



## **Dr. RAPOLU SRIDHAR**

Professor of Physics & Head of the Department  
Department of Basic Science & Humanities,  
Vignan Institute of Technology & Management for womens, Hyd

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### **Personal Profile:**

My primary goal is to put forth a strong contribution in education and research to the institution especially within my field of expertise. Having been an Associate Professor in previous institutions, I have involved myself in teaching to undergraduate students, research progress and in various administrative positions. One of my objectives is to contribute in the enlightening success of an institution by putting my best efforts into helping students achieve their best academic performance. As an Associate Professor, I aim for continuous learning and development of my teaching capabilities. With this being said, I am confident that all these objectives can be achieved.

### **Portfolio, Profiles:**

Research gate : [https://www.researchgate.net/profile/Rapolu\\_Sridhar](https://www.researchgate.net/profile/Rapolu_Sridhar)

Google Scholar: <https://scholar.google.co.in/citations?user=7x-iWkMAAAAJ&hl=e>

### **Education:**

- 09/2017**      **Ph.D., Physics (Nano Material),**  
Jawaharlal Nehru Technological University, Hyderabad, India.  
*“Synthesis, Magnetic and Electrical Transport Properties of Mixed  
Ni-Cu & Ni-Cr Nano Ferrites”*
- 04/1998**      **Master of Science (Physics), Govt.PG Center,**  
Osmania University, Hyderabad, India.
- 04/1996**      **Bachelor of Science (Physics, Mathematics, Chemistry),**  
Nalgonda College of Arts & Science Degree College, Nalgodna,  
Osmania University, Hyderabad, India.
- 09/2001**      **PGDCS,(Computer Science), University of Hyderabad, Hyderabad.**

### **Work History:**

- **11/2022 – Till date**  
Professor of Physics & Head of the department  
Vignan Institute of Technology & Management for womens, Hyderabad, India.  
(Vignan Group of Institutions)
- **08/2017 – 11/2022 ( 5years 3 months)**  
Associate Professor of Physics  
Vignan Institute of Technology & Science, Hyderabad, India.  
(Vignan Group of Institutions)
- **10/2011 – 08/2017 (5 years 10 months)**  
Associate Professor of Physics  
Vignan’s Institute of Aeronautical & Engineering, Hyderabad, India.  
(Vignan Group of Institutions)
- **10/2008 – 10/2011 (3 years)**  
Sr.Assistant Professor of Physics  
Vignan’s Institute of Aeronautical & Engineering, Hyderabad, India.  
(Vignan Group of Institutions)
- **10/2006 – 10/2008 (2 years)**  
Assistant Professor of Physics (Ratified by JNTU Hyderabad)  
Raja Mahendra College of Engineering, Hyderabad, India.
- **11/2001 – 10/2006 (5 years)**  
Lecturer/ Assistant Professor of Physics (Ratified by JNTU Hyderabad)  
Nagarjuna Institute of Technology and Science, Hyderabad, India.
- **07/1998 – 10/2001 (3 years 3 months)**  
Lecturer in Physics  
Kakatiya PG & Degree College, Nalgonda, Hyderabad, India

## **Additional Information**

**Teaching & Administration Experience: 24+ Years**

### **PROFILE OF ACADEMIC ACTIVITIES**

- ❖ Head of the department, Department of BS&H
- ❖ Planning and organizing departmental activities
- ❖ Handling & Monitoring I-B.Tech class work
- ❖ Member, College Academic Committee
- ❖ Convener, College level technical & culture fest
- ❖ Convener, Library committee
- ❖ Coordinator, Awareness Programme on “*EAMCET counseling & Goal setting*”.
- ❖ Coordinator, Ist B.Tech orientation day programme
- ❖ Coordinator, Spot valuation (JNTU HYDERABAD)
- ❖ In charge, Academic section & Examination Branch
- ❖ In charge, Admissions and Promoting the Vignan group of engineering institutions, Hyderabad
- ❖ In charge, Engineering Physics lab
- ❖ Student counselor

### **Certificate Courses:**

1. Completed “*Nanotechnology: A Maker’s Course*” an online non-credit course authorized by *Duke University, North Carolina State University and The University of North Carolina at Chapel Hill* and offered through *Coursera*
2. Completed “*AI for Everyone*” an online non-credit course authorized by *deeplearning.ai* and offered through *Coursera*
3. Completed “*Introduction to solar cells*” an online non-credit course authorized by an online Non-credit course authorized by *Technical University of Denmark (DTU)* and offered through *Coursera*
4. Completed “*Introduction to Thermodynamics: Transferring Energy from Here to There* an online non-credit course authorized by *University of Michigan* and offered through *Coursera*
5. Completed “*Quantum Mechanics*” an online non-credit course authorized by *University of Colorado Boulder* and offered through *Coursera*

### **Skills:**

- Ability to work independently as well as in a team with others.

