Bio-Data

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Personal Profile:

Name	**:**	P.Indira
Name of the Spouse	:	M.V.Vijaya Kumar
Date of Birth	**:**	05th April1971
Nationality	**:**	Indian

Academic Profile:

- **Ph.D. in Physics** from Acharya Nagarjuna University, Guntur, India (2015).
- **M. Sc. in Physics** from Sri Krishanadevaraya University, Anantapur, India**,** during 1993-1995 with an aggregate of **70%.**

  Specialization: Electronics
- **B.Sc.** from Ch.SD. St. Theresa Autonomous Degree college Eluru West.Godavari Dt with an aggregate of **83%.**
- **Intermediate** from St. Josephs Junior college for girls Nallapadu Guntur Dt Board of Intermediate Education A.P, during 1987-1989 with an aggregate of **75%.**
- **SSC** from Board of Secondary Education, during 1987 with an aggregate of **75.6%.**

Achievements/Awards:

- Qualified in **State Level Eligibility Test (SLET -1998).**

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Research Experience:

S.NO	Type of conference	Name of the institution	Date of seminar	Paper presented
1	National	PBN COLLEGE NIDUBROLU	7-11-2014 8-11-2014	Synthesis and photoluminescence studies of mixed rare earth orthophosphates (Tb,Eu)
2	National	S.P.M.H KALASALA Machalipatnam	27-6-2014 28-6-2014	Phosphor materials
3	National	Vasavi Eng.college Hyderabad	19-7-2013 20-7-2013	Applications of phosphor materials
4	national	S.R.R&C.V.R Govt.Degree college, Vijayawada	15-9-2017 16-9-2017	Prediction of density from SRK/PR Cubic Equation of state for a binary liquid at 308.15K
5	National	Vasavi Eng.college	30-8-2017 31-8-2017	Rare Earth Phosphors and their applications
6	national	RNS Institute of Technology, Bangalore	15-11-2010	"Synthesis and fluorescence of CaO-CdO doped with Eu Phosphor
7	workshop	SVRM College, Nagaram	16-6-2012	LED Materials & it's Applications
8	workshop	Vasavi Eng.college	9-11-2013	Light Emitting Diodes
9	International	Kakatiya Uni Warangal	28-3-2014 29-3-2014	Study of $LaYPO_4$ doped with Eu^{3+}
10	National	PES Institute of tech. Bangalore	8-1-2013to 10-1-2013	Study of $LaYPO_4$ doped with Tb^{3+}
11	National	The Bapatla college of arts& science college	20-6-2015	Photoluminescence studies of Tb^{3+} activated $LaYAlPO_4$
12	International	ANU Guntur	11-12-2013to 13-12-2013	Photoluminescence studies of Eu^{3+}activated $LaYAlPO_4$
13	National	Vasavi college of Eng Hyd	7-9-2018 8-9-2018	Blue emitting phosphor materials

LIST OF PUBLICATIONS IN JOURNALS

1. "Photoluminescence Properties of Trivalent Europium Doped Sr2Y2CeO7 Nano Phosphor", International Journal of Engineering and Innovative Technology (IJEIT), ISSN: 2277 - 3754, Vol-3, Issue-3, P. 356-360,(2013).
2. "Luminescent studies of rare earths doped SrS phosphor" International Journal of Innovative Research in Science, Engineering and Technology (IJIRSET), ISSN: 2319-8753, Vol-2, Issue-9, P. 4522-4530,(2013).
3. "Photoluminescence studies of Sr2Al2CeO7 doped with Eu" International Journal of Luminescence and its Applications (IJLA), ISSN: 2277 – 6362, Vol-3(II), P.95-97, (2013)
4. "Rare Earth doped LaPO4 Phosphor Synthesis and Characterization" International Journal of Scientific & Engineering Research (IJSER), ISSN 2229-5518 (communicated)
5. "Synthesis and characterization of Nano LaYPO4 doped with Eu and Gd phosphor" International Journal of Innovative Research in Science, Engineering and Technology (IJIRSET), ISSN: 2319-8753, Vol-2, Issue-9,P. 4618-4626,(2013).
6. "Applications of LaPO4:Eu0.5,Tb1,Ce0.5-5 Phosphor in optoelectronic Device", Proceedings of 2ndInternational Conference on Innovation in Electronics and Communication Engineering (ICIECE-2013), Hyderabad, India. P. 253(2013)
7. "Synthesis of LED application phosphors", Proceedings of National Conference on Synthesis & Applications of Novel Materials (NCSANM-2013), Nagpur, India. ISSN: 2229-4554, P. 36-39 (2013).

