& Devices (ICGF-2011)*.
11. Y.N.Ch. Ravi Babu, P. Sree Ram Naik, K. Vijaya Kumar, S.V.G.V.A. Prasad, A. Suresh Kumar "Spectral studies of Erbium doped heavy metal borophosphate glass systems " *Physica B: Condensed Matter*, Volume 407, Issue 4, Pages 705-711 (2012).
12. P. Naresh, G. Naga Raju, Ch. Srinivasa Rao, S.V.G.V.A. Prasad V. Ravi Kumar, N. Veeraiah "Influence of ligand coordination of cobalt ions on structural properties of ZnO-ZnF₂-B₂O₃ glass system by means of spectroscopic studies " *Physica B: Condensed Matter* ,Volume 407, Issue 4, Pages 712-718 (2012).
13. B.LakshmanaRao,Y.N.Ch.RaviBabu,S.V.G.V.A.Prasad "Spectroscopic and EPR studies on PbO–Y₂O₃–P₂O₅ glasses doped with molybdenum ion" *Physica B: Condensed Matter*, 429,68-72(2013).
14. B. Lakshmana Rao, Y.N.Ch. Ravi.Babu, S.V.G.V.A. Prasad "Magnetic and spectroscopic properties of PbO–La₂O₃–P₂O₅:Cr₂O₃ glass system" *Journal of Non-Crystalline Solids*, 382, 99–104(2013).
15. B.Lakshmana Rao, S.V.G.V.A.Prasad " Physical properties and optical absorption of PbO-Y₂O₃-P₂O₅:MoO₃ glass system" *Proceedings of theNational seminar on Multifunctional Materials(NSMFm-2013)*.
16. B. Lakshmana rao, Y. N. Ch. Ravi babu, P. Syam prasad, and S. V. G. V. A. Prasad "Spectroscopic Investigation of Tungsten Ions in Lead Scandium Phosphate Glass System" *Spectroscopy letters* , 48,90-95 (2013).
17. S V G V A Prasadand Y N C R Babu "Spectroscopic properties of BaO–Ga₂O₃–P₂O₅ glasses doped by molybdenum ions" *Indian Journal of Physics* , 88(4):427–431(2014).

