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| Name of Faculty | Dr. K RAJAGOPAL |
| Designation | Assistant Professor |
| Nature of Job/Appointment | Regular |
| Date of Joining | 16-01-2006 |
| E-mail | krajagopal_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 (Math's, Physics & Electronics) | First Class |

Work Experience

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|---|---|
| Teaching | 26 Years |
| Research | 09 years |
| Industry | -- |
| Others | -- |
| Area of Specialization | Biophysics |
| Professional Memberships | -- |
| Responsibilities held at Institution Level | 1. Worked as coordinator, WBC, Department of Biotechnology from 30-01-2020 to 22-06-2020. 2. Worked as Mentor, Induction Program for B E/B Tech I semester. |
| Responsibilities held at Department Level | 1. In charge of Physics lab 2. Class in charge for I year |
| Research Guidance | -- |
| Awards Received | -- |
| Courses Handled at Under Graduate / Post Graduate Level. | Engineering Physics, Applied Physics, Introduction to Mechanics and Electromagnetic Theory, Optics and Semiconductor Physics, History of Science and Technology |
| No. of Papers Published | National Journals – 03 International Journals – 06 National Conference – 03 International Conference – 02 |
| Projects Carried out | -- |
| Patents | -- |
| Technology Transfer | -- |
| Invited Speaker | -- |
| No. of Books/Chapter Published with details | -- |
| Details of Short-Term Training Programs / Faculty Development | 1. Participated in "Strategic Leadership in Manufacturing & Industry 4.0: Driving Innovation for Future" at Chaitanya Bharathi Institute of Technology from 10/02/2025 to 15/02/2025 " conducted by ATAL academy (online) 2. Completed one week STTP on "Transformative AI tools for research writing" organized by MLRIT, Hyderabad from 30-09-2024 to 5-10-2024 (online) |

3. Completed "AICTE evaluated two week patent course" organized by turnip innovations and facilitated by Dr. Rahul Kapoor from 07-11-2024 to 20-11-2024 (online).
4. Participated in the Online AICTE Recognized Faculty Development Programme on Developing values and ethics 14/07/2021 to 18/07/2021 (One Week) Organized by Education and Educational Management Department NITTTR, Chandigarh
5. Participated and successfully completed AICTE Training And Learning (ATAL) Academy Online FDP on "Alternate Fuels" from 2020-9-7 to 2020-9-11 at Christian College of Engineering & Technology.
6. Participated in One Week Online Faculty Development Programme on "Student Induction and Universal Human Values" organized by Department of Physics, CBIT from 26-08-2020 to 30-08-2020.
7. Participated in the Online AICTE Recognized Faculty Development Programme on Advances in Laser Technology from 03/08/2020 to 07/08/2020 (One Week) Organized by Applied Science Department NITTTR, Chandigarh.
8. Participated in the Online AICTE Recognized Faculty Development Programme on Evaluation and Setting Question Papers 20/07/2020 to 24/07/2020 (One Week) Organized by Education and Educational Management Department NITTTR, Chandigarh
9. Eight week course on "Learning Physics Through Simple Experiments", by CCE, IIT Kanpur, 2-4-2020 to 10-6-2020
10. One week online FDP on "Materials: Recent trends in engineering and applications" by GRIET, Hyderabad, during 2-6-2020 to 7-6-2020.
11. Participated in webinar on 'Creative writing of research proposals and articles' by Aadikavi Nannaya University, Rajahmahendravaram, AP on 4-6-2020.
12. Participated in webinar titled "Experimental Biophysics-Organization of molecules in Biological Membranes". Organized by Department of Physics, St. Francis College for Women on (3-6-2020).
13. Successfully Completed "Academic Information Seeking" an online non-credit course authorized by University of Copenhagen and offered through Coursera on 05-05-2020.
14. A workshop on "Effective and Efficient Online Teaching in the Age of Corona, A Hands On Workshop", by IIT Bombay, 17-5-2020.
15. Participated in webinar on cyber security Dept. of Computer science, Sri Indu Institute of Engineering and Technology, Hyderabad on (26-5-2020).
16. A 12 week course on "NBA Accreditation and teaching and learning in engineering", by NPTEL, during January 2020 to April 2020
17. One day seminar on "Physics and its Applications in Engineering", by Department of Physics, CBIT Hyderabad, on 13-3-2019
18. A one week STTP through ICT mode on "Development of Laboratory Instruction and Manual", by National institute of Technical teachers Training and Research, Kolkata, during 4-2-2019 to 8-2-2019
19. One week Course on "Powder X – Ray Diffraction: Theory, Practical and Applications", by CCE, IISc Bengaluru, during 14-5-2018 to 18-5-2018
20. Two day National workshop on "Alternative liquid fuels in IC engines", by Department of Mechanical Engineering, CBIT, during 17-2-2018 to 18-2-2018

Details of Journal Publications/
Conferences (National and
International)