### **Curriculum Development:**

- Developed innovative curriculum to instruct individual students, small groups and classes of 30+ students.
- Created comprehensive classroom social studies learning, resource, and encouraging students to take home, use and learn material, commanded by the principal on this outstanding learning tool.

### **Educational Assessment:**

- Spearheaded volunteer program to fulfill a need for students requiring additional assistance outside the classroom.
- Recognized the need for appropriate pacing and delay time to ensure all students understood.

### **Memberships & Others:**

#### ***Memberships:***

- **Senior Membership** (Life time) in the **Asia Society of Researchers (ASR)** with No: R219030504.
- **Life Membership** in **Magnetic Society of India (MSI)**
- **Profession Membership** (Life time) in the **Institution for Engineering Research and publications (IFERP)** with No: PMIN64253809.
- **Associate Member** in the **International Society for Development and Sustainability (ISDS)**, Japan.
- **Life Time Membership of Indian Association of Nanoscience& Nanotechnology (LT 1165)**. <https://sites.google.com/view/iannindia/membership/members>

#### ***Others:***

- Review Member for *International Journal of Creative Research Thoughts*, (UGC Approved journal) (ISSN: 2320-2882).
- Reviewer for *Engineering Physics* text book by *Dr. Rajendran* Published by *Tata McGraw-Hill* for I-B.Tech Students (Recommended text book for JNTUH).
- Received *best teacher award* for the academic year 2010-11 at Vignan's Institute of Technology & Aeronautical Engineering.

### **Research Experience:**

My area of research is nano materials and material science. The total research experience is 10 years out of total 22 years teaching experience. To my research credit I have published *fifteen research papers* in peer-reviewed SCOPUS/SCI and UGC approved journals, *three chapters* in peer reviewed books, authored *two text books* in international publications. I have attended and presented more than *40 research papers* at national/international conferences, seminars and attended more than *20 workshops & seminars*. I also organized *two* research events.

### **Publications:**

#### **Books**

1. Published a book entitle with “*Synthesis and Charactrization Techniques to Study the Mixed Nano Ferrite Composition*” in *Lambert Academic Publishing* (ISBN No: **978-613-9-44737-4**).
2. Published a book entitle with “*Magnetic and Electrical Transport properties of Nanoferrite system*” in *Lambert Academic Publishing* (ISBN No: **978-613-9-83696-3**).

#### **Book Chapters:**

1. Published entitle with “*Investigation on Structural, Magnetic and Electrical Properties of Chromium Substituted Nickel Nano ceramics*” in *Ceramic Materials, Intech Open Publication, USA* (ISBN: 978-953-307-145-9)  
*Rapolu Sridhar, D Ravinder, K Vijaya Kumar*
2. Published entitle with “*Investigation on Structural, Electrical and Magnetic Properties of Copper Substituted Nickel Nanoferrites*” in *Magnetic oxides and Composites II Materials Research Fórum LLC (MRF) Publication, USA* (ISBN: 9781945291685), Vol. 83, pp 233-265, 2020.  
*Rapolu Sridhar, D Ravinder, K Vijaya Kumar, G. Helen Ruth Joice,*
3. Published entitled "*Synthesis and Magnetic Properties of Ni-Cu Nano-Magnetic Ceramics.*" *Processing and Properties of Advanced Ceramics and Composites VI: Volume 249, Wiley publications, Ceramic Transactions* (2014): 71. (ISBN: 9781118995433)  
*Rapolu Sridhar, D. Ravinder, and K. Vijaya Kumar*

