

## CURRICULUM VITAE

**Name** : **Dr. M. Elanthiraiyan**  
**Designation** : Associate Professor  
**Department** : Physics  
**Correspondence Address** : 32, Vadamalli St, Tiruchirappalli 620002  
**Email and Contact number** : [elan65nct@gmail.com](mailto:elan65nct@gmail.com), 9842659208  
**Date of Birth** : 11-03-1965  
**Academic Qualification** : M.Sc.,M.Phil.,B.Ed., Ph.D.

Degree	Year	Subject	University/Institution	% of Marks
B.Sc.	1987	Physics	Bharathidasan University	63
M.Sc.	1989	Physics	Bharathidasan University	73
M.Phil	1990	Physics	Bharathidasan University	74
B.Ed.	1991	Physics	Annamalai University	67
Ph.D	2018	Physics	Bharathidasan University	Commended

**Ph.D thesis title** :

AB initio and DFT calculations for the structure and vibrational spectra, molecular electrostatic potential, NBO, NLO, and HOMO-LUMO analyses of some cyclic and heterocyclic compounds

**Guide's Name** : Dr. B. Jayasutha  
**Institution/ University** : H.H. The rajah's College, Pudukkottai, Affiliated to Bharathidasan University  
**Year of Award** : 2018

### Employment History

Position held	Name of the Institute	From	To
Lecturer	National college	2000	2005
Assistant Professor	National college	2005	2013
Associate Professor	National college	2013	Till date

## Publications

- Solvent Accessibility Studies on Glycosaminoglycans  
P. Kaliannan, M. Michael Gromiha, K. Ramamurthi and M. Elanthiraiyan  
Biophysical Chemistry 74(1998) 11-22
- Solvent Accessibility Studies on Polysaccharides  
P. Kaliannan, M. Michael Gromiha and M. Elanthiraiyan  
Int. J. of biological Macromolecules 28(2001) 135-141
- Spectroscopic (FT-IR and FT-Raman) Investigation Molecular electrostatic potential, First hyperpolarizability and HOMO-LUMO analysis of isosafrole .  
M. Elanthiraiyan, B. Jayasudha and M. Arivazhagan  
J. of Research in Science Vol. 2, December 2014, 17-20
- Molecular structure, vibrational spectroscopy, NBO and HOMO, LUMO studies of O-Methoxybenzoxonitrile  
M. Elanthiraiyan, B. Jayasudha and M. Arivazhagan  
Spectrochimica Acta Part-A 134(2015) 543-552
- Vibrational Spectral Study of 2, 4, 4-trimethyl-2-oxazoline with density function theory, NBO and HOMO-LUMO Analysis.  
M. Elanthiraiyan, B. Jayasudha, M. Arivazhagan and N. Saravanan  
Elixir Vib. Spec. 86 (2015) 35018-35027
- Growth and some characterization of L-Asparagine Monohydrate Potassium Iodide (LAMPI) Crystal M. Elanthiraiyan, M. Kandasamy, G. Kanagan, G. Govindarajan, S. Pari and R. Sambasivam  
Compliance engineering journal ISSN NO. : 0898-3577  
Volume 10, issue 9, 2019 Page no. : 286

**h-index**      **3**      **i10 index**      **2**      **Total citations**      **33**

**Source:** Google Scholar – July 2024

Publications access online: <https://vidwan.inflibnet.ac.in/profile/163916>

**Vidwan Score: 5.6/10**

## Research guidance

M.Phil. : 30

M.Sc. Dissertations : 55

## DECLARATION:-

I certify that the aforementioned information is correct and complete to the best of my knowledge and belief.

**M. Elanthiraiyan**