

Name of Faculty Dr. K Rajagopal  
 Designation Assistant Professor  
 Nature of Job/Appointment Regular  
 Date of Joining 26-5-2010  
 E-mail krajagopal\_biotech@cbit.ac.in



Education Qualifications	Name of the Degree	Class
Ph. D	Doctor of Philosophy (Physics)	Awarded
PG	M.Sc. (Physics)	First
UG	B. Sc. (M P E)	First

Work Experience

Teaching	23.5 Years (Includes Research Experience)
Research	08 years
Industry	--
Others	--

Area of Specialization Bio-Physics and Bio-Fuels

Professional Memberships

Responsibilities held at Institution Level

Responsibilities held at Department Level

1. In charge of Physics Lab
2. Coordinator, WBC, Department of Biotechnology from 30-01-2020 to 22-06-2020.

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 – 0 International Journals – 04  
 National Conference – 03 International Conference – 0

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. Successfully Completed "Material Science: 10 things every engineer should know" an online non-credit course authorized by Moscow Institute of Physics and Technology and offered through Coursera on 12-07-2020
2. Successfully Completed "Scholarly communication" an online non-credit course authorized by Moscow Institute of Physics and Technology and offered through Coursera on 6-07-2020
3. Participated in a Two-Day National Level Virtual Workshop on "The Role of Chemistry in Modern Healthcare" organized by Department of Physics and Chemistry, Mahatma Gandhi Institute of Technology, Hyderabad from 3-07-2020 to 4-07-2020
4. Participated the TEQIP-III sponsored webinar "BIOENERGY: TRANSITION AND TECHNOLOGY" held by Dr B R Ambedkar NIT, Jalandhar on 03-7-2020
5. Participated in the IIC Online Sessions conducted by Institution's Innovation Council (IIC) of MHRD's Innovation Cell, New Delhi to promote Innovation, IPR, Entrepreneurship, and Start-ups among HEIs in 15 sessions from 28-04-2020 to 22-05-2020
6. Successfully Completed "The Science of Success: What

- Researchers Know that You Should Know” an online non-credit course authorized by University of Michigan and offered through Coursera on 13-05-2020
7. Successfully Completed “Technical Writing” an online non-credit course authorized by Moscow Institute of Physics and Technology and offered through Coursera on 12-05-2020
  8. Eight-week course on “Learning Physics Through Simple Experiments”, by CCE, IIT Kanpur, 2-4-2020 to 10-6-2020
  9. One-week online FDP on “Materials: Recent trends in engineering and applications” by GRIET, Hyderabad, during 2-6-2020 to 7-6-2020
  10. Successfully Completed “Academic Information Seeking” an online non-credit course authorized by University of Copenhagen and offered through Coursera on 05-05-2020.
  11. Successfully Completed “Introduction to Psychology” an online non-credit course authorized by Yale University and offered through Coursera on 04-05-2020
  12. A workshop on “Effective and Efficient Online Teaching in the Age of Corona, A Hands On Workshop”, by IIT Bombay, 17-5-2020
  13. A 12-week course on “NBA Accreditation and teaching and learning in engineering”, by NPTEL, during January 2020 to April 2020
  14. One day seminar on “Physics and its Applications in Engineering”, by Department of Physics, CBIT Hyderabad, on 13-3-2019
  15. 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
  16. One-week Course on “Powder X – Ray Diffraction: Theory, Practical and Applications”, by CCE, IISc Bengaluru, during 14-5-2018 to 18-5-2018
  17. 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

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

1. 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)  
<https://doi.org/10.1080/15567036.2020.1776798>
2. 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
3. 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
4. Rajagopal, K and Adeel, A (2017) “Determination of blend level of biodiesel in petroleum diesel by  $^1\text{H}$  NMR spectroscopy”, *Journal of Chemical, Biological and Physical Sciences*, Volume 7, Issue 3 pp. 626-634

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

1. K Rajagopal and YS Reddy (2019) “Ultrasonic studies on stored biodiesels and blends”, Research Day, CBIT
2. 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
3. K Rajagopal (2018) “Verification of standard specification of kinematic viscosity of biodiesels and blends”, 5th National Conference on Applied Physics and Materials Science, APMS-2018, VCE, Souvenir pp.33