

Name of Faculty Dr. SRINIVASA REDDY YANALA

Designation Assistant Professor

Nature of Job/Appointment Regular

Date of Joining 01 - 06 - 2007

E-mail ysreddy_physics@cbit.ac.in



Education Qualifications	Name of the Degree	Class
Ph. D	Doctor of Philosophy (Physics)	Awarded
PG	M. SC (Physics)	First Class
UG	B. Sc. (MPC)	Second Class

Work Experience

Teaching	17 Years
Research	17 years
Industry	--
Others	--

Area of Specialization Materials Science, Ultrasonics

- Professional Memberships
1. Life Member, MRSI (LMB 1805)
 2. Life Member, USI (L 240)
 3. Life Member, IAPT (9361 L 5726)
 4. Editorial Board Member, MSRI

- Responsibilities held at Institution Level
1. Member, College Maintenance Committee (12.04.2021 - Till date)

- Responsibilities held at Department Level
1. Member, Board of Studies (2013 - Till date)
 2. Lab In-charge (2011 - Till date)
 3. Coordinator, ISO (2007 – 2016)
 4. Member, Course Expert Group
 5. Member, Dept Research Committee

Research Guidance --

Awards Received --

Courses Handled at Under Graduate / Post Graduate Level. Engineering Physics, Applied Physics, Optics and Semiconductor Physics, Mechanics and Materials Science.

No. of Papers Published	National Journals – 02	International Journals – 36
	National Conference – 06	International Conference – 10

Projects Carried out --

Patents --

Technology Transfer --

Invited Speaker --

No. of Books/Chapter Published with details

1. "GIS-based Evaluation of Watershed Management in Medak District, India", 2019, Lambert Academic Publishing, ISBN: 9786200232328
2. "ECET-FDH Physics & Chemistry", 2011, Roller Books, ISBN: 978-81-920224-1-3
3. "Mechanics, Waves & Oscillations", 2007, Victory Publications (Surya Books)

Details of Short-Term Training
Programs / Faculty Development

1. Convener, International e-Conference on Materials Processing & Characterization – 2020 (ICMP&C-2020), organized by Department of Physics, Chaitanya Bharathi Institute of Technology (A), Hyderabad on September 18 & 19, 2020.
2. Convener, One Week Online FDP on “Student Induction & Universal Human Values”, organized by Department of Physics, Chaitanya Bharathi Institute of Technology (A), Hyderabad during August 26 – 30, 2020.
3. Coordinator, One Week Online FDP on “Engineering Physics and Materials Science”, organized by Department of Physics, Chaitanya Bharathi Institute of Technology (A), Hyderabad during August 03 – 07, 2020.
4. Member, Organizing Committee, One Day Seminar on Role of Physics in Engineering Curriculum, organized by Department of Physics, Chaitanya Bharathi Institute of Technology (A), Hyderabad on May 30, 2017
5. Online AICTE Recognized FDP on “Enhancing Research Capabilities for Career Progression of Technical Teachers” organized by Mechanical Engineering Department, NITTTR, Chandigarh during August 23 - 27, 2021 (1 week)
6. Online FDP on “IPR & Patent Prosecution” organized by Department of CSE in association with Institution Innovation Council, MVSREC, Hyderabad during May 24 – 28, 2021 (1 week).
7. AICTE Training And Learning (ATAL) Academy FDP on “Alternate Fuels”, organized by Shaheed Bhagath Singh State Technical Campus, Ferozepur, Punjab during September 07-11, 2020 (1 week).
8. Online FDP on “Modern Characterization Techniques for Scientific and Engineering Applications” , organized by Department of Physical Sciences, KITS, Warangal during August 04 - 08, 2020 (1 week).
9. Online National Level FDP on “Characterization of Materials’ , organized by Department of Basic Sciences & HSS, JNTUK – University College of Engineering, Vizayanagaram during August 03 - 07, 2020.
10. Online AICTE Recognized FDP on “Evaluation and Setting Question Papers”, organized by the Education and Educational Management Department, NITTTR, Chandigarh during July 20 - 24, 2020 (1 week).
11. Attended FDP on “Recent Trends in Technology and Teaching Learning Methodology”, organized by Dept. of CSE & IT, SIRT, Sage University, Indore during 09 – 11 July, 2020.
12. Attended One Week Online AICTE Recognized FDP on “Materials Processing and Optimization”, organized by Mechanical Engineering Department, NITTTR, Chandigarh during 06 -10 July, 2020.
13. One Week Online Refresher Course on “Bharateeya Chaitanyam”, organized by Chaitanya Samskruthi, Chaitanya Bharathi Institute of Technology (A), Gandipet, Hyderabad during 29 June - 05 July, 2020.
14. Participated in E-workshop on “Materials Processing and Technology”, organized by Mahatma Gandhi Institute of Technology on 27th June, 2020.

