

Dr. B. Venugopal Rao

Assistant Professor & Deputy Incharge - AES



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

ADDRESS:

- A – Block -Room No. A001

JNTUH ID:

32150406-122043

EMAIL:

bvgopalrao_phy @mgit.ac.in

DATE OF JOINING:

20-12-2000

EXPERIENCE - 25 Years

- Teaching - 25
- Research - 7

SUMMARY:

- Publications - 10
- Patents – 1
- Honors/Awards - 2

EVENTS:

- Organized - 5
- Attended - 46

LET'S MEET ON SOCIAL:

- <https://www.facebook.com/mgithyderabad>
- <https://www.instagram.com/mgithyderabad>
- <https://www.linkedin.com/company/mgithyderabad>
- https://twitter.com/MGIT_hyderabad

Membership of Professional Bodies:

1. Life Member of Indian Association of Physics Teachers'.
2. Life member of Magnetic Society of India
3. Life member of Indian Society of Technical Education.

Responsibilities Held at Institution Level:

1. Holding the position of Deputy InCharge of Academic & Examinations Section since 2007 to till date.
2. First year coordinator from 2005-2007.

Responsibilities Held at Department Level:

1. First year time table Incharge during 2007-2009.
2. Department Library Incharge during 2009-2015
3. Chairman – BoS of Engineering Physics and Applied Physics - Designed syllabus for Applied Physics and Engineering Physics along with department colleagues.
4. Other responsibilities held as and when allotted by HoD.

Honors/Awards Received:

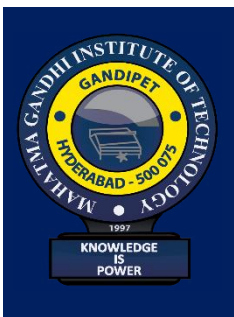
1. Received best Teacher Award at Institute level
2. Received best Research paper presentation at International Conference

Courses Handled at Under Graduate /Post Graduate Level:

- UG
 1. Solid State Physics
 2. Non-Destructive Testing
 3. Applied Physics
 4. Engineering Physics

Publications:

1. B. Venugopal Rao, Magnetic properties of Fe doped LaCrO₃ International Journal of Management, Technology and Engineering ISSN NO: 2249-7455 Volume 8, Issue VIII, AUGUST/2018 Page No:1801-1807
2. B. Venugopal Rao Magnetic and Conductivity studies of Fe Doped PrCrO₃ perovskites. IAETSD JOURNAL FOR ADVANCED RESEARCH IN APPLIED SCIENCES ISSN NO: 2394-8442 VOLUME 5, ISSUE 4, APRIL/2018 pp 550-554
3. Bandi Vittal Prasad, B Venugopal Rao, K Narsaiah, G Narsinga Rao, J W Chen and D Suresh Babu "Dielectric studies of Fe doped SmCrO₃ Perovskites" Mater. Sci. Eng. 73 012061
4. Venugopal, R. B., Vittal, P. B., Narsinga, R. G., Chou, F. C., & Suresh, B. D. (2015). Magnetization Reversal in PrCrO₃. In Advanced Materials Research (Vol. 1086, pp. 96–100). Trans Tech Publications, Ltd. <https://doi.org/10.4028/www.scientific.net/amr.1086.96>.
5. Bandi, Vittal Prasad; B Venugopal Rao; Narsaiah, K; Rao, G Narsinga; Chen, J W Preparation and characterization of perovskite Cu doped LaFeO₃ semiconductor ceramics. IOP Conference Series. Materials

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Science and Engineering; Bristol Vol. 73, Iss. 1, (Feb 2015).

DOI:10.1088/1757-899X/73/1/012129

6. Bakshi, Venugopal Rao, Devarasetty, Suresh Babu, Prasad, Bandi Vittal, Gade, Narsinga Rao, & Chou, C F (Apr 2014). Magnetic properties of Fe doped SmCrO₃ perovskite. AIP Conference Proceedings, 1591(1), 1735-1737. doi:10.1063/14873094.
7. Venugopal Rao Bakshi, Vittal Prasad Bandi, Narsinga Rao Gade, Chou F C and Suresh Babu Devarasetty Magnetization Reversal in Fe doped SmCrO₃. Physics Procedia 54 (2014) 138 – 144
8. Bandi Vittal Prasad, B. Venugopal Rao, K. Narsaiah, G. Narsinga Rao, J. W. Chen, Devarasetty, Suresh Babu “Synthesis and dielectric properties of Fe doped SmCrO₃ semiconductor ceramics” AIP Conference Proceedings 1536, 695 (2013); <https://doi.org/10.1063/1.4810417>
9. Bandi Vittal Prasad, B. Venugopal Rao, K. Narsaiah, G. Narsinga Rao, J. W. Chen, Devarasetty, Suresh Babu Giant Dielectric constant in Cu doped LaFeO₃. AIP Conference Proceedings 1536, 675 (2013); <https://doi.org/10.1063/1.4810407>
10. Prasad, B.V., Venugopal Rao, B., Suresh Babu, D., Narsinga Rao, G., & Chen, J. (2011). Relaxor ferroelectric like high dielectric constant in SmCrO₃ semiconductor ceramics. International Conference on Nanoscience, Engineering and Technology (ICONSET 2011), 304-307.