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18. S.V.G.V.A. Prasad “The influence of valence states of tungsten ions on PbO–Y₂O₃–P₂O₅ glass network” *Journal of Molecular Structure*, 1074,636-640(2014).
19. S.V.G.V.A.Prasad, N.Rajesh Kumar and Y.N.Ch.Ravi Babu “Spectral properties of Ho³⁺ ion doped in Heavy metal oxide Glasses” *Proceedings of the UGC sponsored National seminar on Shaping the future with Green Chemistry, (SFGC-2014)* pp 113-117.
20. Y.N.Ch.Ravibabu and S.V.G.V.A.Prasad “Effect of Al₂O₃ on Optical Absorption Properties of Heavy Metal Oxide Glass System doped with Nd³⁺ Ion” *International Journal of Current Engineering and Technology*, Vol.4, 2588-2594(2014).
21. Y.N.Ch. Ravi Babu, S.V.G.V.A. Prasad, M. Kiran Kumar, A. Suresh Kumar “Fluorescence Features of Dy³⁺ Doped PbO-Bi₂O₃ Borophosphate Glasses” *Asian J. Research Chem.* 7(11) 913-918(2014).
22. V. Ravi Kumar, G. Naga Raju, S.V.G.V.A.Prasad, P.Raghava Rao, N. Narasimha Rao “Effect of Doping Ti³⁺ Ions on Spectroscopic Behavior of Lead Bismuth Phosphate Glasses” *International Journal of Science and Research* , ATOM-201405(2014).
23. Y.N.Ch.Ravi Babu, Malathi Rekha, N.Rajesh Kumar, S.V.G.V.A.Prasad “Spectral Investigations of Er³⁺ Doped Lead Bismuth Borophosphate Glasses” *ATOM-201408*(2014).
24. K.Jyothi Raju, B.Lakshmana Rao, G.naga Raju,S.S.R.Murthy, N.Prasad Babu, B.Sekhar, G.Vijaya Swaroop Sing and S.V.G.V.A.Prasad “Dielectric properties of BaO-In₂O₃-P₂O₅:MoO₃ glasses” *International Journal of Advanced Research in Physical Science*, Volume2 Issue 1(A),MFMSA-2015.
25. Y.N.Ch.Ravi Babu, S.V.G.V.A.Prasad,P.Venkata Ramana, P.Kamala, T.Malathi Rekha “Spectroscopic investigations of Nd³⁺ doped heavy metal oxide borophosphate” *International Journal of Advanced Research in Physical Science*, Volume2 Issue 1(A),MFMSA-2015.
26. B.Subrahmanyeswara Rao, K.Jyoti Raju,Y.N.Ch.Ravi Babu and S.V.G.V.A.Prasad “Optical Absorption Spectra of Li₂O-ZnO-B₂O₃ Glasses Doped With Copper Ions” *International Journal of Chemical and Physical Sciences*, Vol. 4, No,-5,34-38 (2015).
27. B.Lakshmana Rao,K.Jyothi Raju and S.V.G.V.A.Prasad “ Composition of Color Comments and applications of Glass Materials” *Proceedings of the UGC sponsored National seminar on Development of Advanced Materials in Physics and Electronics and Their Applications, (NSDAMPE-2014)* 14009.
28. K.Jyothi Raju, B.Lakshamana Rao and S.V.G.V.A.Prasad “Dielectric properties of BaO-In₂O₃-P₂O₅:MoO₃ glasses” *Journal of Advanced Research in Applied Science*,Volume 2 Issue 2,52-53(2015).
29. Y.N.Ch.Ravi Babu and S.V.G.V.A.Prasad “Spectroscopic investigations of Nd³⁺ doped heavy metal oxide borophosphate” *International Journal Of Luminescence And Applications*, Volume 5 Issue 2,271-276(2015).
30. Md.Sayyed Yousuf,K.Jyothi Raju,B.Lakshmana Rao,S.V.G.V.A.Prasad “The Optical absorption study of Li₂O-ZnO-B₂O₃:MnO glass system” *International Journal of Engineering and Advanced Research Technology*, Volume 1,Issue 6,39-41(2015).
31. B.Subrahmanyeswara Rao, K.Jyothi Raju,G.Naga Raju, A.Ravikumar, S.V.G.V.A.Prasad “The Optical absorption study of Li₂O-ZnO-B₂O₃:MnO glass system” *International urnal of Engineering and Advanced Research Technology*, 2015.