Details of Journal Publications/
Conferences (National and
International)

International/National Journals from 2017

1. Vinay Hiralal Singh, Maddali Anil Kumar, Gajanan C. Upadhye, Yanala Srinivasa Reddy, S. Pratima Kumari, Influence of SiO₂, MgO, and Fe₂O₃ metallic nano cutting fluids of AA6061 in MQL environment, *Materials Today: Proceedings* (Published online 13 September 2022) ISSN: 2214-7853
2. M. Venkateshwari, K. Rajagopal, C. Obula Reddy and Y.S. Reddy, Investigation of Groundwater Contamination due to Landfill Leachate, *Indian Journal of Environmental Protection*, Volume 42, Issue 7, July 2022, Pages 857-862. ISSN: 0253 – 7141
3. S. Dhanasekhar, T. Jyothy Stella, A. Thenmozhi, N. Divya Bharathi, Kamatchi Tiyyagarajan, Pankaj Singh, Yanala Srinivasa Reddy, Ganganagunta Srinivas and Mani Jayakumar, Study of Polymer Matrix Composites for Electronics Applications, *Journal of Nanomaterials*, Volume 2022 (20 May 2022), Article ID 8605099, 7 Pages, 2022, ISSN: 1687-4110 (Print) 1687-4129 (Online)
4. K. Rajagopal, Y.S. Reddy and C. Obula Reddy, Impact of Various Factors on the Stability of Biodiesel a Review, *Journal of Biotech Research*, Volume 13, March 2022, Pages 64-77. ISSN: 1944-3285
5. Y.S. Reddy, M. Subhadra, C. Obula Reddy and K. Rajagopal, The Challenges in Online education at School Level, *International Journal for Innovative Research in Multidisciplinary Field*, Volume 7, Issue 4, April 2021, Pages 166 – 168. ISSN: 2455-0620
6. K. Rajagopal, Y.S. Reddy, C. Obula Reddy, Distortion of Ultrasonic Waves in Biodiesels and Blends, *European Journal of Molecular & Clinical Medicine*, Volume 7, Issue 11, December 2020, Pages 2738 – 2749. ISSN: 2515- 8260
7. N. Maramu, Padigela Srinivasa Reddy, N. Arundhathi, Y.S. Reddy, Prashnath Kumar Vaidya, Microstructure of Ca doped Neodymium based perovskites for SOFC, *Solid State Technology*, Volume 63, Issue 6, December 2020, Pages 17793 – 17796. ISSN: 0038-111X (Online)
8. C. Obula Reddy, Y.S. Reddy, M. Subhadra and K. Rajagopal, Effect of long-term storage on the fatty-acid profile of biodiesel and its impact on key ultrasonic properties of biodiesels and blends, *Energy Sources Part A: Recovery, Utilization, and Environmental Effects*, (Published September 2020) Print ISSN: 1556-7036 Online ISSN: 1556- 7230 IF: 3.4 DOI: <https://doi.org/10.1080/15567036.2020.1817193>