**Journals:**

1. Published entitled “**Ecofriendly synthesis, Crystal chemistry, electrical and low temperature magnetic properties of nano-particles (Li-Cr) for drug delivery and MRI applications.**” in *J Mater Sci: Mater Electron*, Springer publication, ISSN: 0957-45;  
*D. Ravinder Nayak, Rapolu Sridhar, Khalid Mujasam Batoo, Emad H. Raslan, Mohammad Hadi,*
2. Published entitled “**Influence of Doping Manganese on Optical, Structural, Electrical, Magnetic and Anti-bacterial Action of Cobalt Ferrite Nanoparticles Prepared by Citrate Gel Auto Combustion Method**” in *Biointerface Research in Applied Chemistry*, 7835 - 7846 (ISSN: 2069-5837) (SCI/SCOUPS INDEX) (SJR impact factor: 0.16)  
*B. Kiran Kumar, D.Ravikumar, R Sridhar, D.Ravinder, Ch.Abraham Lincoln*
3. Published entitled “**Thermo electric power, electrical resistivity and magnetic properties of Ni-Sm nano-particles**” in *Biointerface Research in Applied Chemistry*, 7835 - 7846 (ISSN: 2069-5837) (SCI/SCOUPS INDEX) (SJR impact factor: 0.16)  
*Gopal boda, Nehru boda, Rapolu Sridhar Panasa Reddy, D.Ravinder*
4. Published entitled “**Microwave-Assisted Synthesis of Palladium Nanoparticles Using Frankincense Resin and Evaluation of their Catalytic Properties**” in *Materials Letters* 278 (2020) 128427 (SCI/SCOUPS INDEX) (Impact Factor: 3.204).  
*Kondaiah Seku, Syed Sulaiman Hussaini, Narasimha Golla, Sridhar Rapolu, Rajkumar Bandi, Bhagavanth Reddy*
5. Published entitled “**Structural Characterization and Magnetic properties of Chromium substituted Nickel nano ferrites**” in *International Journal of Scientific and Engineering Research (IJSER)*, Volume 9, Issue 4, April 2018 (ISSN 2229-5518)  
*Rapolu Sridhar*
6. Published entitled “**Synthesis and Structural Characterization of Ni-Cr Nano Ferrites by Citrate-Gel Combustion Method**” in *International Journal of Creative Research Thoughts (IJCRT)* Volume 6, Issue 2 April 2018 (ISSN: 2320-2882)  
*Rapolu Sridhar*
7. Published entitled “**Synthesis of citrate gel auto prepared Li-Cd nanoferrites sintered at reduced temperature**” in *International Journal of Research Culture Society (IJRCS)* Issue-8, Feb-2018. (ISSN: 2456-6683), **Scientific Journal Impact Factor: 4.526,**

8. Published entitled with **“Influence of Cr<sup>3+</sup> ion on Magnetic properties of Ni nanocrystalline ferrite”**. In International Journal of Creative Research Thoughts (IJCRT) Feb 2018; 363-366 (ISSN: 2320-2882) (Impact Factor: 5.97)  
*K. Rama Krishna, K. Vijaya Kumar, R.Sridhar,, D.Ravinder*
9. Published entitled **“Thermoelectric behavior of Cr<sup>3+</sup> ion Substituted Nickel nano ferrites”** in International Journal of Research Culture Society (IJRCS) Issue-8, Feb-2018. (ISSN: 2456-6683), **Scientific Journal Impact Factor: 4.526**,  
*R.Sridhar, K. Vijaya Kumar, K. Rama Krishna, D.Ravinder*
10. Published entitled **“Magnetic and electrical properties of Cr substitution nanocrystalline Ni ferrite”** in *Processing and Application Ceramics 12[1] , 2018 ; 1-7* ISSN: 2406-1034 (Online version), SCI Expanded, SCOPUS, Impact Factor (IF): 1.152 SCImago Journal Rank (SJR): 0.318  
*K. Vijaya Kumar, R.Sridhar, D.Ravinder*
11. Published entitled with **“Dielectric properties of Chromium substituted Nickel nano ferrites”** in *International Journal of Nanoparticle Research, (IJNR) 2018; 2:6* (ISSN: 2577-4417) Scientific Indexing Services (SIS) Science Citation Index Expanded (Under Process)  
*K. Vijaya Kumar, R.Sridhar, D.Ravinder*
12. Published entitled with **“Temperature-dependence thermoelectric power studies of mixed Ni-Cu nano ferrites”** in *Journal of Alloys and Compounds*, Volume 645, 5, October 2015, Pages 436-442. (Impact factor : 3.776) Source Normalized Impact per Paper (SNIP): 1.403 SCImago Journal Rank (SJR) : 1.020 (Scopus) (ISSN : 0925-8388)  
*Rapolu Sridhar, D.Ravinder, K. Vijaya Kumar*
13. Paper published entitled **“Structural Properties and Electrical Conductivity of Copper Substituted Nickel Nano Ferrites”** in *International Journal of Applied Physics and Mathematics, Vol. 4, No. 2, March 2014.* (ISSN: 2010-362X)  
*Rapolu Sridhar, D.Ravinder, K. Vijaya Kumar, K. Rama Krishna*
14. Papers published entitled **“Dielectric Properties of Copper Substituted Nickel Nano-Ferrites”** in *International Journal of Engineering Research and Applications*, Vol.3, Issue 5, September-October 2013, pp. 2021-2024. (UGC approved Sl.No: 4525) (ISSN online: 2248-9622) ( Impact factor : 5.011)  
*Rapolu Sridhar, D.Ravinder, K. Vijaya Kumar*