Patents:

1. Real time multi class cardio arrhythmia classification, based on dnn implemented in the IOT cloud platform.

Events Organized:**Conferences:**

1. Organized DST sponsored National Conference on “SUSTAINABILITY THROUGH CHEMICAL AND BIOLOGICAL SCIENCES”(NCSCB-2015).

FDPs/STTPs:

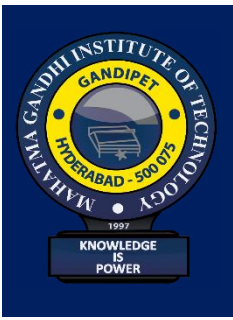
1. Conducted online FDP on” The Role of Material Science in Engineering and Technology: Applications perspective”.
2. Organized Online FDP on “Materials for Photonics Applications”.
3. One-week ISTE Faculty Development Program on “Teaching, Learning & Technology.

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

1. A two-day National level Symposium on Material Science & Technology “PHYSICOCHEMIA-2013.
2. Organized “A Three-day National Workshop to promote Human Values CDC, MGIT under the aegis of “SPICES”, AICTE 15th -17th September 2022.

Events Attended**Conferences:**

1. Attended International Virtual Conference on “High-Performance Materials for Energy, Environment & Healthcare in the Digital Era”.
2. Attended National Conference on Advances in Nano and Functional materials “NCANFM”
3. 20th International Conference of International Academy of Physical Sciences on Recent Advances in Physical Sciences and Future Challenges.
4. National Conference on “Applied Physics and Materials Science”.
5. International Conference on Materials Science &Technology ICMST 2016.



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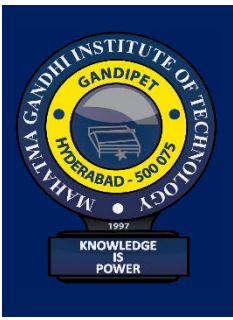
6. International Conference on magnetic materials & Applications” ICMAGMA 2015”.
7. International conference of Nano, Bio and Material Science (ICONBMS-14).
8. International Conference on magnetic materials & Applications” MAGMA 2013”.
9. International Conference on Advanced Nanomaterials & Emerging Engineering Technologies ICANMEET-13.
10. National conference on ‘Applied physics and Materials Science’ APMS-13-.
11. 3rd International Conference on materials for energy and nano Convergence ICMENC-2013”.
12. International conference on” Recent trends in Applied Physics and Material Science”.
13. International Conference on Materials Science & Technology ICMST 2012.
14. National Conference on Nano materials & Nano technology NCNN-2012.
15. International Conference on Nanoscience, Engineering & Technology
16. International Conference on Applications of Renewable And Sustainable Energy For Industry And Society

FDPs/STTPs:

1. Attended Online ATAL- FDP on “Quantum Computing”
2. Attended Online ATAL- FDP on Novel Materials”
3. Attended online FDP on “Advances in Optics and Photonics”
4. Attended online FDP on “Engineering Physics and Materials Science”.
5. Attended online FDP on “Advanced Materials for Energy Harvesting, Conversion and Storage
6. Attended online FDP on “Emerging trends in sciences-Usage of Research Tools and Techniques”
7. Attended International online FDP on “Advanced Materials Research”
8. Attended online FDP on “MOODLE” Learning Management system
9. Attended online FDP on “Materials: Recent Trends & Engineering Applications”
10. Attended online FDP on “SCILAB-An open-source substitute for MATLAB” Attended online FDP on “The Use of Virtual Physics Labs - Creating Next Generation Teachers”
11. UGC-HRDC sponsored short term training programme on “Formulation & Development of Nanoparticles”.
12. Attended Online ATAL- FDP on “Nano Electronic Devices: Materials to Applications AICTE-IIIT, RANCHI 6th-10th December 2021.
13. Attended online FDP on “Current Trends in Materials and It’s Applications” Malla Reddy Institute of Engineering and Technology 27th & 28th October, 2022.
14. Attended Online FDP on “Greening the Grid” Dept of EEE, MGIT, 17th to 21st May 2022.

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

1. UGC sponsored Refresher Course in Physics, UGC-Academic Staff College, Osmania University
2. UGC sponsored Refresher Course in Physics, UGC-Academic Staff College, SV University, Tirupathi.
3. Two Day Symposium –Cum-workshop on “Physics Teaching in Engineering Curriculum”

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4. Awareness Workshop on “The Facilities of UGC-DAE Consortium for Scientific Research”.
5. Workshop On Introduction to Nano Science, Nano Technology & Applications.
6. One day workshop on Recent Advances in Materials Synthesis and Characterization.
7. National Workshop on Material Characterization Techniques. Participated in e-workshop on “Recent Advances in COVID-19 Treatment: Indian Perspective.
8. Participated in e-workshop on “Material Processing and Technology”
9. Attended workshop on “Journey of Self Discovery”.
10. Attended e-workshop on” Mössbauer Spectroscopy and X-ray
11. Diffraction Techniques – 2020.
12. Attended online workshop on “Universal Human Values”.
13. One Day Seminar on “Recent Trends in Laser Applications (RTLA-2003)”.
14. One day seminar on “World year of physics 2005-Beyond Einstein”.
15. One day seminar on “Design of Materials-DOM K”.
16. National seminar on “Recent trends in multifunctional oxide materials”.
17. One day seminar on nano materials: synthesis and applications.
18. 40th National seminar on crystallography under UGC-SAP.
19. Attended one day seminar on “Physics and its applications in Engineering”.

Online Certifications:

1. Completed “MOOCs online course on “Dynamics of Teaching and Learning”.
2. Completed NPTEL Online Certification Course in the subject of “Introduction to Solid State Physics”.
3. Completed NPTEL Online Certification Course in the subject of “Introduction to Photonics.

Any Other Contribution:

1. Contributed at dept level, institute level as and when assigned by the higher authorities