9. Y.S. Reddy, C. Obula Reddy, M. Subhadra, and K. Rajagopal (2020), “Long – term storage effect on molecular interactions of biodiesels and blends”, *Energy Sources Part A: Recovery, Utilization, and Environmental Effects*, DOI: 10.1080/15567036.2020.1776798 ISSN(Print): 1556-7036 ISSN (Online): 1556-7230
10. M. Venkateswarlu, K. Rajagopal and Y.S. Reddy (2020), “Geochemical Studies on the Groundwater of Kistapur Village, Medchal District, Telangana State, India”, *Indian Journal of Environmental Protection* (Under Print). ISSN: 0253 – 7141
11. Y.S. Reddy, M. Venkateswarlu and K. Rajagopal (2020), “Synthesis, Characterization and Electrical Properties of Double Layered CMR Manganite Sm_{1.2}Sr_{1.8}Mn₂O₇”, *Mukt Shabd Journal*, Volume IX, Issue VI, pp. 6087 - 6091. ISSN: 2347 – 3150
12. Y.S. Reddy and K. Rajagopal (2019), “Low Temperature Magnetotransport Studies on Double Layered Manganite Pr_{1.2}Sr_{1.8}Mn₂O₇”, *International Journal of Engineering, Applied and Management Sciences Paradigms*, Volume 54, Issue 2, pp. 169 -172. ISSN: 2320-6608
13. Y.S. Reddy (2017), “Synthesis and Magnetotransport Behavior of Double Layered Colossal Magnetoresistive Manganite La_{1.2}Sr_{1.4}Ba_{0.4}Mn₂O₇”, *International Journal of Engineering Science and Technology*, Volume 9, Issue 7, pp. 727 – 731. ISSN(Print): 2278 – 9510 ISSN(Online): 0975 – 5462
14. Y.S. Reddy (2017), “Electrical Transport and Magnetoresistance of Double Layered CMR Manganites R_{1.2}Sr_{1.8}Mn₂O₇ (R = La, Pr, Sm), *Materials Science-Poland* Volume 35, Issue 2, pp. 440 – 446. ISSN 2083-1331, e-ISSN 2083-134X
15. Y.S. Reddy (2017), Synthesis, Characterization and Magnetotransport Behavior of La-based Double Layered Manganites”, *Acta Physica Polonica A*, Volume 131, Issue 6, pp. 1544 – 1549. ISSN(Print): 0587 – 4246 ISSN(Online): 1898 – 794X
16. Y.S. Reddy (2017), “Synthesis, Elastic Properties of Double Layered Manganites La_{2-2x}Sr_{1+2x}Mn₂O₇ (x = 0.3, 0.4, 0.5)”, *International Journal of Engineering Science and Technology*, Volume 9, Issue 5, pp. 487 – 490. ISSN(Print): 2278 – 9510 ISSN(Online): 0975 – 5462.