15. Paper published entitled “**Synthesis and Characterization of Copper substituted Nickel Nano-Ferrites by Citrate gel technique**” in *Advances in Materials Physics and Chemistry*, Vol.2 No.3, 2012, 192-199. (ISSN Online : 2162-5328) (Impact factor : 0.70)

*Rapolu Sridhar, D.Ravinder, K. Vijaya Kumar*

**International Conferences:**

- 1) Attended *E-International Symposium on Synthesis and Characterization of Smart Materials and Their Potential Applications (ISSCSMPA-2020)*, during 14<sup>th</sup>-17<sup>th</sup> June, 2020 using CISCO Webex platform. Organized by University School of Basic and Applied Sciences Guru Gobind Singh Indraprastha University, New Delhi-110078, India.
- 2) Paper presented entitle with “**Structural Characterization and Temperature Dependent Thermoelectric Properties of Nanostructure Mixed Cd-Co Ferrite System**” in the International Conference on “Advances in Applied Sciences, Humanities and Technology to Overcome Global Disasters” (*ICAASHTOGD-20*) organized by the Department of Applied Sciences (Mathematics), Raja Balwant Singh Engineering Technical Campus, Bichpuri (Agra) India. (September 18 - 19, 2020)
- 3) Paper presented entitle with “**Synthesis and Structural characterization of Ni-Cr nano ferrites Synthesized by Citrate gel auto – combustion Method**” at *International Conference on Advanced Functional Materials (ICAFM-2017)*, 18<sup>th</sup> -20<sup>th</sup> December 2017, Rajiv Gandhi University of Knowledge Technologies, Basar, T.S.
- 4) Paper presented entitle with “**Dielectric properties of Chromium substituted Nickel nano ferrites**” *iCOLD-2017*, 20<sup>th</sup> - 22<sup>nd</sup> November 2017, IIT-Madras, India
- 5) Paper presented entitle with “**Resistive Switching property of copper-zinc thin film synthesized by citrate precursor method**” at 20<sup>th</sup> international conference of international academy of physical sciences on recent advances in physical sciences and future challenges (CONIAPS XX), 14<sup>th</sup>-16<sup>th</sup> July, 2017 at Faculty of Science, Osmania University, Hyderabad.
- 6) Paper presented entitle with “**Effect of Cr<sup>3+</sup> ion substitution on magnetic and electrical properties of nanocrystalline nickel ferrite**” at *International Conference on Magnetic Materials and Applications*, (ICMAGMA-2017) February 1<sup>st</sup>-3<sup>rd</sup>, 2017, conducted by DMRL, Hyderabad.