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32. K.Jyothi Raju Dr.B.Lakshmana Rao and Dr.S.V.G.V.A.Prasad “E S R Spectra of PbO-Ga₂O₃- P₂O₅:MoO₃ Glasses” International journal of research, June 2016.
33. K.Jyothi Raju,dr.B.Lakshmana Rao and Dr.S.V.G.V.A.Prasad” I R Spectra of Lead Gallium Phosphate Glasses doped with molybdenum ions” World journal of research and review, Volume-2, Issue-6, June 2016 Pages 10-12.
34. K.Rajani,Dr.B.Lakshmana Rao and Dr.S.V.G.V.A.Prasad “DTA traces of Lead Gallium Phosphate Glasses doped with tungsten ions” International journal of innovative research in science, engineering and technology, Volume-5, Issue-7, July 2016 Pages 12476-12478.
35. K.Rajani,Dr.B.Lakshmana Rao and Dr.S.V.G.V.A.Prasad “optical absorption spectra of pbo-ga₂o₃-p₂o₅ : wo₃ glasses” International Journal Of Engineering Sciences & Research Technology, 5(9): September, 2016, DOI: 10.5281/zenodo.61444.
36. Nanomaterials Applications published in Proceedings of NATSEM-2016.
37. Nanotechnology foe pollution control and applications of nanoparticles published in Proceedings of NATSEM-2016.
38. Environmental pollution control in Nanotechnology published in Proceedings of NATSEM-2016.
39. Nanomaterials and its applications published in Proceedings of ASTM-2016.
40. The structural investigation of PbO-Sc₂O₃-P₂O₅ glasses with MoO₃ as additive by means of spectroscopic studies published in Proceedings of NATSEM-2016.
41. Paperr published in the proceedings of the seminar at analysis of quality of recycling in waste management) CR Reddy college Eluru.
42. Published paper titled environmental remediation in the proceedings of the seminar on Recent trends in nano science and nano technology at M R College,Vijayanagaram on 26th and 27th Nov’2016.
43. Published paper titled in the proceedings of the seminar on An introduction to Piezo electric materials and its applications to Two day national seminar on “Smart Materials” at JMJ college Tenali, on 30th Nov and 1st Dec.
44. Paper published titled optical absorption spectra of PbO-Sc₂O₃-P₂O₅ glasses doped with MoO₃ in proceedings two day International seminar SCMA-17 at SPMH College from 04-01-17 to 05-01-17.
45. Paper published titled Nano technology for pollution :application of nano technology at ABCT-17 LOYYOLA college from 20-01-17 to 21-01-17.
46. Paper published titled spectroscopic studies of PbO-Sc₂O₃-P₂O₅ glasses with MoO₃ in proceedings the international seminar on Emerging trends in chemical,phormaceuical ,environmental science and technology at PR college,Kakinada 24-01-2016 to 25-01-2016.
47. Paper published titled Mathematics And Society in Proceedings of NCERTPAM-2017.
48. Paper published titled ethics in higher education as a tool for discovering our ultimate destiny in IJMART.
49. Paper published titled “Thermo Luminescence And Structural Characteristics Of ZnO–Li₂O–B₂O₃ Glass System Doped With Copper Oxide For Radiation Dosimetry” Published In Proceedings Of two day national seminar on “Recent Trends in Physics and Electronics” (NSRTPE-2017),Rayalaseema University,Kurnool.

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50. ACCEPTED AS REVIEWER IN ELSEVIER JUNE 2017
51. Paper published titled Dielectric dispersion in $PbO-Bi_2O_3-B_2O_3$ glasses mixed with Cr_2O_3 . "International Journal of Multidisciplinary, volume 3, Issue-06.16-June-2018.
52. Published Research paper Dielectric Dispersion in *PbO-Sc₂O₃-P₂O₅ glasses doped with molybdenum* Paper published in Journal paper, VOL 5 ISS 13P1 26191-26468 on June 2018
53. Published Research paper Dielectric Dispersion in $PbO-Bi_2O_3-B_2O_3$ Glasses mixed with Cr_2O_3 . Paper published in Research Review International Journal Of Multidisciplinary , ISSN: 2455-3085 (Online), Volume-03, Issue-06, PP 372-374 on June 2018
54. Published Research paper *PbO-Sc₂O₃-P₂O₅ glasses with Cr₂O₃ as additive by means of spectroscopic studies* Paper published in Journal paper, VOL 5 ISS 13P1 26191-26468 on August 21, 2018
55. Paper published titled *PbO-Sc₂O₃-P₂O₅ glasses with Cr₂O₃ as additive by means of spectroscopic studies* in **KY Publications, ISBN:978-93-87769-51-9** February 2019
56. Paper published titled "Study of Lead Yttrium Phosphate glasses containing chromium ions by means of Optical absorption" **KY Publications ISBN:978-93-87769-51-9**, February 2019
57. Presented paper "Absorption Spectra of $PbO-Ga_2O_3-P_2O_5;MoO_3$ glasses" in The proceedings of 107th Indian Science Congress at University of Agricultural Sciences, Bangalore from 3rd to 7th JAN 2020.

58.

