

Dr. Srinivasu Cholleti

Assistant Professor



Education Qualifications: Doctor of Philosophy (Physics)
Specialization: Materials Science

ADDRESS:

- A – Block -Room No. A001

JNTUH ID:

19150407104858-180803

EMAIL:

chsrinivasu_phy@mgit.ac.in

DATE OF JOINING:

27-09-2012

EXPERIENCE - 15 Years

- Teaching - 15
- Research -10

SUMMARY:

- Publications - 14
- Conferences - 7
- Honors/Awards - 3

EVENTS:

- Organized - 6
- Attended - 16

LET'S MEET ON SOCIAL:

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Membership of Professional Bodies:

1. The Indian Science Congress Association, India, (Life member No L- 46611)
2. Vijnana Bharati (Life member No. 29842)

Responsibilities Held at Institution Level:

1. Coordinator - Unnat Bharat Abhiyan
2. Coordinator – Deeksharambh – Student Induction Program (SIP)
3. Member – Co-Curricular & Extra-Curricular Activities Committee
4. Member- NSS
5. Member- Anti-ragging squad
6. Member of college campus monitoring duty
7. Member in carrying out 1st year induction program

Responsibilities Held at Department Level:

1. Incharge for the Engineering/Applied Physics Laboratory-II
2. Member various committees constituted for accreditation activities

Honors/Awards Received:

1. Best oral presentation award in Virtual Conference on Modern Functional Materials (ICMFM-2021), 24-25 June 2021, Department of Physics, Sairam Engineering College, Chennai-600044, Tamil Nadu
2. Reviewed a research paper on in “Measurement” (Elsevier-journal)- Ms. Ref. No.: MEAS-D-20-00148
3. Young Scientist fellowship form APCOST, Hyderabad
4. Associate fellow – Telangana Academy of Sciences

Projects:

Co-Coordinator for AICTE – Scheme for Promoting Interests Creativity and Ethics among Students (SPICES)

PhD Guide / Research Guide:

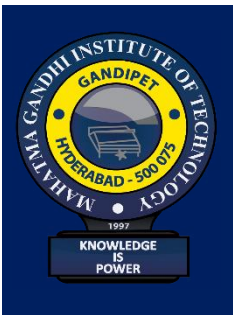
Appointed as a Research Supervisor by JNTUH, Hyderabad in 2023.

Courses Handled at Under Graduate /Post Graduate Level:

- **PG:**
Modern Physics & Quantum Mechanics (Guest lecturers)
- **UG:**
Applied Physics/Engineering Physics (B. Tech graduates)

Publications:

1. Structural, optical features and gamma ray shielding properties of Bi₂O₃-TeO₂ - B₂O₃-GeO₂ glass system Salavadi Stalin, D.K. Gaikwad, M.S. Al-Buriahi, Ch Srinivasu, Shaik Amer Ahmed, H.O. Tekin, Syed Rahman, Ceramics International, 46 (11) 17325-17334, DOI: 10.1016/j.ceramint.2020.10.109