International /National Conferences from the year 2017

1. Prashanth Kumar Vaidya, Srinivasa Reddy Yanala, Srinivasa Reddy Padigela, Vishnuvardhan Reddy C, Srinivasa Rao Pudi, Microstructure of Nd_{1-x}CaxCoO₃ (0 ≤ x ≤ 0.4), *Proceedings of International Conference on Advances in Applied Sciences, Humanities and Technology to overcome Global Disasters* (Edited Book), p. 177 – 180. ISBN: 978-93-91842-09-3 (published October 2021 & Conf dates Sept 18-19, 2020)
2. Musini Venkateswarlu, K. Suresh and Y.S. Reddy, Geochemical Aspects of Groundwater Bearing and Petrological Influence on Southern Parts of Nalgonda, Telangana, *Proceedings of International e-Conference on Materials Processing & Characterization-2020 (ICMP&C-2020)*, p. 217 – 219. ISBN: 978-81-946476-9-0
3. Santhosh Kumar A, G. Nataraju, Y. Srinivasa Reddy and B. Linga Reddy, Recent Advances in the Fabrication of ZnO Based Nanostructures for Opto-Electronic Devices, *Proceedings of International e-*

- Conference on Materials Processing & Characterization-2020 (ICMP&C-2020), p. 211- 216. ISBN: 978-81-946476-9-0
1. Subhadra, K. RajGopal, Y. Srinivasa Reddy and P. Kistaiah, Physical and dc Electrical Properties of Vanadium doped Mixed Alkali Bismuth Borate Glasses, Proceedings of International e-Conference on Materials Processing & Characterization-2020 (ICMP&C-2020), p. 68 - 73. ISBN: 978-81-946476-9-0
 5. Y. S. Reddy, M. Subhadra and K. Rajagopal, Online Education: Challenges in Rural Areas of India, Proceedings of Virtual International Conference on Emerging Trends in Online Education and Global Challenges on Higher Education Framework post Covid-19, International Journal for Innovative Research in Multidisciplinary Field, Special Issue 16, June 2020, p. 31 – 32. ISSN: 2455-0620.
 5. Y.S. Reddy and K. Rajagopal, "Synthesis, Characterization and Electrical Properties of Double Layered CMR Manganite $\text{Sm}_{1.2}\text{Sr}_{1.8}\text{Mn}_2\text{O}_7$ ", International Web Conference on Smart Engineering Technologies – 2020 organized by Ramco Institute of Technology, Rajapalayam, Tamilnadu during 26 – 27 June, 2020.
 7. Y.S. Reddy and K. Rajagopal, "Determination of Room Temperature Elastic Constants of La-Sr-Mn-O System", National Conference on Interdisciplinary Research and Innovative Technologies - 2020 organized by SAGE University, Indore during 25 – 26 June, 2020.
 3. Y.S. Reddy and K. Rajagopal, "Online Education: Challenges in Rural Areas of India", Virtual International Conference on Emerging trends in online education and Global challenges on Higher Education Framework post Covid-19 organized by Department of Computer Science, Career College, Bhopal, Madhya Pradesh during 17 – 18 June, 2020.
 9. Santhosh Kumar A, Y Srinivasa Reddy, Raja Gopal K, Ashutosh C Abhyankar, "Growth of Hydrophobic Al doped ZnO nanoarrays and their Raman Scattering, Photoluminescence and Photodetection properties". International Conference on Purification and Recycling of Electronic Materials - 2020 organized by C- MET, Hyderabad during 8-10 March 2020.
 10. Y.S. Reddy, K. Rajagopal and C. Vishnuvardhan Reddy, "Electrical and Ultrasonic Studies on CMR Perovskite Manganite $\text{Ce}_{0.7}\text{Sr}_{0.3}\text{MnO}_3$ " at Room Temperature, 6th National Conference on Applied Physics and Materials Science - 2019 organized by Department of Physics, Vasavi College of Engineering (A), Hyderabad on 28th December, 2019.
 11. K. Rajagopal and Y.S. Reddy, "Ultrasonic Studies on Stored Biodiesels and Blends", Research Day - 2019, organized by Chaitanya Bharathi Institute of Technology (A), Hyderabad on 23rd August, 2019.
 12. Y.S. Reddy and C. Vishnuvardhan Reddy, "Synthesis, Characterization and Electrical Transport Behaviour of CMR Manganite $\text{Pr}_{0.7}\text{Sr}_{0.3}\text{MnO}_3$ ", 5th National Conference on Applied Physics and Materials Science - 2018 organized by Department of Physics, Vasavi College of Engineering (A), Hyderabad during 07 – 08 September, 2018.
 13. Y.S. Reddy, "Elastic Properties of Double Layered Manganites $\text{La}_{2-2x}\text{Sr}_{1+2x}\text{Mn}_2\text{O}_7$ " 4th National Conference on Applied Physics and Materials Science - 2017 organized by Department of Physics, Vasavi College of Engineering, Hyderabad during 10-11 March, 2017.

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