International Journal from the year 2017

1. Shaik Kareem Ahmmada, M.M. Ahmed Mahmoodib, Nazima Siddiquia, Mudavat Srinivasb, Mohd Abdul Muqeetc, Kurapati Rajagopal, J. Laxman Naik (June 2025). The effect of potassium oxide on bioactivity and drug delivery characteristics in borosilicate glasses. *Ceramics International* (In the press) (Elsevier)
2. Prabhu Rajagiri, B. Arun, Rajagopal Kurapati, S. Shanmukharao Samatham, Santhosh Kumar Adpa, Sankararao Yadam, Bunty Rani Roy, Gowrinaradu Babbadi, K.C. James Raju (June 2025). Uncovering the magnetism, universality class, magnetocaloric effect and ferromagnetic resonance of quenching-treated $\text{Co}_{0.3}\text{Zn}_{0.7}\text{Fe}_2\text{O}_4$. *Materials Chemistry and Physics* (Elsevier)
3. Venkateshwarlu, M., K Rajagopal, C. Obula Reddy and Y.S. Reddy (2022). Investigation of groundwater contamination due to landfill leachate. *Indian Journal of Environmental Protection* 42 (7), 857 - 862
4. Kurapati Rajagopal, Y.S.Reddy and C.Obula Reddy (2022). Impact of various factors on the stability of biodiesel-A review. *Journal of biotech research*, 13-pp.64-77.
5. Chittepupobulareddy, Kurapati Rajagopal, Homology Modeling and Drug Designing of Tumor Necrosis Factor14 Involved in Rheumatoid Arthritis, *IJPR*, Volume, Issue13, ISSN 0975-2366, July-sep2021.
6. Venkateshwarlu, M., K Rajagopal and Y.S. Reddy (2020). Geochemical studies on the ground water of kistapur village, Medchal district, Telangana state, India. *Indian Journal of Environmental Protection* 40 (8), 887 - 891
7. Kurapati Rajagopal Yanala Srinivasa Reddy and Chittepupobula Reddy (2020) Distortion of Ultrasonic Waves in Long – Term Stored Biodiesels and Blends.
8. *European Journal of Molecular & Clinical Medicine*, ISSN 2515-8260 Volume 7, Issue 11, 2738-2749
9. Chittepupobula Reddy, Yanala Srinivasa Reddy, Maringanti Subhadra &
10. Kurapati Rajagopal (2020): 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*
11. <https://doi.org/10.1080/15567036.2020.1817193>
12. Reddy, Y.S. Obula Reddy, C. Subhadra, M and Rajagopal, K (2020) "Long-term storage effect on molecular interactions of biodiesels and blends", *Energy Sources, Part A: Recovery, Utilization and Environmental Effects*. Published online (16-06-2020)
13. <https://doi.org/10.1080/15567036.2020.1776798>
14. Reddy, Y. S. and K. Rajagopal (2019) "Low Temperature Magneto Transport Studies on Double Layered Manganite $\text{Pr}_{1.2}\text{Sr}_{1.8}\text{Mn}_2\text{O}_7$ ", *International Journal of Engineering, Applied and Management Sciences Paradigms (IJEAM)*, Volume 54, pp.169
15. Rajagopal, K. and Adeel, A (2018) "Ultrasonic absorption of biodiesels and blends", *Energy Sources, Part A: Recovery, Utilization and Environmental Effects*, Volume 40, Issue 1 pp. 88–92
16. Rajagopal, K and Adeel, A (2017) "Determination of blend level of biodiesel in petroleum diesel by ^1H NMR spectroscopy", *Journal of Chemical, Biological and Physical Sciences*, Volume 7, Issue 3 pp. 626-634.

International /National Conferences from the year 2017

1. Presented paper in National Conference on Biological, Biochemical, Biomedical, Bioenergy, and Environmental Biotechnology on The Sediment Formation in Long-Term Stored Biodiesels and Blends with respect to Fatty Acid Profile of Biodiesel. NIT Warangal during 29-30 Jan, 2021
2. Attended the International e-Conference on Materials Processing & Characterization (ICMP&C-2020), during 18-19 September 2020, conducted by Department of Physics, CBIT, Hyderabad
3. K Rajagopal, Ch Obula Reddy, M Subhadra & Y S Reddy (2020). The behavior of ultrasonic waves in long-term stored biodiesels and blends in International conference on advanced materials science and applications (ICAMSA-2020) organized by MS Ramaiah Institute of Technology, Bangalore on 3rd and 4th September, 2020.
4. K Rajagopal and YS Reddy (2019) "Ultrasonic studies on stored biodiesels and blends", Research Day, CBIT
5. YS Reddy and K Rajagopal (2019) "Electrical and ultrasonic studies on CMR Pervoskite Manganite $\text{Ce}_{0.7}\text{Sr}_{0.3}\text{MnO}_3$ at room temperature", 6th National Conference on Applied Physics and Materials Science, APMS-2019, Souvenir pp.27