

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

Work Experience

Teaching	26 Years
Research	09 years
Industry	--
Others	--
Area of Specialization	Biophysics
Professional Memberships	--
Responsibilities held at Institution Level	<ol style="list-style-type: none"> 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	<ol style="list-style-type: none"> 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
Projects Carried out	--
Patents	--
Technology Transfer	--
Invited Speaker	--
No. of Books/Chapter Published with details	--
Details of Short-Term Training Programs / Faculty Development	<ol style="list-style-type: none"> 1. 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 2. 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.
3. 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.
 4. 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.
 5. 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
 6. Eight week course on “Learning Physics Through Simple Experiments”, by CCE, IIT Kanpur, 2-4-2020 to 10-6-2020
 7. One week online FDP on “Materials: Recent trends in engineering and applications” by GRIET, Hyderabad, during 2-6-2020 to 7-6-2020.
 8. Participated in webinar on ‘Creative writing of research proposals and articles’ by Aadikavi Nannaya University, Rajamahendravaram, AP on 4-6-2020.
 9. 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).
 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. A workshop on “Effective and Efficient Online Teaching in the Age of Corona, A Hands On Workshop”, by IIT Bombay, 17-5-2020.
 12. Participated in webinar on cyber security Dept. of Computer science, Sri Indu Institute of Engineering and Technology, Hyderabad on (26-5-2020).
 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

Details of Journal Publications/
Conferences (National and
International)

International Journal from the year 2017

1. Venkateswarlu, 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
2. 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.
3. Chittepupubalareddy, Kurapati Rajagopal, Homology Modeling and Drug Designing of Tumor Necrosis Factor14 Involved in Rheumatoid Arthritis, IJPR, Volume, Issue 13, ISSN 0975-2366, July-sep 2021.
4. Venkateswarlu, 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
5. Kurapati Rajagopal Yanala Srinivasa Reddy and Chittepu Obula Reddy (2020) Distortion of Ultrasonic Waves in Long – Term Stored Biodiesels and Blends.
6. European Journal of Molecular & Clinical Medicine, ISSN 2515-8260 Volume 7, Issue 11, 2738-2749

7. Chittepu Obula Reddy , Yanala Srinivasa Reddy , Maringanti Subhadra &
8. 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
9. <https://doi.org/10.1080/15567036.2020.1817193>
10. 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)
11. <https://doi.org/10.1080/15567036.2020.1776798>
12. 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
13. 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
14. 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

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