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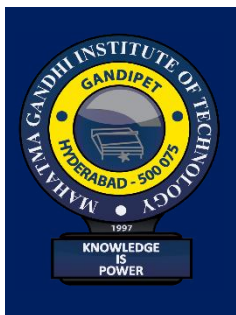
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2. Physical and optical investigations of Bi₂O₃-TeO₂-B₂O₃-GeO₂ glasses Salavadi Stalin¹, AvulaEdukondalu, M A Samee, Ch Srinivasu and Syed Rahman Mater. Res. Express 6 (2020) 12510.1088053-1591 / ab689c
3. Ch. Srinivasu, C. Laxmikanth, Edukondalu, Syed Rahman, and K. Siva kumar, "Influence of flouride on structural and spectroscopic properties of bismuthate glasses", Int J Innov Res Sci Eng Technol, 3 (2014)
4. A. Edukondalu, Ch.Srinivasu, Syed Rahman, V. Sathe, K. Siva Kumar, "Raman spectroscopic studies on mixed alkali borotungsten glasses", AIP conference proceedings 1591 (14) 836
5. A. Edukondalu, Ch. Srinivasu, Syed Rahman, K. Siva Kumar, "Infrared and Raman Spectroscopic Studies on mixed alkali tungsten-based glasses", International Journal of Scientific & Engineering Research 5(3) (2014) 258-262
6. Ch. Srinivasu, Ch. Mallika, G. Sriram, Abdul Hameed, A. Edukondalu,"Spectroscopic Studies on B₂O₃-ZnO-Bi₂O₃-V₂O₅ glass system", International Journal of Scientific & Engineering Research 5(3) (2014) 263-266
7. Ch. Srinivasu, M.A.Samee, A. Edukondalu, Syed Rahman, "Synthesis and spectroscopy of some quaternary oxyfluoride glasses doped with copper", Int J Mod Phys: conference series 22 (2013) 284-291.
8. A. Edukondalu , Ch. Srinivasu, T. Sripathi , A.M. Awasthi, Syed Rahman, K. Siva Kumar, "Mixed alkali effect in physical and optical properties of Li₂O-Na₂O-WO₃-B₂O₃ glasses", J. Non Cryst. Solids 358 (2012) 2581-2588 DOI: 10.1016/j.jnoncrsol.2012.06.004
9. Ch. Srinivasu, V. Sathe and A.M. Awasthi, Syed Rahman, "Structural and Transport properties on quaternary glasses: LiF-Li₂O-SrO-Bi₂O₃ , J. Non Cryst.Solids, 357 (2011) 1051 DOI: 10.1016/j.jnoncrsol.2011.06.004
10. A Samee, A.M Awasthi, T Shripathi, Shashidhar Bale, Ch.Srinivasu, Syed Rahman, "Physical and Optical studies in Mixed alkali Borate glasses with three types of alkali ions, J. ALLOY COMPD, 509 (2011) 3183
11. R, Vijaya Kumar, Ch.Srinivasu, K. Siva Kumar, "MDSC, electrical conductivity and ptical absorption studies of 40B₂O₃-20CdO-(40-x)Bi₂O₃-xLi₂O glasses, Solid State Sci,13 (2011) 379 <https://doi.org/10.1016/j.solidstatesciences.2010.11.039>
12. R. Vijaya kumar, ShashidharBale, Ch. Srinivasu, M. A. Samee, K. Siva kumar and Syed Rahman, "Optical absorption and IR studies on 25Bi₂O₃-(75 - x) B₂O₃-xBaO (0 ≤ x ≤ 25) glasses", J. ALLOY COMPD 490 (2010) 1 <https://doi.org/10.1016/j.jallcom.2009.08.039>
13. N. Srinivasa Rao, ShashidharBale, M. Purnima, Ch. Srinivasu,M.A.Samee, K. Siva Kumar and Syed Rahman, "Mixed Alkali Effect in Cu²⁺ doped boroarsenate glasses -EPR and Optical Absorption studies. Physica B: Condensed Matter, 404 (2009) 1785 DOI: 10.1016/j.physb.2009.02.023
14. ShashidharBale, M. Purnima, Ch. Srinivasu and Syed Rahman, "Vibrational spectra and structure of bismuth based quaternary glasses, J. ALLOY COMPD 457 (2008) 545 <https://doi.org/10.1016/j.jallcom.2007.03.100>

Conferences:

1. "Determination of Optical band gap and tailing states of Bismuthate glasses using Absorption Spectrum Fitting (ASF) method" at international conference on modern functional materials (ICMFM-2021) organized on 24,25th June 2021 by Department of Humanities and Sciences (Physics), Sri Sai Ram Engineering college, Chennai.
2. "Effect of alkaline-earth ions on the physical and optical properties of bismuth-based glasses at international conference on advanced materials

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(icam 2019) organized by Nirmalagiri College, Kannur, Kerala. Ch. Srinivasu, A. Edukondalu, M.A. Samee, S. Stalin and Syed Rahman

3. “Physical and Optical properties of Bismuth based glasses” at International Conference on Recent Advances in Materials Science, ICRAMS-2019 held at National College, Tiruchirappalli-620001 from 4th to 6th February, 2019 Ch. Srinivasu and Syed Rahman
4. One day workshop on “Significance of Malabar Applications of Emerging Technologies” held at CBIT, Hyderabad on 26th June, 2019
5. One day Seminar on “Physics and its Applications in Engineering” organized by Department of Physics held at CBIT, Hyderabad on 13th March, 2019
6. National Conference on Advanced in Nano and Functional Materials, NCANFM-2019 held at Department of Physics, Osmania University, Hyderabad from 30th to 31st January, 2019 Ch. Srinivasu and Syed Rahman
7. Two-day National Seminar on Synthetic Methodology and Modern Approaches in Chemical Science & Technology held at Govt. Degree College, Sadashivpet

Events Organized:**Conferences:**

1. Organized the DST sponsored national conference on “Sustainability through chemical and biological sciences- NCSCB-2015” as an organizing committee member held on 19th and 20th March, 2015 at MGIT. (As an Organizing Committee member).
2. Organized a Two-Day National Conference “PHYSICOCHEMIA” during 2013 (As an Organizing Committee member).