- 7) Paper presented entitle with “**Structural & Dielectric Properties of Mn doped BiFeO<sub>3</sub>**” at International Conference on Ceramics, Glass and Refractories – Emerging Innovations (CGREI-2016), 13<sup>th</sup> – 15<sup>th</sup> December, 2016 at IICT Hyderabad.
- 8) Paper presented entitle with “**Electrical properties of bismuth doped CoBiXFe<sub>2-x</sub>O<sub>4</sub> nano ferrites**” at International Conference on Materials Research and Applications (ICMRA-2016), 11<sup>th</sup>-13<sup>th</sup> March, 2016 at Department of Physics, CMR Technical Campus Hyderabad.
- 9) Paper presented entitle with “**Electrical properties of Mn doped Bismuth ferrite**” at International Conference on Innovative Methods in Engineering Applications, Applied Sciences and Management Cases (IMEASMC-2016), 31<sup>st</sup> January, 2016 at the NSIC Hyderabad (Anveshana Educational and Research Foundation, Hyderabad).
- 10) Paper presented entitle with “**Elastic properties of mixed Ni<sub>x</sub>Zn<sub>1-x</sub>Al<sub>1.0</sub>Fe<sub>1.0</sub>O<sub>4</sub> nano ferrites**” at International Conference on Innovative Methods in Engineering Applications, Applied Sciences and Management Cases (IMEASMC-2016), 31<sup>st</sup> January, 2016 at the NSIC Hyderabad (Anveshana Educational and Research Foundation, Hyderabad).
- 11) Paper presented entitle with “**Structural Properties and Electrical Conductivity of Copper Substituted Nickel Nano Ferrites**” at *4<sup>th</sup> International Conference on Applied Physics and Mathematics* (ICAPM 2014), 19<sup>th</sup>-20<sup>th</sup>, February, 2014. Conducted at Singapore.
- 12) Paper presented entitle with “**Synthesis and Electrical Properties of Zinc Substituted Nickel Ferrite Thin Film Nano Structures**” at *International Conference on Nano, Bio & Material Sciences* (ICONBMS-2014), 8<sup>th</sup>-10<sup>th</sup>, January, 2014. Conducted by Department of Physics, Nizam College (Autonomous), Osmania University, Hyderabad.
- 13) Paper presented entitle with “**Thermoelectric Power Studies of Copper Substituted Nickel Nano Ferrites**” at *International Conference on Nano, Bio & Material Sciences* (ICONBMS-2014), 8<sup>th</sup>-10<sup>th</sup>, January, 2014. Conducted by Department of Physics, Nizam College (Autonomous), Osmania University, Hyderabad.
- 14) Paper presented Entitle with “**Cobalt ferrite nano particles for biomedical applications**” at (IUMRS-ICA-2013) *International Conference* conducted 16<sup>th</sup>-20<sup>th</sup>, Dec, 2013 at Indian Institute of Science, Bangalore.
- 15) Paper presented Entitle with “**Synthesis and Magnetic Properties of Ni-Cu Magnetic Ceramics**” at *Material Science & Technology–2013 (MS&T-2013) International Conference* conducted 27<sup>th</sup>-31<sup>st</sup>, Oct, 2013 at Montreal, Cpeuebec, Canada.

- 16) Paper presented Entitle with **“Synthesis and Characterization of Copper substituted Nickel Nano-Ferrites by Citrate gel technique”** at *International Conference on Nano Science and Technology (ICONSAT – 2012)*, 20<sup>th</sup>-23<sup>rd</sup>, January, 2012 conducted by ARCI, Govt., of India, Hyderabad.
- 17) Paper presented entitle with **“I-V Characteristics of Ni-Zn Ferrites”** at *Indraprastha International Conclave on Nano Science and Technology*, November 16<sup>th</sup>-17<sup>th</sup> 2010, conducted by Guru Gobind Singh Indraprastha University, Dwarka, Sector-16C, New Delhi.
- 18) Paper presented entitle with **“Di-Electric Properties of Cadmium Substituted Copper Ferrites”** at *International Conference on Recent Trends in Nano and Bio – Sciences (ICORTNBS – 2010)*, 24<sup>th</sup>-26<sup>th</sup>, February, 2010. Conducted by Department of Physics, PG College of Science, Saifabad, Osmania University, Hyderabad.

