

Dr. K. P. ELANGO

1. Designation : Senior Professor & Head
2. Department : Chemistry
3. Qualification : M.Sc., M.Phil., Ph.D.,
4. Experience (in years) : Teaching: 33 years, Research: 30 years
5. Area of Specialization : 1) Coordination Compounds
2) Optical Sensors
3) Ligand-DNA Binding
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10. IRINS Link : [107248](#)
11. Research Guidance :



Degree	Awarded		Guiding
	Total	For the period 2019-2024	
Ph.D.	28	09	06

12. **Publications**

S.No.	Category	Total	For the period 2019-2024
1.	No. of UGC-CARE Listed Publications	247	60

Select Publications (2019-2024)

S.No.	Title of the Article	Name of the Journal	I/N	ISBN/ISSN	Vol.	Pg.	Year
1.	Fluorescent detection of Al(III) and CN in solid and aqueous phases and their recognition in biological samples	Journal of Molecular Liquids	I	1873-3166	317	113970	2020
2.	A simple imine as a dual-channel chemosensor for detection of CN ⁻ and HS ⁻ ions via different mechanisms in organic and aquo-organic media	Journal of Photochemistry Photobiology A: Chemistry	I	1873-2666	406	113021	2021
3.	Molecular spectroscopic and molecular simulation studies on the interaction of oral contraceptive drug ormeloxifene with CT-DNA	Spectrochimica Acta Part A	I	1386-1425	278	121351	2022
4.	Spectroscopic and TD-DFT studies on the sequential fluorescent detection of Cu(II) and HS ⁻ ions in an aqueous solution	Inorganic Chimica Acta	I	0020-1693	550	121447	2023
5.	N,N',N''-Trisubstituted guanidine derivatives as DNA-intercalators: synthesis, crystal structures and biophysical investigations	New Journal of Chemistry	I	1369-9261	47	14185-14194	2023

13. **Sponsored Projects:**

Major Projects handled so far	
Nos.	Financial Outlay (Rs.in lakhs)
05	56.67

14.	No. of Seminars/Conferences/Workshops organized (2019-2024)	: 01
15.	Details of Awards and Honors (from recognized Govt. agencies) (2019-2024)	: 03
16.	No. of Invited Talks in National / International Conferences (2019-2024)	: 02