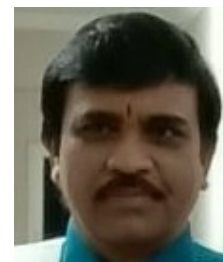


RESUME



Name : **Dr. VENKATA SATHYANARAYANA JOSYULA**
Date of Birth : October 27, 1967
Nationality : Indian
Present Address : Dr. J.V.Sathyanarayana
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Qualifications:

B.Sc. (1988) with Mathematics, Physics and Statistics as Subjects passed with **Distinction** from S V University, Tirupati.

M.Sc. (1990) Physics with Electronics & Electro-Acoustics as Electives passed with **First** class from S V University, Tirupati

M.Phil. (1993) Solid Spectroscopy as the main research field passed with **First** class from S V University, Tirupati.

Title of the Dissertation: **Absorption and Photo-luminescence Spectra of Sm³⁺ & Dy³⁺ - doped Fluoroborate Glasses.**

Ph. D. (1995) Solid State Spectroscopy from S V University, Tirupati.

Title of the Thesis: **Studies on the Optical properties of certain lanthanide ions doped Fluoroborate – Semi -conducting - Chalcogenide Glasses**

Computer's Diploma in Systems Management (1994), NIIT, Tirupati.

Experience:

(a) Research : (15 years) A good reputed work has been carried out in the preparation and characterization of certain lanthanide ions doped glasses that are identified as laser optical materials.

No. of UGC Projects Under taken: **ONE** Minor Research Project (1998 – 2000)

Title of the Project: **Spectroscopic and Non-linearity properties of certain laser Glasses**

No. of M. Sc. Projects Guided : **02** (2006) ; No. of B. Tech. Projects Guided : **01** (2019)

No. of Research Papers Published : **15** National : **01** International: **14**

No. of papers (Research papers) presented in the National conference: **05**

No. of General papers Published : **01** (2005) (**University News, India**)

(b) **Industrial** : (2 years) (1991– 93), Worked as an Assistant Engineer (Quality Assurance) in M/s GML Chip Components Ltd., Karakambadi, Renigunta (near Tirupati). During the above period, various testing methods for the Multi layer Ceramic Chip capacitors and documentation for ISO 9000 were carried out.

(c) **Teaching** : (25 years)

- Currently working as an Assistant Professor in Physics in RVR&JC College of Engineering, Guntur, Andhra Pradesh, India.
Lecturer (1995–2002); Senior Lecturer (2004–2008)
Assistant Professor (2008 – 2012), Associate Professor (2012-till date)
- Involved in teaching Engineering physics and Basic Electrical Engineering subjects to B. Tech students.

Present research work : Preparation and characterization (Optical properties) of various glasses & Nano glasses doped with rare - earth ions.

Main fields of Interest : Preparation and characterization of Futuristic new glass/crystalline/powder nano materials for their potential applications in Solid State ionic devices, optical Communication and the areas of electronics and allied fields. Glasses with antibacterial properties for biomedical applications (i.e. developments in Biocompatible glass compositions).

Membership of Learned Societies/ Professional Bodies : Life member Indian Liquid Crystal Society, Bangalore ; IAENG, Hong Kong, International Society for Research & Development, The Society of Digital Information and Wireless Communications(SDWIC)

Editorial Board member (Ref: IJARSE/2013/Dec107) for the **International Journal of Advance Research in Science and Engineering** (ISSN 2319-8353).

Reviewer for the **International Journal of Scientific and Engineering and Technology (IJSET)** (ISSN: 2277-1581).