**National Conferences/National Seminars:**

- 1) Paper presented entitle with **“Structural and electrical properties of Ni-Cr nano ferrites”** at National Conference on Advances in Nano and Functional Materials (**NCANFM-2019**), 30<sup>th</sup>-31<sup>st</sup> January-2019 at Department of Physics, Osmania University, Hyderabad.
- 2) Paper presented entitle with **“Chromium ion influence on electrical properties of Nickel nano ferrites”** at National Seminar on “Recent Trends in Material Research for Science and Engineering Applications (**RTMRSEA-2018**)”, 20<sup>th</sup>-21<sup>st</sup>, December 2018, Department of applied science, M.V.S.R. Engineering College, Nadargul, , Hyderabad –T.S
- 3) Paper presented entitle with **“Synthesis of Citrate gel auto combustion prepared Li-Cd nano ferrites sintered at reduced temperature”** at National Conference on Recent Advances in Applied Nano Materials (**NCRAANM-2018**), 16<sup>th</sup>-17<sup>th</sup>, February 2018, organized by Dept. of Physics, University College of Science, Saifabad, Osmania Univeisty, Hyderabad, TS. (ISSN: 2456-6683)
- 4) Paper presented entitle with **“Thermoelectric behavior of Cr<sup>3+</sup> ion substituted Nickel nano ferrites”** at National Conference on Recent Advances in Applied Nano Materials (**NCRAANM-2018**), 16<sup>th</sup>-17<sup>th</sup>, February 2018, organized by Dept. of Physics, University College of Science, Saifabad, Osmania University, Hyderabad, TS. (ISSN: 2456-6683).

- 5) Paper presented entitle with **“Influence of Cr<sup>3+</sup> ion on magnetic properties of Nickel nano ferrites”** at *1<sup>st</sup> National Conference on Trends in Science, Engineering & Technology (NTSET-2018)*, 2<sup>nd</sup>-3<sup>rd</sup> February 2018, Matrusri Engineering College, Saidabad, Hyderabad. (ISBN : 97881-936274-0-2)
- 6) Paper presented entitle with **“Structural Characterization and Magnetic properties of Chromium Substituted Nickel Nano-Ferrites”** at *National Conference on Recent Trends and Development in Material Science-2017 (NCRTDMS-2017)* is organized by Dept. of Physics, Indraraj Arts, Commerce and Science College, Sillod, Maharashtra, India on 16<sup>th</sup> Dec 2017. (ISBN : 978-81-929628-4-9)
- 7) Paper presented entitle with **“Structural and dielectric properties of chromium substituted nickel nano-ferrites”** at *National Seminar on Multifunctional Materials and their Applications (NSMMA-2016)* 29<sup>th</sup>-30<sup>th</sup> March, 2016, Department of Physics, Osmania University, Hyderabad.
- 8) Paper presented entitle with **“Structural characterization of Ni-Cr nano ferrites Synthesized by Citrate gel auto – combustion Technique”** at National Conference on “Recent Advances in Applied nano Materials, 4<sup>th</sup>-5<sup>th</sup> March 2016, Department of Physics, University college of science, saifabad, Osmania University, Hyderabad.
- 9) Paper presented entitle with **“Effect of Cr substitution on structural properties of Zn-nano ferrites”** at National Conference on Engineering Materials, Energy and Environment (EMEE-15), 24<sup>th</sup> – 25<sup>th</sup> April, 2015 at Department of Physics, Chaitanya Bharathi Institute of Technology (Autonomous), Hyderabad. (ISBN: 978-93-83038-32-9)
- 10) Paper presented entitle with **“Structural analysis of chromium doped cobalt ferrite nano particles synthesized via sol-gel technique”** at National Conference on Sustainability through Chemical and Biological Science (NCSCB-2015), 19<sup>th</sup> – 20<sup>th</sup> March, 2015 at Department of Physics and Chemistry, Mahatma Gandhi Institute of Technology, Hyderabad. (ISBN: 978-93-83038-30-5)
- 11) Paper presented entitle with **“Synthesis, characterization and magnetic properties of copper ferrite nano particles prepared by citrate gel auto-combustion technique”** at National Conference on Environmental Radiation and Functional Materials (NCERFM-2015), Feb 28<sup>th</sup> – Jan 1<sup>st</sup> ,2015 at Department of Physics, Osmania University, Hyderabad.

