

Staff Profile



1. Name : Dr. K.KARPAGAVALLI
2. Gender : Female
3. Age as on 01.04.2019 : 42 & 15-05-1977
4. Educational Qualifications : M.Sc., Ph.D. M.E.,(CS),M.Sc.,(Yoga)

S.No	Degree	Name of the college/University	Year of Passing	Subject	Class
1	B.Sc.	A.V.C College, Mannampandal, Bharathidasan University	1997	Physics	First
2	M.Sc.	Annamalai University	2000	Physics	First
3	Ph.D.	Annamalai University	2004	Physics	-
4	M.E.	Sathyabama University	2010	Computer Science	First / Distinction
5	M.Sc.	Tamil Nadu Physical Education and Sports University	2013	Yoga	First

5. Total Teaching Experience as on 01.04.2019

S.No	Name of the Institution	From	To	YY/MM/DD
1	A.V.C College, Mannampandal	12/10/13	Till date	05/06/12
2	SRR Engineering College, Padur, Chennai.	17/08/05	31/06/13	07/09/14
3	Annamalai University (DDE)	-/06/04	-/05/05	00/11/00

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

S.No	Name of the Institution	From	To	YY/MM/DD
1	Aided	13/10/13	Till date	05/06/12

7. Conferences/Seminars attended:-

- ICP-AES studies on the effect of iron on groundnut, **National Seminar on Modern Trends in Applied Spectroscopy, (NASMTAP-2004)25-26th March-2004**-.Annamalai University, Annamalai nagar
- Fuzzy logic modeling for the evaluation of soil suitability, **National conference on Recent Advances in Molecular Interactions, 26-27, March 2004**, PSG College of Arts and Science, Coimbatore.
- FTIR spectral analysis on the effect of zinc and cadmium on groundnut cultivar, **National seminar on Optoelectronic phenomena , 10 – 12 , August 2007** , St Aloysius college , Edathua, Kerala.
- ICP-AES studies on the effect of Zinc on groundnut (*Arachis hypogaea L.*),. **National conference on recent advances in molecular structure, 19-20 July, 2007**, Aarupadai Veedu institute of technology, Paiyanoor, Chennai.
- FTIR spectral analysis on the effect of some heavy metals in groundnut cultivar, **International Conference on Trends in Intelligence electronic systems, 12-14, November 2007**, Sathyabama University, Chennai.
- Comparison of Fuzzy logic and statistical modeling for the evaluation of soil suitability for the cultivation, **National conference on Recent Advances in Physics, NCRAP-08, 1-2 Feb, 2008**, Pachaiyappa's College, Chennai
- ICP-AES, FTIR studies on the effect of Cadmium on the Groundnut cultivar, **International Conference on Perspectives in Vibrational Spectroscopy, 24-28 Feb. 2008**, Mar Ivonis College, Trivandrum
- Ultrasonic studies of molecular interactions in the solutions of poly (propylene glycol) 400 in n-alkanols, **National Conference on the emerging areas in Chemistry,NACEAC-2009, 31st July and 1st Aug. 2009**, Department of studies in Chemistry , University of Mysore, Manasagangothri, Mysore.

- ICP-AES and FT-IR studies on the effect of zinc on groundnut (*arachis hypogaea* L.) cultivar. **International conference on recent frontiers in Applied Spectroscopy (ICORFAS-2010) 22-24th, Sept. 2010**, Department of Physics, Annamalai University, Annamalai nagar.
- Effect of n-alkyl amines on micellization of aqueous Sodium Dodecyl Sulphate solutions through Ultrasonic Measurements, **Second International Conference on Materials in Future (ICMF-2011) ,23-25th Feb. 2011**, Government Engineering College, Trichur, Kerala, India.
- **Second International Conference on Materials in Future (ICMF-2011) 23-25th Feb. 2011**, Government Engineering College, Trichur, Kerala, India
- A study on acoustical parameters for the characterization of artificially removed adult renal stones, **International Conference on emerging trends in Physics, (ICETP-13), 21-22 Feb'13.**, Department of Physics, St. Joseph's college of Arts and Science, Cuddalore, Tamilnadu.
- UGC Sponsored Seminar on Renewable Energy sources and Utilization held at poombuhar college (Autonomous) , melaiyur on 28-01-2015
- UGC sponsored National workshop on paper publication from **16th -17th December 2016** at Annamalai university.
- One day seminar on "Current trends in advanced materials" on **21st February 2017** at Nethaji Subash Chandra bose college, Thiruvarur.
- Presented a paper in the international conference on "Application oriented materials in science and technology (ICAOMSAT-2018)" at EGS Pillai arts and science college, Nagapattinam on 14,15th Sept 2018.

8. Positions Held in other Institutions:

S.No	Positions Held	From	To	Name of the Work
1	Time Table coordinator	15/05/07	31/06/11	Time table
2	Faculty Adviser	12/10/10	31/06/13	Students Counseling
3	Head of the Dept.	10/06/07	31/06/13	Physics Dept. In charge

9. Research Article Published:

- **Beneficial and toxic effects of Iron on Groundnut (*Arachis Hypogaea* L.)**
K.Karpagavalli and SB. Kalyanaraman, *Ind. J. Environmental Protection*, 23(2003)10.
- **Toxicity of Cadmium on Groundnut (*Arachis Hypogaea* L.)**
K.Karpagavalli and SB. Kalyanaraman, *Acta Cinecia Indica*, Vol.XXX2, (2004)131.

- FTIR studies on the effect of Groundnut (Arachis Hypogea L.)
K.Karpagavalli and SB. Kalyanaraman, *Pollution Research*, (2004), Vol.XXX2.
 - ICP-AES, FTIR studies on the effect of Cadmium on the Groundnut cultivar.
Perspectives in Vibrational Spectroscopy: ICOPVS 2008; American Institute of Physics,
Page no.184 Available online <http://proceedings.aip.org/proceedings/cpcr.jsp>
 - Theoretical evaluation of ultrasonic velocity in binary mixtures of aprotic and inert solvents.
K.Raju and K.Karpagavalli, *Journal of convergence in engineering, Technology and science* Vol 1(1) pp 31-34 (2009)
 - Ultrasonic studies of molecular interactions in the solutions of poly (propylene glycol) 400 in n-alkanols
K. Raju, K.Karpagavalli and P.Krishnamurthi, *European Journal of Applied Engineering and Scientific Research*, 1 (4):216-219,2012.
 - A study on acoustical parameters for the characterization of artificially removed adult renal stones.
K. Raju and K.Karpagavalli, *Archives of Applied Science Research*, 5 (1):124-133,2013.
 - Effect of n-alkylamines on micellisation of aqueous sodium dodecyl sulphate solutions through ultrasonic measurements
K. Raju, C.Rakkappan and K.Karpagavalli, *Chemical Science Transactions*,3(2), 2014.
 - Effect of heavy metal pollution on groundnut (Arachis hypogaea L.) cultivar – A Spectroscopic study”
Karpagavalli K and Raju K *Advances in Natural and Applied Sciences*. 11(4) **April 2017**,
Pages: 120-122.
10. Membership in Professional Bodies (other than Board of Studies, Academic Council etc.,)

- **Membership in Indian society of Technical Education**

11. Other Positions Held in A.V.C College:

S. No.	Positions held	From	To
1.	YOGA Coordinator	2015	Till Date

12. Residential Address: 179, Thirukula Street,
Mannampandal, Mayiladuthurai
OFFICIAL MAIL ID:kkarpagavalli@avccollege.net