INTERNATIONAL CONFERENCES/ SEMINARS :

1. International Conference on Luminescence and Its applications (ICLA-2008), National Physical Laboratory, New Delhi, February 13-16, 2008, Poster presentation, "Photoluminescence Studies of Eu^{3+} ions in $BaO-M_2O_3(M=In,Al,Ga)-P_2O_5$ Glasses".
2. International seminar on Science and Technology of Glass Materials (ISSTGM-2009), ANU, GUNTUR, March 16-19, 2009, Poster presentation, "Optical absorption and fluorescence spectral studies of Sm^{3+} ion in $BaO-M_2O_3 (M = Ga, Al, In)-P_2O_5$ glass systems".
3. International Conference on Multifunctional Materials (ICMM-2010), BHU, VARANASI, December 7-9, 2010, Poster presentation "Optical absorption and fluorescence spectral studies of Eu^{3+} ion in $BaO-M_2O_3 (M = Ga, Al, In)-P_2O_5$ glass systems".
4. International Conference on Speciality Glass and Optical Fiber: Materials, Technology and Devices (ICGF-2011), CSIR-Central Glass and Ceramic Research Institute, KOLKATA, Poster presentation .

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5. International seminar on Glass and Functional Materials (ISGFM-2014), ANU, GUNTUR, December 11-13, 2014, Poster presentation "Spectroscopic investigations of Nd³⁺ doped heavy metal oxide borophosphate glass".
6. 3rd Annual International Conference (AIC-3) and Industry – CCRs Congress (ICC) 2015 jointly organized by Coastal Chemical Research Society and Dr.B.R.Ambethkar University, Srikakulam, December 16-17, 2015, Poster presentation "The structural influence of manganese ions in Lithium Zinc Borate glasses by means of optical absorption study".
7. International conference on Science and Engineering of Materials for Future Needs
8. (ICSEMF-2015), S.R & BGNR Govt. college, Khammam, December 21-22, Poster presentation, "Dielectric studies on MnO doped Li₂O-ZnO-B₂O₃ glass system"
10. Attended ISC104 at S V University, Tirupathi from 03-01-17 to 07-01-17.
11. Attended two day International seminar SCMA-17 at SPMH College from 04-01-17 to 05-01-17.
12. Attended the international seminar on Emerging trends in chemical, pharmaceutical, environmental science and technology at PR college, Kakinada from 24-01-17 to 25-01-17.
13. Presented a paper in one day international symposium on Recent Innovations in Engineering Materials (RIEMS)-2017.
14. Presented a paper in Two days International seminar On "Renewable Energy Technologies for smart cities" at Sir C.R.Reddy College, Eluru on 12th & 13th February 2018.
15. Presented a paper in Two days International seminar On "Solar technics for smart cities" at Sir C.R.Reddy College, Eluru on 12th & 13th February 2018.
16. Presented a paper in Two days International seminar On "Global Warning & Global Warming" at Sir C.R.Reddy College, Eluru on 12th & 13th February 2018
17. Paper published titled "**Status Of Renewable Energy**" in **INDIA Research Review International Journal of Multidisciplinary**, ISSN 2455-3085 February 2019
18. Paper published titled "**Efficiency of Solutions to Reduce Water Impurity And Pollutants**" in **INDIA Research Review International Journal of Multidisciplinary**, ISSN 2455-3085 February 2019
19. Paper published titled "**Wind Energy and Global Policy in INDIA**" in **INDIA Research Review International Journal of Multidisciplinary**, ISSN 2455-3085 February 2019

REVIEW ARTICLE "WORLD NEEDS TO KNOW" ACCEPTED FOR
PUBLICATION IN INTERNATIONAL JOURNAL OF RESEARCH AND ANALYTICAL
REVIEWS(IJRAR) JUNE 2019 ISSN:2349-5138 IMPACT FACTOR:6. MAY 2019