- 12) Paper presented entitle with “**High Temperature Thermo Electrical Properties of Ni-Cu nano ferrites**” at *Andhra Pradesh Akademi of Sciences* (APAS-Golden Jubilee Science Congress), 13<sup>th</sup>–15<sup>th</sup> November 2014, conducted by CSIR-IICT & CSIR-CCMB, Hyderabad.
- 13) Paper presented entitle with “**Temperature-Dependence Thermoelectric power studies of Copper Substituted Nickel Nano Ferrites**” at *National Conference on Absorption and Magnetic Resonance Spectroscopy and Their Integration to Sustainable Human Development* (NCAMRS-SHD-2014), 30<sup>th</sup> – 31<sup>st</sup> August 2014 conducted by Department of Physics, Osmania University, Hyderabad.
- 14) Paper presented entitle with “**Thermoelectric properties of Cu substituted Ni nano ferrite**” at Second National Conference on Physics and Chemistry of Solids (NCPCS -2014), 29<sup>th</sup> – 30<sup>th</sup> March 2014 conducted by SR&BGNR Govt. Arts & Science College, Khammam.
- 15) Paper presented entitle with “**Temperature Dependence Electrical Conductivity of Ni-Cu Nano Ferrites**” at *National Conference on Advanced Materials for Energy Applications* (NCAMEA-2014), 31<sup>st</sup> Jan-1<sup>st</sup> Feb 2014, conducted by Department of Physics, Osmania University, Hyderabad.
- 16) Paper presented entitle with “**High Temperature Thermo Electrical Power Studies of Zinc substituted Nickel ferrite Synthesized by Citrate gel technique**” at National Seminar on Preparation, Characterization, Spectroscopic, Transport Properties and Applications of Glassy Materials, Sponsored by UGC conducted by Department of Electronics, Sri Venkateshwara College, Suryapet, Mahatma Gandhi University,
- 17) Paper presented entitle with “**Structural and Dielectric Properties of Copper Substituted Nickel Nano-Ferrites**” at *National Seminar on Present Trends in Synthesis, characterization and Transport studies on Nano and Bio materials*. Jointly Sponsored by UGC & CSIR, 23<sup>rd</sup>-24<sup>th</sup>, August, 2013 conducted by Department of Electronics, Sri Venkateshwara College, Suryapet, Mahatma Gandhi University, Nalgonda-Dist.
- 18) Paper presented entitle with “**Structural and Magnetic Properties of Copper Substituted Nickel Nano-Ferrites**” at *National Seminar on Advanced Materials and their Applications* (NSAM-2013), 27<sup>th</sup> – 28<sup>th</sup>, February, 2013. Conducted by Department of Physics, Osmania University, Hyderabad.

- 19) Paper presented entitle with “**Structural and electrical conductivity studies in nickel-zinc ferrite**” at National Conference on Nano Science, Nano Engineering & Applications (NCONSEA – 2012), 27<sup>th</sup> - 28<sup>th</sup> April, 2012 conducted by Center for Nano Science & Technology, Institute of Science & Technology, JNTU Hyderabad, Kukatpally, Hyderabad.
- 20) Paper presented entitle with “**Review Article on Thermal Transport properties of Nano Materials**” at *National Conference of Physics of Nanotechnology*, 9<sup>th</sup> – 11<sup>th</sup>, February, 2011, conducted by Department of Physics, JNTUH College of Engineering, Nachupally (Kondagattu), Karimnagar-Dist.
- 21) Paper presented entitle with “**I-V Characteristics of Ni-Zn Ferrites**” at *National Conference of Physics of Nanotechnology*, 9<sup>th</sup> – 11<sup>th</sup>, February, 2011, conducted by Department of Physics, JNTUH College of Engineering, Nachupally (Kondagattu), Karimnagar-Dist.

**FDP Program:**

- 1) Participated one week AICTE-sponsored Short Term Training Program (STTP) on “**Outcome Based Pedagogical Initiatives for Effective Teaching and Learning**” from 22-03-2021 to 27-03-2021 at **Matrusri Engineering College**, Saidabad, Hyderabad-59.
- 2) Participated in online National Level Faculty Development Program (FDP) on “**Materials for Photonic Applications**” conducted by department of physics & chemistry, **Mahatma Gandhi Institute of Technology**, Hyderabad during 9<sup>th</sup> -13<sup>th</sup>, August, 2021.
- 3) Participation in National level one week Faculty Development program on “**Multi Technology**” from 28<sup>th</sup> June to 3<sup>rd</sup> July, 2021 organised by **Department of IT & CSE in collaboration with NYCI & Brain-O-Vision solutions India Pvt. Ltd.**
- 4) Participated in AICTE-sponsored AQIS Short Term Training Programme (STTP) on “**Design and Structural Evolution of Advanced Functional Materials Suitable for Engineering Applications**” conducted online by **VNR Vignana Jyothi Institute of Engineering and Technology**, Hyderabad, India during 01<sup>st</sup> – 06<sup>th</sup>, March, 2021.
- 5) Attended an Online Faculty Development Program on “**Modern Characterization Techniques for Scientific and Engineering Applications (MCTSEA-2020)**” organized by Department of Physical Sciences, Kakatiya Institute of Technology and Sciences, Warangal during 4<sup>th</sup> – 8<sup>th</sup> August, 2020.

