

Name of Faculty Dr P MURALIKRISHNA  
 Designation Assistant Professor  
 Nature of Job/Appointment Regular  
 Date of Joining 03-10-2011  
 E-mail pmuralikrishna\_chm@cbit.ac.in



Education Qualifications	Name of the Degree	Class
Ph. D	Doctor of Philosophy (Physical Chemistry)	Awarded
PG	M.Sc. (Organic Chemistry)	First
UG	B. Sc. (B.Z.C)	Second

#### Work Experience

Teaching	18Years
Research	04 years
Industry	--
Others	--
Area of Specialization	Physical Chemistry
Professional Memberships	--

Responsibilities held at Institution Level

- 1.Co-Incharge AEC since April, 2024
2. Member, Student counseling committee since 2020.
3. Member, Anti Ragging Committee Since 2021

Responsibilities held at Department Level

1. Incharge, ISO since Aug, 2013 to till date.

Research Guidance --

Awards Received --

Courses Handled at Under Graduate / Post Graduate Level. Engineering Chemistry, Physical chemistry, Organic Chemistry, IPA Chemistry, B.Sc. chemistry – I, II, III, and IV

No. of Papers Published

National Journals –04	International Journals – 17
National Conference –	International Conference –02

Projects Carried out --

Patents --

Technology Transfer --

Invited Speaker

1. Received letter of appreciation from Principal, Telangana gurukul degree college for women, kamareddy, for delivering lecture on Physical chemistry, 21<sup>st</sup> November 2020.
2. Received letter of appreciation from Principal, CBIT. for delivering lectures on pharmacological chemistry to Dr.Reddy's laboratory employees, 11<sup>th</sup> October to 20<sup>th</sup> December 2015.
3. Received letter of appreciation from Principal, CBIT. For delivering lectures on pharmacological chemistry to Dr.Reddy's laboratory employees.12<sup>th</sup> September to 15<sup>th</sup> December 2014.

No. of Books/Chapter Published with details ---

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

#### Organized

1. One week Faculty Development Programme on "Recent trends in advanced materials science and engineering technology" from 08-03-2021 to 12-03-2021, Department of chemistry, CBIT.

#### Attended

1. Three day online National FDP on ICT Tools for effective teaching learning from 8<sup>th</sup> to 10<sup>th</sup> June organized by Kamala Nehru Mahavidyalaya, Nagpur.
2. One Week Online National Level Faculty Development Programme on "Research Methodology In Humanities & Social Sciences", from 29<sup>th</sup> May to 3<sup>rd</sup> June, 2021 organised by Department of Chemistry, Lords Institute of Engineering and Technology, Hyderabad.
3. One week online faculty development programme on "IPR & Patent Prosecution" organized by Department of Computer Science and Engineering in association with Institution Innovation Council (IIC), MVSREC, Hyderabad from 24-May-2021 to 28-May-2021.
4. National level one week Faculty Development Programme on Research Methodology from 26<sup>th</sup> April to 01<sup>st</sup> May, 2021 organized by Amarseva Mandals Kamala Nehru Mahavidyalaya, Nagpur.
5. One week online faculty development programme organized by Department of Physics and Chemistry, Gokaraju Ranga raju Institute of Engineering and Technology on "Materials, Recent trends and Engineering applications" during 02-07, June 2020.
6. One week faculty development programme organized by Chaitanya Bharathi Institute of Technology on "Outcome based education and NBA accreditation process(UG)" during 28<sup>th</sup> May to 01<sup>st</sup> June 2020.
7. One week faculty development programme organized by Department of Freshman engineering, Vardhaman College of Engineering on "Emerging trends in sciences - usage of research tools and techniques" during 15<sup>th</sup> June to 20<sup>th</sup> June 2020.
8. A five day short term training programme by National institute of technical teachers training and research (NITTTR) on "Development programme on laboratory instructions and manual" between 4<sup>th</sup> February to 8<sup>th</sup> February, 2019.
9. A one day seminar on "physics and its applications in Engineering" by department of physics, CBIT on 13<sup>th</sup> march, 2019.
10. Three day faculty development programme on students induction at G.Pulla Reddy engineering college, Kurnool from 19<sup>th</sup> to 21<sup>st</sup> December, 2019.(AICTE Sponsored).
11. A one day national workshop on smart problems: teacher's perspectives on changing student perceptions, Department of English, CBIT, Hyderabad, on 15<sup>th</sup> December 2018.