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20. Published paper “ THE ROLE OF WOMEN IN HIGHER EDUCATION IN INDIA” IJARIT JUNE 2019 ISSN: 2454-132X IMPACT FACTOR : 4.295.
21. Published paper “ **NEED OF COPUTATIONAL PHYSICS TO THE UNDERGRADUATE COURSES**” in Recent trends in Physics, Chemistry & Allied sciences book ISBN: 978-93-86435-86-6 , September 2019.
22. Presented paper “**Challenges And Opportunity towards Renewable Energy In India**” in International Forum On Recent Trends In Physics, Chemistry & Allied Sciences For Sustainable Development 2019 at Ch.S.D.St.Theresa’s College For Women, Eluru, on 27th & 29th SEP 2019.
23. Presented paper The Role of Renewable Energy in Rural Development” in The 107 Indian Science Congress at University of Agricultural Sciences, Bangalore from 3rd to 7th JAN 2020.
24. Presented paper “**Revolution on plastic waste roads**” in Two days national Seminar on “**Present Research in Green Sustainable Technologies** ”in Journal of Interdisciplinary Cycle Research Volume XII, Issue II, ISSN NO: 0022-1945 Impact factor 6.2 at P.R.Goverment college.Kakinada on 18th & 19th Dec 2019.
25. Presented paper “ The Recent advances and their Emerging applications of Solar PhotovaltaicSystems ” in Journal of Information and Computational Science, Volume 10, Issue 1 ,ISSN: 1548-7741, Impact factor 6.2 in National Conference on RTMC-2020 at VSM College, Ramachandrapuram on 29th & 30th JAN 2020.
26. Presented paper “ Green Concrete Materials for Sustainable Environment ” in Journal of Information and Computational Science, Volume 10, Issue 1 ,ISSN: 1548-7741, Impact factor 6.2 in National Conference on RTMC-2020 at VSM College, Ramachandrapuram.
27. Presented paper “ It's Time to think about recycling Li-Ion Batteries ” in Journal of Information and Computational Science, Volume 10, Issue 1 ,ISSN: 1548-7741, Impact factor 6.2 in National Conference on RTMC-2020 at VSM College, Ramachandrapuram.
- 28.

NATIONAL CONFERENCES/ SEMINARS:

1. Participated in UGC sponsored National Seminar on “Restructuring of Higher Education –Recommendations of the National Knowledge Commission”, The Hindu College, Machilipatnam, 8-9, March-2008.
2. Presented a paper “Optical absorption and fluorescence spectral studies of Tb³⁺ ion in BaO-M₂O₃(M=Ga,Al and In)-P₂O₅ glass systems” in National Conference on “Luminescence and Its Applications” (NCLA-2009), Central Glass and Ceramic Research Institute, Kolkata, 19-21, February-2009.
3. Participated in UGC sponsored National Seminar on “The Promise of Nanoscience”, PB Siddhardha College of Arts and Sciences, Vijayawada, 6-7, March-2009.
4. Participated in National Seminar on “Recent trend in Multi Functional Oxide Materials”, Osmania University, Hyderabad, 17-18, July- 2009.

