

Name of Faculty Dr. M. SUBHADRA  
 Designation Assistant Professor  
 Nature of Job/Appointment Regular  
 Date of Joining 18-09-2012  
 E-mail [mshubhadra\\_physics@cbit.ac.in](mailto:mshubhadra_physics@cbit.ac.in)



Education Qualifications	Name of the Degree	Class
Ph. D	Doctor of Philosophy (Material Science)	Awarded
PG	M.Sc. Physics (Solid State)	Distinction
UG	B. Sc. (MPC)	Distinction

**Work Experience**

Teaching	19 Years(includes research experience)
Research	11 years
Industry	--
Others	--

Area of Specialization Material Science

Professional Memberships Lifetime Membership – International Journal for Research under Literal Access (IRJULA)

Responsibilities held at Institution Level --

Responsibilities held at Department Level

1. Member IQAC
2. NAAC- Coordinator, NBA and NAAC
3. In-charge, Department Library

Research Guidance --

Awards Received

1. UGC-RFSMS Research Fellowship
2. Research Ratna Award of the Year 2019 by IRJULA

Courses Handled at Under Graduate level Engineering Physics, Applied Physics, Introduction to Mechanics and Electromagnetic Theory, Optics and Semiconductor Physics.

No. of Papers Published/Presented National Journals - -- International Journals – 07

National Conference – 11 International Conference – --

Projects Carried out --

Patents --

Technology Transfer --

Invited Speaker --

No. of Books/Chapter Published with details --

Details of Short-Term Training Programs /Faculty Development Programs /Seminars/Workshops/ Other Trainings (Attended and/or Organized).

1. Member, Organizing Committee of Seven Day refresher course on “ Bharatheeya Chaitanyam” organized by Gheervana Bharathi of Chaitanya Samskruti, CBIT, Gandipet, Hyderabad., during 29<sup>th</sup> June 2020 to 5<sup>th</sup> July 2020.
2. Organized, One day seminar on “Recent Trends in Materials and Its Applications in Engineering” at CBIT, Gandipet, Hyderabad on 20<sup>th</sup> November 2019.
3. Organized, One day Seminar on ”Physics and its applications in Engineering” at CBIT, Gandipet, Hyderabad on 13<sup>th</sup> March 2019.
4. Organized, One day Workshop on “Role of Physics in Engineering Curriculum, at CBIT, Gandipet, Hyderabad on 30<sup>th</sup> June 2017.
5. Participated in One day workshop on "Materials processing and Technology" organized by Department of Physics & Chemistry, MGIT, Gandipet, Hyderabad on 27.06.2020.
6. Participated in Three Day Online FDP on “Perovskite Solar Cells – An Emerging Photovoltaic Technology”, there are 3 sessions during the programme, Session I: Perovskite solar cells –Introduction held on 26<sup>th</sup> June 2020, Session 2: Device Architecture and Fabrication Techniques held on 27<sup>th</sup> June 2020 and Session3: Presentation on recent publications held on 28<sup>th</sup> June 2020, organized by Sreenivasa Institute of Technology and Management Studies, Chittoor. (26.06.2020 to 28.06.2020).