8. “Low Temperature Thermo Luminescence of Sr3Al2O6: Eu and Eu,Sm Phosphor”, Proceedings of International Conference on Luminescence and its Applications (ICLA-2012), Hyderabad, India, ISBN:81-6717-806-5, P.317(2012).
9. “Synthesis and Luminescence Characteristics of Ca2SiO4: Ce Phosphor”, Solid State Nuclear Track Detectors and their Application, Narosa Publication, ISBL: 978-81-8487-259-0.p.219-221, (2013)
10. “Luminescent Studies of rare earths doped SrS Phosphor”, Proceedings of National Conference on Applied Physics and Material Science, Hikey Media Printers Publications, ISBN: 978-93-82570-10-3, (2013).
11. “Synthesis and fluorescence of CaO-CdO doped with Eu Phosphor”, Proceedings of National Conference on Phosphors and their Applications (NCPA-2010), ISBN- 978-81-910787-1-8, P.92-95(2010).
12.Travelling planetary scale waves in the lower ionosphere derived from A3 absorption measurements Visakha science journal Vol.2 No.1,1998 pp.47-50

13. Effect of Tb^{3+} and Gd^{3+} on Photoluminescence behavior of Eu^{3+} doped $La_{0.6}Y_{0.4}PO_4$ Phosphor Advance Physics Letter ISSN(PRINT): 2349-1094,ISSN (ONLINE):2349-1108 Vol.1 Issue 1,2014

14. Synthesis and Characterization of RE Doped nano Lanthanum Yttrium phosphate Phosphor. Vol-4 Issue -6 June-2015 ISSN No-2277-8179

15. Photoluminescence Studies of Tb^{3+} Activated Nano $La_{0.5}Al_{0.2}Y_{0.3}PO_4$ Phosphor International Journal of Luminescence and Application(ISSN:2277-6362) Vol-5 No.2 ,June2015 Atricle ID:109,pp 283-286
16. Snthesis, Photoluminescence properties of Rare Earth Doped Nano $Sr_2Y_2CeO_7$ Phosphor International Journal of Luminescence and Application(ISSN:2277-6362) Vol-5 No.2 ,June2015 Atricle ID:109,pp 283-286

17. Synthesis and characterization of Tb^{3+} activated $La_{0.6}Y_{0.4}PO_4$phosphor
Author links open overlay panelP.Indira[a]S.Kondala Rao[b]K.V.R.Murthy[c]
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18. Red emitting phosphors
Cite as: AIP Conference Proceedings 2104, 030021 (2019); https://doi.org/10.1063/1.5100448
Published Online: 07 May 2019
P. Indira, S. Kondala Rao, and K. V. R. Murthy
19. Target SARS-CoV-2: theoretical exploration on clinical suitability of certain drugs

Sk. Md Nayeem, E. Mohammed Sohail, N. V. Srihari, P. Indira & M. Srinivasa Reddy

https://www.tandfonline.com/doi/full/10.1080/07391102.2021.1924262?cookieSet=1

Acquired Skills:

- Ability to work independently as well as in a team
- Acquired experimental skills on the preparation of Luminescent materials.
  - Ball milling method

  Sri Krishanadevaraya University
- Adequate experimental knowledge on different characterization techniques:
  - Powder X-ray diffractometer
  - Fourier Transform Infrared Spectroscope

- UV-VIS-NIR Spectrophotometer project proposals