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5. Presented a paper in UGC sponsored National Seminar on “Physics and Chemistry of Materials”, SVRM College, Nagaram, 30-31, July-2009.
6. Participated in UGC sponsored National Seminar on “Managing Self and Others”, The Hind College, Machilipatnam, 13-14, August-2009.
7. Presented a paper “Luminescence studies of Sm^{3+} , Eu^{3+} and Tb^{3+} ions in barium phosphate glasses mixed with IIIa metal ions” in National Seminar on “Display Phosphors and Its Applications” (NSDPA-2009), Vivekananda Degree College, Bangalore, 22-23, October-2009. (2nd Best Paper)
8. Participated in “Guru master Choa Kok Sui Yoga Vidya Pranic Healing Course” Machilipatnam, October -2009.
9. Presented a paper “ Physical and Optical properties of $\text{PbO-Y}_2\text{O}_3\text{-P}_2\text{O}_5$ glasses” in UGC sponsored National Seminar on “Multi Functional Materials” (NSMFM-2013), Andhra Loyola College, Vijayawada, 8-7, March-2013.
10. Conducted one day State level Seminar on “Recent Trends in Material Science” on 22 February 2014.
11. Presented a paper “ Spectral properties of Ho^{3+} ion doped in Heavy Metal Oxide Glasses”(SFGC-2014) in UGC sponsored National Seminar on Shaping the future with green Chemistry , Shree Padmavathi Mahila Kalasala, Machilipatnam, 27-28, June-2014.
12. Presented a paper on “challenges in Space” in UGC sponsored National Seminar on Applications , Advance and Challenges in Space Research (NSAACSR-2014), P.B.Sddhartha College of Arts and Science, Vijayawada, 19-20, September-2014.
13. Presented a paper “Glass Materials” in UGC sponsored National Seminar on Development of Advanced Materials in Physics and Electronics and Their Applications, Kakaraparti Bhavanarayana College, Vijayawada, 15-16, October-2014.
14. Presented a paper “Spectral investigations of Er^{3+} doped lead bismuth borophosphate glasses” in UGC sponsored National Seminar on Advanced Technology Oriented Materials (ATOM-2014), Government Arts College, Rajahmundry, 8-9, December-2014.
15. Presented a paper “ Dielectric Properties of $\text{BaO-In}_2\text{O}_3\text{-P}_2\text{O}_5\text{:MoO}_3$ glasses” in UGC sponsored National Seminar on Multifunctional Material Synthesis and Applications” (MFMSA-2015), The Hindu College, Machilipatnam, 23-24, January-2015.
16. Participated in UGC sponsored National Seminar on Recent Trends In Synthetic Organic and Natural Product Chemistry (RTSONPC-2015), Noble College, Machilipatnam, 20-21, February-2015.
17. Presented a paper “Spectroscopic investigations of Nd^{3+} doped HMO borophosphate glasses” in UGC sponsored National Seminar on Optoelectronic Device Materials (NSODM-2015), The Bapatla College of Arts and Sciences, Bapatla, 20, June-2015.
18. Presented a paper “ Optical absorption Spectra of MnO-doped $\text{Li}_2\text{O-ZnO-B}_2\text{O}_3$ glass system” in UGC sponsored National Seminar on Advanced Molecular Spectroscopic Techniques , Government Arts College, Rajahmundry, 21-22, August-2015.
19. Presented a paper “ Spectra of Bao-Zno- $\text{B}_2\text{O}_3\text{: MoO}_3$ glass system” in UGC sponsored National Seminar on Advances in Chemical Science (NSACS-2015), Kakaraparti Bhavanarayana College, Vijayawada, 18-19, September-2015.
20. Presented a paper “Dielectric studies of $\text{Li}_2\text{O-ZnO-B}_2\text{O}_3$ glasses doped with copper ions” in UGC sponsored National Seminar on Recent trends in applied physics, Addanki Govt. College, Addanki, 16-12-2015.