#### Details of Journal Publications / Conferences (National and International) from the year 2017

##### International Journals from the year 2017

1. K. Vinay Kumar Reddy, G. Srinivas Reddy, **P. Muralikrishna**, S. Shravan Kumar Reddy, B. Sreenivasa Reddy Natural background outdoor gamma radiation levels and mapping of associated risk in Siddipet district of Telanagana State, India" **Nuclear and Particle Physics Proceedings**, Vol (339-340), 114-119, November (2023)
2. S Shanmukha rao Samatham, Venkateshwara Yenugonda, Gowrinaidu Babbadi, **Muralikrishna Patwari**, Arjun K Pathak, P Manual, D Khalyavin, Stephen Cotrell, A D Hiller, K G Suresh, "Magnetic field-induced narrow first-order and metamagnetic phase transitions of Nd<sub>5</sub>Ge<sub>3</sub>" **AIP Advances** 14, 025216 (2024).
3. E Praveen Kumar, N Chanakya, Ayesha Siddique, Kurugundla Gopi Krishna, B Vijaya Kumar, **P Muralikrishna**, G Upender, "Investigations on MWO<sub>4</sub> (M = Cu, Zn, Cd and Sn) nanostructures for detecting toluene gas at room temperature" **Sensors and Actuators A: Physical** 368, 115094 1 April (2024),
4. D. Satya Vardhana, Ch Sameer a Devi b, P. Nagaraju c, **P. Muralikrishna** d, B. Vijaya Kuma r e, G. Upender, "Room temperature sensing of ammonia and formaldehyde gases through novel anisotype heterojunction of p-Co<sub>3</sub>O<sub>4</sub>/n-Gd<sub>0.1</sub>Ce<sub>0.9</sub>O<sub>2-δ</sub> as highly responsive and stable sensors" **Materials chemistry and physics**, 128694 (2023)
1. M.Anand, **P.Muralikrishna**, D.Suresh Babu, B.VijayaKumar and G.Upender (2021) "Vibrational, thermal and optical studies of 30TeO<sub>2</sub>.39.5B<sub>2</sub>O<sub>3</sub>.(30-X)-ZnO-xLi<sub>2</sub>O-0.5V<sub>2</sub>O<sub>5</sub>(0≤x≤30 mol%) glass system". *Journal of Non-Crystalline Solids*, 566 (2021) 120875-120882. Impact Factor **2.929**. ISSN: 00223093.
2. Dhanaja Kotte, Kumaraswamy Gullapelli, Brahmeshwari Gavaji, Ramchander Merugu, Ravichander Maroju, **Muralikrishna Patwari** (2020) "An efficient synthesis, anti-inflammatory activity and molecular docking studies of new triazinanes and iminothiazolidinones". *Research J. Pharm. and Tech.* 13(10): 4743-4750, October 2020. Impact Factor **0.38**. ISSN:0974-360X(online), 0974-3618

(Print).

3. **Dr.P.Muralikrishna**, Dr.G.Kumaraswamy and G.Srinivas Reddy (2020) "Measurements of thermodynamic and transport properties of binary liquid mixtures of sulfolane with some organic solvents at 303.15K". International e-conference on "materials processing and characterization" September, 18<sup>th</sup> and 19<sup>th</sup>, 2020, Department of Physics, Chaitanya Bharathi Institute of Technology, Hyderabad on. (Paper published).[Vandana Publications, 290-296, ISBN: 978-81-946476-9-0].
4. **P.Muralikrishna\***, B.Sathyanarayana, K.Rajagopal, & M.Amarnath. (2019), "Thermodynamic and transport properties of binary liquid mixtures of sulfolane with some organic solvents at 308.15K". *International Journal of Recent Scientific Research*, Vol.10, issue 05(B), May 2019, 32254-32257.[ISSN:0976-3031]
5. Amara Jyothi Koppula, **Murali Krishna Patwari**, Sathyanarayana Boodida, Satyanarayana Nallani\* (2017), "Transport Properties of Binary Liquid Mixtures of - butyrolactone + aliphatic Alcohols Studied in the Temperature Range of (303.15 to 313.15) K". *International Journal of Engineering Research and Technology*, Vol. 6 Issue 7, 586-590, July, (2017). (Doi: 10.17577/IJERTV6IS070246) (ISSN: 2278-0181).

#### **International Conferences from the year 2017**

1. Dr.P.Muralikrishna (2021), Presented a paper titled "Thoron progeny levels in dwellings of Jagtial District, Telangana state, India". First International e - Conference on Management, science and Technology" 29<sup>th</sup> and 30<sup>th</sup> May, 2021, RBVRR womens college, Hyderabad, India.
2. Dr.P.Muralikrishna (2021), Presented a paper titled, "Study on Acoustic and Volumetric Properties of Binary Liquid Mixtures of Sulfolane with N-Pentylamine, 2-Aminopentane and 3-Amino Pentane at 303.15K. - An Insight from Physicochemical Parameters". International Conference on Advances in Science, Engineering and Technology" 21<sup>st</sup> and 22<sup>nd</sup> May, 2021, KSRR College of Engineering, Kadapa, Page 6, 2021.
3. Dr.P.Muralikrishna (2021), Presented a paper titled, "Thermodynamics and Transport Properties of Binary Liquid Mixtures of Sulfolane With 1-propanol, 1-butanol and 1-pentanol At 298.15K.". International virtual conference on materials and nanotechnology 29<sup>th</sup> and 30<sup>th</sup> April, 2021, Department of Physics, Guru Nanak College of Science, Ballarpur, 2021.
4. Dr.P.Muralikrishna(2021), Presented a paper titled, "Excess volumes and isentropic compressibilities of binary liquid mixtures of sulfolane with some organic solvents at 313.15K". International e-conference on advances in materials Science" 23<sup>rd</sup> and 24<sup>th</sup> April, 2021, Post graduate Department of Physics and IQAC of Raje Ramrao Mahavidyalaya, Jath, Page no. 216, 2021.
5. Dr.P.Muralikrishna (paper presented) in International conference on "Chemistry for Sustainable Future", August, 7<sup>th</sup> to 9<sup>th</sup>, 2018, Department of Chemistry, Palamuru University, Mahaboobnagar.