Researcher ID: **k-8521-2017**

ORCID ID : **0000-0002-6834-2336**

Web of Science ID: **AAA-8916-2021**

Scopus ID: **8656632000**

Vidwan ID: **194449**

Google Scholar : **Citations: 64**

h-index: 3

i10-index: 3

Research Publications

1. Photoluminescence Spectra of Sm³⁺ & Dy³⁺ doped Fluoroborate Glasses
Ferroelectric Letters Section 15 (1993) 73.
2. Non - linearity – elastic properties and lifetimes of lasing transitions (⁴F_{3/2} → ⁴F_{11/2}) of Nd³⁺ doped Semiconducting Glasses.
J. Alloys and Compounds 216 (1994) 281.
3. Absorption and emission spectra of Eu³⁺ doped Fluoroborate Glasses.
Ferroelectric Letters Section 18 (1994) 141.
4. Absorption and emission spectra of Er³⁺ doped Fluoroborate Glasses.
Materials Research Bulletin 29 (1994) 1263.
5. Lasing Transition (⁴F_{3/2} → ⁴F_{11/2} at 1.06 μm) lifetimes and non-linearity characteristics of Nd³⁺ doped Chalcogenide Glasses.
J. Alloys and Compounds 224 (1995) 97.
6. Absorption and emission spectra of Ho³⁺ doped Fluoroborate Glasses.
Physics and Chemistry of Glasses 37 (1996) 41.
7. A comparative study of D.C. conductivities for certain Eu³⁺ : Fluoroborate Glasses.
Ferroelectric Letters Section 20 (1996) 59.
8. Fluorescence spectra of Dy³⁺ & Ho³⁺ doped dual lanthanide oxychloride powder phosphors.
Spectrochimica Acta 52 (1996) 367.
9. Fluorescence spectra of Sm³⁺ doped dual lanthanide oxychloride powder phosphors.
Material Letters 27 (1996) 367.

10. Fluorescence spectra of Eu^{3+} & Tb^{3+} doped lanthanide $\text{Na}_6\text{Ln}(\text{BO}_3)$ ($\text{Ln} = \text{La}, \text{Gd}, \text{Y}$) phosphors.
Spectroscopy Letters 29 (1996) 833.
11. Spectroscopic properties of Ho^{3+} : lithium chloroborate Glasses
Asian Journal of Physics 11(2) (2002)191-198.
12. A general paper on Basic Sciences and Engineering education in India: The Inseparable Duo
University News (New Delhi, India) July 25-31, 2005.
13. Non - Radiative energy transfer of $\text{Tb}^{3+} \rightarrow \text{Eu}^{3+}$ in sodium Fluoroborate Glass
International Journal of Engineering Science & Research Technology
(IJESRT) 2(10) October 2013, 2676-2679
14. Optical Absorption properties of Nd^{3+} : $\text{B}_2\text{O}_3 - \text{Na}_2\text{O} - \text{LiF}/\text{AlF}_3$ Glasses
International Journal of Advance Research in Science & Engineering (IJARSE) 4(1)2015.
15. A Review of Rare –Earth ions doped up conversion process in solar cells
International Journal of Engineering Science & Research Technology(IJESRT) 6(7)2017.

Papers presented in Conferences:

1. Presented a paper “Absorption and emission spectra of Eu^{3+} doped Fluoroborate Glasses” in the **XIIth Young Scientist Colloquium** held at Calcutta during 24-25th August 1994.
2. Presented a paper “Optical Properties of Er^{3+} : $\text{B}_2\text{O}_3 - \text{P}_2\text{O}_5 - \text{Li}_2\text{O} - \text{Li}_2\text{SO}_4$ glasses” in the **National Conference on Recent Trends in Materials Science & Technology** held at VIT (Deemed University), Vellore during 10-12th August 2005.
3. Presented a paper “Optical Properties of Tb^{3+} : $\text{B}_2\text{O}_3 - \text{PbO} - \text{ZnO}$ glasses” in the **National Conference on Application Oriented Materials** held at SRM Institute of Science & Technology (Deemed University), Kattankulattur (Chennai) during 21-22nd April 2006.
4. Presented a paper “**Optical Absorption Properties of Pr^{3+} : $\text{B}_2\text{O}_3 - \text{Na}_2\text{O} - \text{NaF}/\text{AlF}_3$ Glasses**” in the NCAM-2009 (National conference on Advanced Materials) held at PSN College of Engineering & Technology, Tirunelveli, Tamilnadu during 27 - 29th, August 2009).
5. Presented a paper **An over view of Rare – Earth doped upconversion in Solar Cells** in the National Seminar on Solar energy harvesting through Photovoltaic cells and storage held at RVR & JC College of Engineering, Guntur during 21-22 June 2013.

