

Profile of Dr. K.P.Elango

- (i) Designation : Professor
(ii) Qualification : M.Sc., M.Phil., Ph.D.,
(iii) Experience : 24 years
(iv) Specialization : Chemistry – Inorganic Chemistry
(v) Email id : drkpelango@rediffmail.com



(vi) Research Guidance:

Degree	Awarded	Guiding
M.Phil	3	-
Ph.D	12	7

(vii) Publications

Sl. No.	Category	Total	For the period 2010-2016
1.	No. of Publications in International and National Journal	167	71

Selected Publications

Sl. No	Title of the Article	Name of the Journal	I/N	ISBN/ISSN	Vol.	Pages	Date, Month and Year
1.	Simple colorimetric chemodosimeters for selective sensing of cyanide ion in aqueous solution via termination of ICT transition by Michael addition.	Sensors & Actuators B: Chemical	I	0925-4005	221	1441-1448	2015
2.	Amino-naphthoquinone and its metal chelates for selective sensing of fluoride ions.	Sensors & Actuators B: Chemical	I	0925-4005	215	544-552	2015

3.	Synthesis, crystal structures, luminescence properties and catalytic application of lanthanide(III) piperidine dithiocarbamate complexes.	Polyhedron	I	0277-5387	93	8-16	2015
4.	Synthesis, spectral characterization, crystal structures of lanthanide(III) pyrrolidine dithiocarbamate complexes and their catalytic activity.	J. Coord. Chem.,	I	0095-8972	68	2167-2180	2015
5.	One pot synthesis of 2-arylbenzoxazoles under gas free carbonylation using a solid carbon monoxide source.	Asian J. Org. Chem	I	2193-5807	4	354-358	2015

(viii) Sponsored Projects

Major Projects handled so far		Major Projects handled during 2010-2015	
Nos.	Financial Outlay	Nos.	Financial Outlay
5	Rs.52 lakhs	2	Rs.27 lakhs

(ix) Details of Projects (2010-16)

S. No.	Title of the Project	Funding Agency	Duration	Total Amount in lakhs
1.	Rationalization of drug-receptor interaction mechanism through physic-chemical study of its charge-transfer complexes	UGC, New Delhi	2011-2014	Rs.6.75
2.	Rational Design of Metal Complex based Selective Fluoride Ion Sensors Possessing Novel Signaling Unit with Augmented H-Bonding Abilities to work in Organic and Aqueous Media.	CSIR, New Delhi	2013-2016	Rs.20.00

(x) Seminars/Conferences/Workshops attended (2010-16) : 5

(xi) Invited talks in National / International Conference (2010-16) : 5

(xii) Additional responsibilities (2010-16):

- Director, USIC (upto Aug 2015)
- Director (Admission) from July 2015