

Staff Profile

1. Name : **K. RAJKUMAR**
2. Gender : MALE
3. Age as on 01.04.2019 & D.o.B : 40 & 22/10/1978
4. Educational Qualifications : M. Sc., M. Phil.,



S. No.	Degree	College/University	Year of passing	Subjects	Grade/ Percentage
1	Ph.D.	A.V.C. College (Autonomous) / Bharathidasan University, Trichy.	Doing	PHYSICS	-
2	M.Phil.	St. Joseph's College (Auto), Trichy.	2004	PHYSICS	73.4
3	M.Sc.	Govt. Arts College (Auto), Kumbakonam.	2001	PHYSICS	78.8
4	B.Sc.	Govt. Arts College (Auto), Kumbakonam.	1999	PHYSICS	83.3

5. Total Teaching Experience as on 01.04.2019

Sl. No.	Name of the Institution	From	To	YY/MM/DD
1	M. R. Govt. Arts College, Mannargudi.	12.08.2003	17.04.2009	05/08/05
2	Govt. Arts College (Autonomous), Kumbakonam.	17.06.2009	04.01.2011	01/06/17
3	A.V.C. College (Autonomous), Mannampandal.	05.01.2011	Till Date	08/03/25

6. Total Teaching Experience at A.V.C College (specify SF/Aided) as on 01.04.2019: **SF**

Sl. No.	Institution	From	To	Subjects Taught	Remarks
1	Self financing	05.01.2011	Till Date	Physics	-
2	Aided	-	-	-	-

7. Conferences attended - Number 4

1. Attended "National level Conference on Recent Trends in Materials Science" sponsored by UGC, New Delhi at A.V.C. College (Autonomous), Mannampandal, Mayiladuthurai from 08.03.2012 to 09.03.2012.
2. Attended "National Level Conference on Recent Advances in Molecular Spectroscopy" organized by Department of Physics –TAC & KMCPGS, Puducherry on 14th Sep.2014.

3. Presented a paper entitled “Crystal growth, Experimental investigation [FT – IR, FT – Raman] and Theoretical (HF and DFT calculations) analysis on Bis(thiourea) Nickel Fluoride” in the National conference on Recent Advances in Molecular Spectroscopy organized by Department of Physics –TAC & KMCPGS, Puducherry on 14th Sep.2014.
4. Presented a paper entitled “Crystal growth and characterization, FT – IR and FT – Raman analysis on Bis(thiourea) Nickel Bromide using computational calculations” in the National conference on recent advances in Molecular Spectroscopy organized by Department of Physics –TAC& KMCPGS, Puducherry on 14th Sep.2014.

8. Workshops attended – Number 2

1. Attended workshop on “SETTING QUESTION BANK FOR PART-A QUESTIONS” at A.V.C College (Autonomous), Mannampandal, Mayiladuthurai on 26 & 27 December 2011 sponsored by UGC, New Delhi.
2. Attended one day workshop on “Computer Based Science Experiments” at National College (Autonomous), Trichy in collaboration with Inter university Accelerator Centre, New Delhi and TNSCST on 30th June 2018.

9. Seminar attended - Number 2

1. Participated in the National Seminar on “*Recent Advances in Molecular Spectroscopy (RAMS-18)*” at Sengamala Thayaar Educational Trust Women’s College, Mannargudi on 27th Feb-2018.
2. Participated in one day “*International Seminar on Recent Advance in Material Science(ISRAMS-2018)*” held at Idhaya College for Women, Kumbakonam on 12th September 2018.

10. Invited Talk/Guest Lecture (2006 onwards)

- Acted as a Resource person at the workshop on “*Techniques in Physics*” for graduate teachers held at DBTR–National higher secondary school, Mayiladuthurai on 09.02.2012; conducted by RMSA.

11. Other positions held in A.V.C. College :

Sl. No.	Positions held	From	To	Nature of work
1.	Processing Member	May 2016	Till Date	Admission Processing committee

12. Research Articles Published : Number

Journals:

1. *“Molecular Structure, Vibrational spectra [FT-IR and FT-Raman], Electronic spectra [UV-Visible] and NMR Analysis on Hydroquinone Using HF and DFT Calculations”* in International Advanced Research Journal in Science, Engineering and Technology, Vol. 3, Issue 5 (May 2016) 211 – 223, R. Durga, S.Anand, **K. Rajkumar**, S. Ramalingam, R.S. Sundararajan.
2. *“The spectroscopic (FT-IR, FT-Raman, NMR & UV-Vis) and first order hyperpolarizability, HOMO and LUMO analysis of Maleic anhydride by HF and DFT methods”* in IOSR Journal of Applied Physics, Vol. 8, Issue 3 (June 2016) 1 – 14, R. Durga, S. Anand, **K. Rajkumar**, S. Ramalingam, R.S. Sundararajan.
3. *“Vibrational Spectroscopic Studies, Experimental and Computational calculations of L-Glutamine Potassium Carbonate”* in International Journal of Basic and Applied Research, Vol.9, Issue 3 (March 2019), R. Durga, R.S. Sundararajan, S. Anand, **K. Rajkumar**.

13. Books Published : Number

Title of the book: ‘Electricity, Magnetism and Electromagnetism’ in English medium for B.Sc. Physics under the programme of the Centre for Distance Education, Bharathidasan University, Tiruchirappalli. (August 2013)

14. Residential Address:

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Kumbakonam – 612 401.
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