

PERSONAL PROFILE

Name: B. Nagamani

Designation: Lecturer in Physics

College Address: SRR & CVR GDC (A) Vijayawada

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Educational Qualifications : M.Sc, M.Phil, NET.



Professional Experience: 15 years as Lecturer in Government Degree Colleges

In service programs attended:

1. Attended RC in electronics at ASC, OU, Hyderabad from 26-2-2009 to 21-03-2009.
2. Attended OC at ASC, JNTU, Kukatpally, Hyderabad from 17-09-2012 to 16-10-2012.
3. Attended RC at in material science HRDC, UOH, Hyd from August 4- 24, 2017.
4. Completed NPTEL online course “ Experimental Physics -3”(12 weeks programme) with Elite certificate.(April 2022)
5. Completed RC in PHYSICS course offered by TLC, Ramanujan College, Delhi.(April 2022)
6. Completed Completed RC in PHYSICS course offered by TLC, Ramanujan College, delhi.(April 2022)
7. Completed NPTEL online course “ experimental Physics- 2 ”(12 weeks programme) with Silver certificate.(April 2019)
8. Completed NPTEL 4 weeks online course on “Structural analysis of nanomaterials”.(september 2018)
9. Completed NPTEL 8 weeks online course on “Basics of Fluorescence” with an elite certificate.(September 2017)

Training programmes attended / organised

1. Attended MOOCs Training Program at NIT, Warangal.
2. Attended 3 day online training program “Design and Delivery of Online course “ at HRDC, UOH, Hyd. from 06-05-2020 to 08-05-2020.
3. Attended & certified with online test for FDP on Moodle organized by Spoken tutorial project IIT B.
4. Certified FDP on ExpEYES organized by Spoken tutorial project IIT B.
5. Attended APCCE- US FDP on energy materials and advanced research 6-10 july 2020.
6. Attended FDP on characterization of materials organised by JNTU college of Vizianagaram 3- 7 Aug 2020.
7. Attended FDP on tools for online classroom post covid-19, 18-20 May 2020.
8. Organised FDP on ExpEYES under spoken tutorial :IITB for faculty.

Articles Published(International):

1. B.Nagamani, Ch. Srinivasu, “Mixed alkali effect on borosilicate glass structure with vanadyl ion as spin probe” *Mater. Res. Express* 2020 **7** 015207. <https://doi.org/10.1088/2053-1591/ab67f6>
2. B. Nagamani, Ch. Srinivasu “ Physical parameters and structural analysis of titanium doped binary borosilicate glasses by spectroscopic techniques” **Materials Today** , Volume 18, Part 6, 2019, Pages 2077-2083. <https://doi.org/10.1016/j.matpr.2019.06.263>
3. B.Nagamani, Ch. Srinivasu “Mixed Alkali Effect on Spectroscopic Properties of Molybdenum doped Borosilicate Glass” , AIP Conference Proceedings **2235**, 020003 (2020), <https://doi.org/10.1063/5.0007588>

4. B.Nagamani, Ch. Srinivasu "Spectroscopic exploration of 2% copper oxide doped Binary Alkali Borosilicate Glass", Rasayan J.Chem. , ISSN ;0974-1496 | e-ISSN:0976-0083| CODEN:RJCABP

Papers published at National Conferences

5. T. Satyanarayana, B. Nagamani, Investigation on Luminescence Properties of P_2O_5 -CaO- Na_2O - K_2O : Tm_2O_3 Glasses, Int. J. Sci. & Research, 4 (2014) 155-159.
6. Optical Band Gap of glass - Various Techniques, International Journal of Advanced Scientific Technologies in Engineering and Management Sciences (IJASTEMS-ISSN: 2454-356X) Volume.4,Issue.10,October (2018).
7. Synthesis, Physical Properties and FTIR Structural Studies of TiO_2 doped Mixed Alkali Borosilicate Glass systems, International Journal Of Research Culture Society Issn: 2456-6683, Special Issue : 8, FEB (2018) 97-100
8. Structural studies on mixed alkali borosilicate glasses- Physical Parameters, ISBN:978-81-928677-2-4, Proceedings of national conference at GRIET, Bachupally 29-30 Jan (2018).
9. Refractive index of mixed alkali glasses doped with MoO_3 - various methods ISBN :978-81-939248-3-9.
10. Effect on refractive index due to various factors, ISBN :978-81-939248-3-9
11. Protection Of Plant Varieties And Farmers' Rights – A Review", IPR challenges & issues, PR GDC, Kakinada.ISBN 978-81-933256-7-4.
12. B.Nagamani, Ch. Srinivasu, Spectroscopic studies of titanium doped borosilicate glasses, 24, 142 :ISBN-978-93-86435-86-6.