Workshops/Short term Courses/ Participated

1. Participated in the workshop on ‘**Fundamentals of Photo Sciences : Applications to basic research**’ organised by Indian Photobiology Society, Jadavpur University, Calcutta during October 7-12th 1996.
2. Attended the workshop on **ISO 9000** organised by SRKR Engineering College, Bhimavaram on 14th December 1996.
3. Participated **AICTE Induction Training Programme** conducted by Academic Staff College, Aligarh Muslim University, Aligarh from 8-28th May 1998.
4. Participated in the QIP Winter School on **Silicon as Optoelectronic material** organised by IIT, Kharagpur from 4-8th January 1999.
5. Participated in the QIP short term course on **Scientific Instrumentation** conducted by RSIC, IIT, Chennai from 6 – 10th December 1999.
6. Participated in UGC Sponsored Physics **Refresher Course on Ultrafast Lasers and Their Applications** organized by IIT, Chennai from 18-30th January 2002.
7. Participated in the QIP short term course on **Optoelectronics** conducted by IIT, Guwahati from 5 – 10th July 2004.
8. Participated in the QIP short term course on **Functional Nano materials : Science & Technology** conducted by IIT, Roorkee from 3 – 7th February 2007.
9. Participated in the AICTE QIP short term course on **Measurement of laser sensing and their applications** conducted by IIT, Chennai from 14 – 19th July 2008.
10. Participated in the Summer school on **Advances in Engineering Physics** at NITK, Surathkal during 6 - 11th July 2009.
11. Participated in the workshop on **Nanomaterials and thin films** organized by Department of Physics, NIT, Tiruchy during 8-9th March 2013.

12. Participated in the AICTE Sponsored workshop on **Futuristic trends of Nanocomposites and their fabrication (FTNCF-2013)** organised by Department of Mechanical Engineering, RVR & JC College of Engineering, Guntur during 6-7th September 2013.
13. Participated in the DST Sponsored seminar on Nano materials: Chemical industry organised by Department of Chemical Engineering, RVR & JC College of Engineering, Guntur during 16-17th September 2013.
14. Participated in the AICTE sponsored National Seminar on **Advances in Biomaterials for Medical Applications(ABMA-2014)** Organized by Department of Mechanical Engineering at RVR&JC College of Engineering, Guntur during March 14-15, 2014.
15. Participated in the National conference on **Applied Physics and Materials Science (APMS-2015)** Organized by Department of Physics at Vasavi College of Engineering, Hyderabad during August 7-8, 2015.
16. Participated in the National Seminar on **Materials Science and Technology (NAMASTE-2016)** Organized by Department of Physics at V. R. Siddartha Engineering, Vijayawada on 19th November 2016.
17. Participated in the National Seminar on **March to Make in India through Engineering Advancements (MMIEA)** Organized by Department of Mechanical Engineering at RVR&JC College of Engineering, Guntur during September 29-30, 2016.
18. Participated in the National Seminar on **Ethics and Human Values in Engineering** Organized by Department of Mechanical Engineering at RVR&JC College of Engineering, Guntur during 05-06 January, 2017.
19. Participated in the DST National Seminar on **Advances in Composite materials (ACM-2017)** Organized by Department of Mechanical Engineering at RVR&JC College of Engineering, Guntur during 20-21, April 2017.
20. Participated in The HINDU Literary Fest held at TJPS College, Guntur on 13.11.2018.
21. Participated STTP (ICT mode) on **Out Come Based Education and Accreditation** organized by NITTTR, Kolkata during 24-28th September 2018.
22. Participated in NPTEL workshop conducted by IIT, Chennai at RVR & JC College of Engineering, Guntur on 7th December 2018.
23. Participated FDP for the course CSBS designed by TCS conducted at Indian Statistical Institute, Kolkata during 15-17th July 2019.
24. Participated one week online FDP on Recent Trends in Applied Physics & Materials Science(RAM 2020) Conducted by QISCET, Ongole, A.P. during 8-12th June 2020.
25. Participated online International Webinar on **How to get Research Grants from UGC, AICTE** organized by MBIT, Kothamangalam, Kerala on 9th June 2020.
26. Participated online International Webinar on **Advanced Materials for Biomedical Devices: Challenges and Progress** organized by Sri Venkateswara College of Engineering, Pennalur, Tamilnadu on 24th June 2020.
27. Participated three days online FDP on Physics Trends in Technology & Research organized by C. Abdul Hakeem College of Engineering, Melvisharam, Ranipet, Tamilnadu during 26-28th June 2020.
28. Participated one week online FDP on **Current Trends in Physical Sciences** organized by Dr. APJ Abdul Kalam Technical university, Lucknow, U.p. and Indian Association of Physics Teachers, U.P. in association with Christ Church College, Kanpur during 22-28th July 2020.
29. Participated one week online AICTE sponsored STTP on Synthesis characterization and its applications of nanomaterials conducted by JNTU, Hyderabad during 24-29th August 2020.
30. Participated online webinar sponsored by NAAC on **Quality Enhancement in Higher Education Institutions** conducted by MBITS, Kothamangalam, Kerala during 10-11th December 2020.