FDPs/STTPs:

1. Organized a national level five-day Faculty development programme on “Materials for Photonic Applications” from 9th-13th August, 2021 at Dept of Physics and Chemistry, MGIT. (Organizing Committee member).
2. Organized a five-day FDP “Role of material science in engineering-application perspective” organized on behalf of Dept. of Physics and Chemistry, MGIT from 3rd-7th August, 2020 (Organizing Committee member).

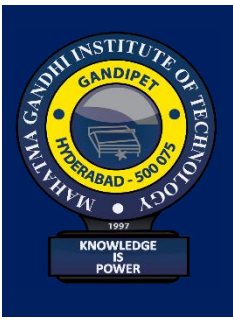
Refresher Courses/ Workshops/ Webinars/ Seminars/ Guest Lecture:

1. Workshop on "Materials Processing and Technology" on 27th June, 2020 organized by Dept. of Physics and Chemistry, MGIT (As Coordinator)
2. Organized a Two-Day National Level Virtual workshop on “The Role of Chemistry in Modern Healthcare” on 3rd and 4th of July 2020 on behalf of the Department of P&C, Mahatma Gandhi Institute of Technology, Hyderabad. (As Coordinator).

Events Attended**Conferences**

1. Attended an International Virtual Conference on "High Performance Materials for Energy, Environment and Healthcare in the digital Era " on 30th June & 1st July, 2020 organized by Vellore Institute of Technology, Vellore.
2. Participated in the Webinar - International Conference on Light Matter Interaction (ICLMIN- 2021), organized by Indira Gandhi Centre for Atomic Research (IGCAR), Kalpakkam, India during May 19-21, 2021.

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1. One-week Online Faculty Development Program on "The Use of Virtual Physics Labs - Creating Next Generation Teachers" organized by Department of Science and Humanities, Geethanjali College of Engineering and Technology, Hyderabad on 20th -24th May, 2020
2. 2. Online FDP on " Evolution from Offline to Online Teaching" organized by Satish Pradhan Dnyanasadhana College, Thane, University of Mumbai on 30th May to 3rd June, 2020
3. 3. One-week FDP on "Perspectives of online Teaching and Learning" organized by Department of Humanities and Sciences on 08th - 13th June 2020 at Gokaraju Rangaraju Institute of Engineering and Technology, Hyderabad
4. 4. Faculty Development Programme on "Advanced Materials Research" organized by Department of Science and Humanities on 15th – 19th, June, 2020 at Bharat Institute of Engineering and Technology, Hyderabad5. A five-Day online FDP on " Advanced Materials for Energy Harvesting, Conversion and Storage", organized by Department of Humanities and Sciences on 19th-to 23rd June, 2020 at MLRIT, Hyderabad

Refresher Courses/ Workshops/ Webinars/ Seminars/Guest Lecture:

1. A Seven-day STTP on "Development of Research Proposals and Funding Opportunities" organized by Department of H&S, Tirumala Engineering College, Jonnalagadda, Narsaraopet, Guntur, AP, during 3rd -9th June, 2020
2. Participated and completed a four-week orientation programme "45th Orientation course from 11th July-8th Aug, 2016 organized by JNTUH.
3. Orientation programme on "Capacity Building and Participatory Training Programme held at National Institute of Rural Development & Panchayati Raj, Hyderabad from 26th to 28th August, 2019
4. International Webinar on "RECENT TRENDS IN INFORMATION TECHNOLOGY" organized by Department of Information Technology, J.J. College of Arts and Science (Autonomous), Pudukkottai, Tamil Nādu On 24th May, 2020
5. International Webinar on "Synergistic Efforts of Academicians and Industrialists in Combating Covid-19 using Luminescence" organized by ST. Pious X Degree & PG College for Women, Hyderabad on 2nd June, 2020
6. "Recent Advances in COVID-19 Treatment: Indian Perspective" organized by Department of Physics & Chemistry, MGIT, Hyderabad on 26th June, 2020
7. Webinar series on "Advances in Materials Science and Technology (WSAMST-2020)" organized by Department of Applied Sciences and Humanities School of Engineering, University of Petroleum and Energy Studies, Dehradun. On 22-26 June 2020
8. "Beyond the Boundaries: Reinventing Horizons" held on" organized by SKIT, Management & Gramothan, Jaipur on 17th June, 2020
9. Webinar on "Hybrid Nano Composites for Energy Storage" organized by Department of Science and Humanities, RVS Technical Campus – Coimbatore, Kumaran Kottam Campus, Kannampalayam, Coimbatore on 4th June, 2020
10. Successfully completed Solid State Physics Online Lecture series on 'Electrons in solids' organized by Department of Theoretical Physics, University of Madras, Chennai.

Online Certifications:

Completed Two **Courses on Materials science** via **Coursera** in Sept 2020.