- 6) Participated in a 5 day National Online Faculty Development programme on “**Artificial Intelligence**” from 22<sup>nd</sup> to 26<sup>th</sup> May 2020, organized by the Department of Computer Science and Engineering in collaboration with National Youth Council of India and Brainovision Solutions India Pvt. Ltd.
- 7) Completed an Online Faculty Awareness Program on “**Outcome Based Education & NBA Accreditation**” Organized by Department of Mechanical Engineering of Rajgad Dnyanpeeth’s Shri Chhatrapati Shivajiraje College of Engineering, Dhangawadi, Pune-12206 during the period of 12/05/2020 to 17/05/2020.
- 8) Completed “**Faculty Awareness Program on NAAC Accreditation**” Organized by RD’s Shri Chhatrapati Shivajiraje College of Engineering, Dhangawadi, Pune-412206 conducted online during the period of 10/05/2020 to 15/05/2020.

#### **Workshops:**

- 1) Participated in the national seminar on “**Characterization and Processing of Advanced Materials (NSCPAM-2021)**” held at Govt. Pt. Shyamacharan Shukla College, Dharsiwa, Raipur (C.G.) on 26<sup>th</sup> June 2021.
- 2) Participated in the program “**Leadership talk with Ms. Ashwini Deshpande**”(Co-Founder & Director Elephant Design) held on 6<sup>th</sup> Jun by MHRD's Innovation Cell (Govt.of India).
- 3) Participated in one day e-workshop on **Mössbauer Spectroscopy and X-Ray Diffraction Techniques - 2020** organised by Department of Physics, University P.G. College, Palamuru University, Mahabubnagar, Telangana State on 23.07.2020.

#### **Webinars:**

- 1) Participation in the webinar on “**Rare Earth doped Phosphors for Photonic applications**” conducted on 07-06-2021, organised by Division of Physics, Department of S&H, VFSTR(Deemed to be university), Vadlamudi, Guntur dist., A.P., India.
- 2) Participation in the webinar on “**Magnetic phase of few classical Antiferromagnets: A Focus on Magnetic triple and H-T Phase Diagram**” conducted on 01-06-2021, organised by Division of Physics, Department of S&H, VFSTR(Deemed to be university), Vadlamudi, Gunture dist., A.P., India.
- 3) Participation in the webinar on “**Dielectric materials and their characterization studies in the microwave frequency region**” conducted on 14-08-2020, organised by Department of BS&H,, Vignan's Institute of Management & Technology for Women, Hyderabad

- 4) Participated in the webinar on “**Liquid Crystals and Nanomaterials for Display Technology**” conducted on 08-08-2020, organized by Department of Basic Sciences & Humanities, Vignana's Institute of Management & Technology for Women, Hyderabad.
- 5) Participated in the Webinar entitled “**Nanoscience and Nanotechnology : Concept of Today – Technology of Tomorrow**”, conducted by the Department of Humanities and Sciences, Vignana Bharathi Institute of Technology, Hyderabad, on 31/05/ 2020..

**Academic & Research Events Organized:**

- 1) Worked organized member at National Seminar on “**Recent Trends and Application of Nano Materials**”, conducted by Vignana’s Institute of Technology & Aeronautical Engineering, Deshmukhi.
- 2) Worked organized member at *International Conference on “Recent Trends in Nano and Bio – Sciences”* (ICORTNBS – 2010), 24th-26th, February, 2010. Conducted by Department of Physics, PG College of Science, Saifabad, Osmania University, Hyderabad.

**PERSONAL PROFILE**

Date of Birth : 31-08-1975  
Father’s Name : R. Ramulu  
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Languages Known : English, Telugu and Hindi  
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**(RAPOLU SRIDHAR)**