7. Attended, One Week Webinar on “NAAC Online teaching Learning” organized by Inpods India Pvt. Limited. during 16<sup>th</sup> June 2020 to 20<sup>th</sup> June.2020.
8. Attended, One day Online workshop on Intellectual Property rights” organized by Pandit Deendayal Petroleum, Gujarat. on 11<sup>th</sup> April 2020.
9. Participated in a Webinar on “Advanced Materials Processings” organized by Narasaraopeta Engineering College(NEC) , Dept . of Mechanical Engg., Narasaraopeta,AP. on 4<sup>th</sup> June 2020.
10. Participated in One Week Online FDP on “Materials: Recent trends and Engineering Application” organized by GRIET, Kukatpally, from 2<sup>nd</sup> June 2020 to 7<sup>th</sup> June 2020.
11. Participated in One Week Online FDP on “ Outcome Based Education and NBA Accreditation Process- (UG)” organized by CBIT, Gandipet, Hyderabad during 28<sup>th</sup> May.2020 to 1<sup>st</sup> June 2020.
12. Participated in, One Week Online FDP on “Outcome Based Education” organized by Govt. College of Engineering Karad , Maharastra, (AICTE sponsored) during 11<sup>th</sup> May 2020 to 15<sup>th</sup> May 2020.
13. Participated in One Week Online FDP on “Material Sciences: Synthesis and Characterization” organized by Dept. of Physics, Institute of Science, Shri Vaishnav Vidyapeeth Vishwavidyalaya, Ujjain Road, Indore., during 11<sup>th</sup> May 2020 to 15<sup>th</sup> May 2020.
14. Participated in Three day Online workshop on “Effective and Efficient teaching in the age of Corona –A Hands on Workshop” organized by Teaching Learning Centre (ICT) ,IIT Bombay. Funded by PMMMNMTT, MHRD. Interaction on 24<sup>th</sup> May 2020.
15. Completed, Six Weeks online course on “Physics of Silicon Solar Cells” conducted by École Polytechnique through Coursera w.e.f 27<sup>th</sup> April 2020.
16. Completed, Seven Week online course on “Programming For Everybody( Getting started with Python) conducted by University of Michigan through Coursera w.e.f 14<sup>th</sup> April 2020.
17. Completed, Eight Week online course on “Learning Physics Through Simple Experiments” organized by IIT Kanpur, during 2<sup>nd</sup> April 2020 to 10<sup>th</sup> June 2020.
18. Completed, Two Week online course on “Digital Transformation In Teaching Learning Process” sponsored by MHRD, TEQUIP 3, IIT Bombay during 6<sup>th</sup> April 2020 to 22<sup>nd</sup> April 2020.
19. Participated in One day National Seminar on “ Intellectual properties Rights in Academic Research” organized by Intellectual Property Rights Cell , RBVRR Women's College, Narayanguda, Hyderabad on 15<sup>th</sup> February 2020.
20. Completed, 12 weeks NPTEL online course on “NATE-NBA Accreditation” from 27<sup>th</sup> January 2020 to 26<sup>th</sup> April 2020.
21. Completed, Three Weeks “Orientation Programme”, organized by UGC- HRDC, OU, Hyderabad during 4<sup>th</sup> July 2019 to 25<sup>th</sup> July 2019.
22. Participated in One week STTP on “NBA Accreditation “at CBIT in collaboration with NITTTR, Kolkata through ICT mode during 22<sup>nd</sup> April 2019 to 26<sup>th</sup> April 2019.
23. Attended, Two day National workshop on “Alternative Liquid Fuels in IC Engines(ALFICE-17) organized by the Department of Mechanical Engineering, CBIT and TEQUIP- held at Chaitanya Bharathi Institute of Technology, Gandipet, Hyderabad during 17<sup>th</sup> February.2017 to18<sup>th</sup> February 2017.

#### **International/National Journals from the Year 2017**

1. Yanala Srinivasa Reddy , Chittepu Obula Reddy , Maringanti Subhadra &Kurapati 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.
2. .M.Subhadra, S. Sulochana and P.Kistaiah (2018), “Effect of V<sub>2</sub>O<sub>5</sub> content on physical and optical properties of Lithium Bismuth Borate Glasses”., Materials Today: Proceedings, Volume 5, Issue 13,pp. 26417-26423.

#### **International/National Conference Proceedings from the Year 2017**

1. M.Subhadra and P.Kistaiah, (2018), “ Influence of V<sub>2</sub>O<sub>5</sub> on Physical, Optical and Electrical Properties of Mixed Alkali Bismuth Borate Glasses.” , 5<sup>th</sup> National conference on Applied Physics and Materials Science (APMS-2018), held at Vasavi College of Engineering (A), Imbrahimbagh, Hyderabad, during 7-8<sup>th</sup> September.
2. M.Subhadra and P.Kistaiah (2017), “Effect of V<sub>2</sub>O<sub>5</sub> content on physical and optical properties of Lithium Bismuth Borate Glasses.”, National seminar on Physics and Chemistry of Non-crystalline materials held at Kakani Venkata Ratnam College, Nandigama, A.P., India during 1<sup>st</sup> and 2<sup>nd</sup> December.