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21. Presented a paper “ Nanotechnology and its applications” in UGC sponsored National Seminar on Applications of nanomaterials in energy and environment, ASD (W) Govt. college,Kakinada,17-18-08-2016.
22. Attended Two day seminar NANCBS-16 atAndhra Loyola College(Autonomous), Vijayawada 14-09-16 and 15-09-16.
23. Presented a paper in Two day seminarAMST-16 at PR GDC ,Kakinada.23 and 24-09-16.
24. Presented a paper in Two day seminar on Energy and ecology-16 at C R REDDY college Eluru4th and 5th of October -2016.
25. Presented a paper in two days seminar on Recent trends in nano science and nano technology at M R College,Vijayanagaram on 26th and 27th Nov’2016.
26. Presented a paper in Two day national seminar on “Smart Materials” at JMJ college Tenali, on 30th Nov and 1st Dec.
27. Attended two day national seminarABCT-17 at LOYYOLA college from 20-01-17 to 21-01-17.
28. Presented a paper Introduction to Biomaterials two day national seminar on “Recent trends in material science” Andhra university 30thand 31st of May-2017.
29. Presented a paper mathematics include in Magneto Hydrodynamics at Sri Venkateswara University,Thirupathi on 29-08-2017.
30. Presented a paper Mathematics And Society at Sri Padmavathi Mahila Viswavidyalayam, Thirupathi on 29-08-2017and 30-08-2017.
31. Presented a paper Ethics In Higher Education As A Tool For Discovering Our Ultimate Destiny UGC Sponsored National Seminar On “Social Responsibility And Ethic In Higher Education” at V S R & N V R College , Tenali on 01-09-2017.
32. Presented a paper Dielectric Properties Of Lio-Zno-B2o3glasses Doped With Molybdenum Ions at S R R and C V R college,Vijayawada from 15-09-2017 to 16-09-2017.
33. Presented a paper “How to Conduct Environment Audit” in Two days National Seminar at K.B.N College,Vijayawada. 8th -9th December 2017.
34. Presented a paper “Green Synthesis of silver and palladium nanoparticles at room temperature using coffee and tea extract” at K.B.N College On 13th & 14th Dec 2017.
35. Presented a paper “Maintain Environment Sustainability by Plantation” at K.B.N College On 13th & 14th Dec 2017.
36. Presented a paper “Renewable Energy Supply And Energy Efficiency Technologies” in two days National Seminar on Alternate Energy Resources For Sustainable Environment on 14th & 15th February 2019 at P.R.GOV'T Degree College, Kakinada.
37. Presented a paper “ Physical & Optical Properties of Li₂O-Sb₂O₃-SiO₂ glass ceramics doped with Copper Oxide”in One day National Seminar on Recent Advances in Material Science at JKC College , Guntur on 14 February 2019.
38. Presented a paper “Study of Lead Yttrium Phosphate glasses containing chromium ions by means of Optical absorption” in One day National Seminar on Recent Advances in Material Science at JKC College , Guntur on 14 February 2019.

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39. Presented a paper “**Review On Recent Developments for Electric Applications**” in One day National Seminar on Advances in Materials and Environmental Science at D.N.R.Degree College, BHIMAVARAM on 25th FEB 2019
40. Presented paper “**Introduction to OBE**” in National Level Workshop on Outcome Based Education (OBE)- Possibilities & Challenges at ANR College GUDIVADA on 22nd NOV 2019.

Workshops:

1. Participated in Two days workshop on “e-learning and effective teaching” at a. JNTU,Hyderabad from 08-10-2009 to 09-10-2009.
2. Participated in one day workshop on “Multifunctional Materials” at Banaras a. Hindu University,Varanasi on 06-12-2010.
3. Participated in UGC sponsored two days workshop on “Value education Cell” a. at KBN College,Vijayawada from 24-07-2015 to 25-07-2015.
4. Participated in one day workshop on “ Light Emitting Devices and Materials
5. (LEDM-2015)” at Rajahmundry Arts College ,Rajahmundry on 20-11-2015.
6. Participated in Two days workshop on “Experimental research facilities in physics”
7. At JNTU,Vizianagaram on 01-07-2016 and 02-07-2016.
8. **Conducted one day workshop on Renewable Energy Sources on 20 August 2018.**
9. Participated two days “Science Academie’s Lecture Workshop on Higher Energy Physics” at M.R.College ,Vijayanagaram on 9th & 10TH August 2018.
10. Participated in one day National Workshop on “Intellectual property Rights-Issues And Challenges” in K.B.N College, Vijayawada on 13th NOV 2018
11. Participated in one day National Workshop on “Benefits and Challenges of Interdisciplinary Research” in K.B.N College, Vijayawada on 23rd NOV 2018
12. Participated in one day national workshop on “Academia-Industry Interface:strategies and perspectives for Resource Management and Organizational Development” at A.S.D.Govt Degree College for Women ,Jagannaickpur, Kakinada on 5-9-2019.
13. Partisipatedin One day national workshop on Emerging trends in renewable energy resources at Y.N.College, Narsapur on 3-Aug-2019
14. Partisipated one day national workshop on “Academia-Industry Interface:strategies and perspectives for Resource Management and Organizational Development” at A.S.D.Govt Degree College for Women ,Jagannaickpur, Kakinada on 5-Sep-2019.
15. Participated in Regional workshop “Skil Development “ at S.K.R.College for Women, Rajamahendravaram on 12-Dec-2019
- 16.