

RESUME

Name : Dr K. ARUN PRASATH LINGAM

Department : Chemistry

Designation : Assistant Professor

Category : Aided

Phone No : 9943730035

Email Id : prasatharun08@gmail.com

Date of Birth : 12.03.1986 (19.04.85 official)

Date of Joining : 23.06.2014

Date of Retirement : 30.04.2045



Qualification:

Sr.	Category	Name of the Degree	Specialization	Year of Passing	Name of the College/University	% of Marks / Grades Obtained	Class Obtained
1	Full Time	Ph.D	Organic Chemistry	2014	CSIR-Central Leather research Institute (CLRI), University of Madras	---	---
2	All India Competitive Exam	GATE	Chemical Sciences	2009	IIT ROORKEE	90.71 percentile	---
3	All India Competitive Exam	CSIR-JRF-NET	Chemical Sciences	2008	Council of Scientific and Industrial Research(CSIR)-UGC	---	---
4	Full Time	M.Phil.	General Chemistry	2008	Pondicherry University	74.5	I
5	Full Time	M.Sc.	General Chemistry	2007	S.T. Hindu College, Nagercoil, M.S. University	61.9	I
6	Full Time	B.Sc.	General Chemistry (Physics, Maths)	2005	TDMNS College, T. Kallikulam, M.S. University	84.5	I

Academic Experience:

Name of the College	Whether Aided/SF	Designation	Joining Date	Relieving Date	Experience		
					Years	Months	Days
Kamaraj College	Aided	Assistant Professor	23.06.14	---	9	3	
				Total	9	3	

Administrative / Other Position held:

Name of the Organization	Designation	Nature of Work	Joining Date	Relieving Date	Experience		
					Years	Months	Days
CSIR-CLRI	CSIR-JRF	Research	8.7.2009	7.7.2011	2	0	0
CSIR-CLRI	CSIR-SRF	Research	8.7.2011	22.06.2014	2	11	4
SERB-TARE	Principal Investigator	Research	5.1.2022	ongoing			
				Total	4	11	4

Number of Ph.D scholars registered:

Sr.	Name of the Scholar	Register Number	Year of Registration	Name of the University
1	Mr S. A. Deva Prince	21122102031005	2021	M.S University, Tirunelveli
2	Ms V. Esaivani	21212102032007	2022	M.S University, Tirunelveli
3	Ms J. C. Chrislin Mario	23112102032014	2023	M.S University, Tirunelveli
4	Ms. J. Jehima	23112102032015	2023	M.S University, Tirunelveli

Minor / Major Projects ongoing:

Sr.	Project Title	Duration	Funding Agency	Total Cost
1	Green and Recyclable Covalent organic frame work for PhotoOrganoCatalytic C-H Activation: An Investigation of Novel Drug Leads	3 years (2021-2024)	SERB-TARE	18.3 Lakhs

Books Published:

Sr.	Title	Year	Publisher	Place
1	Organic Chemistry-I (For M.Sc Students)	2023	TNOU	Chennai

Papers Published:

Sr.	Name of the Author	Title of the Paper	Name of the Journal	Year	Vol. No.	Page No	Impact of Factor
1	S. Muthu manickam M. Thennila, Dr. P. Yuvaraj, Dr. K. Arun Prasath Lingam, Dr. K. Selvakumar	An Efficient Synthesis of Heterogeneous and Hard Bound Ti ^{IV} -MCM-41 Catalyzed Mannich Bases and π -Conjugated Imines,	<i>Chemistry select</i>	2021	6	14071	2.307

2	A. Parthiban, K. Arun Prasath Lingam , S. Mangal Raj, P. Muthu Krishnan, & M. Surendiran	Structural Elucidation and Position Identification of Cu(II) ion in Hexaaquazinc (diaquabismalonto) zincate: Single Crystal EPR and Optical Studies	<i>Journal of cluster Science</i>	2020	32	1401	3.447
3	P.Yuvaraj, H.B. Singh, K. Arun Prasath Lingam , D.Kathirvelan, S. Nagarajan	Highly Efficient Endo'- Selective Synthesis of (Dispiro 3,2'- Pyrrolidiny) bisoxindoles Containing Three Contiguous Chiral Stereocenters With Two Contiguous Quaternary Spirostereocenters	Journal of chemical science	2020	132	76	2.150
4	M.Senbagapushpam, T. Muthukumar, M. Paulpandian, K. Arun Prasath Lingam and K. Selvakumar	Controlled and Diastereoselective Synthesis of α -(3-hydroxy-2 oxoindolin-3-yl)- β aminopropanoates	Tetrahedron	2019	76	130238	2.388
5	K. Arun Prasath Lingam , P. Amutha, P. Yuvaraj, K. Selvakumar	Controlled and efficient Stereoselective synthesis of Oxindole-Appended 1-Aza-1,3-butadiene Derivatives via a One-Pot Buchwald-Hartwig Amination/Elimination Strategy	Synthesis	2018	50	599	3.019
6	K. Selvakumar, K. Arun Prasath Lingam	A Facile and Efficient Synthesis of C-3/C-5 Bis-functionalized 2- Oxindole Derivatives from 5-Formyl-Morita-Baylis-Hillman Adducts of Oxindole	Journal of Chemical Sciences	2015	127	1417	
7	K. Selvakumar, K. Arun Prasath Lingam , R. V. L. Varma, V. Vijayabasker	Controlled and Efficient Synthesis of Quinoline Derivatives from Morita-Baylis-Hillman Adducts <i>via</i> Palladium Catalyzed Heck Reaction/Cyclization	Synlett.	2015	26	646	2.206
8	K. Selvakumar, K. Arun Prasath Lingam , R. V. L. Varma	Development of a mild and efficient protocol for the protection and O-alkylation of allylic alcohol.	RSC Advances	2014	4	36538	4.036
9	K. Arun Prasath Lingam , P. Shanmugam	Palladium catalyzed vinylcyclopropane rearrangement of oxindole appended vinylcyclopropanes: A highly diastereoselective of spirocyclopentene-2-oxindoles	Tetrahedron Letters	2013	54	4202	2.259
10	K. Arun Prasath Lingam , P. Shanmugam, A. B. Mandal	Stereoselective Synthesis of Geometrically Strained, Oxindole Appended Vinyl Aziridines <i>via</i> Sulfur Ylide Aziridination	Synthetic Letters	2012	23	2903	2.206
11	K. Arun Prasath Lingam , K. Selvakumar P. Shanmugam	A short and efficient stereoselective synthesis of geometrically strained, oxindole appended vinyl cyclopropanes, vinyl aziridines and highly substituted cyclopentenones <i>via</i> sulphur ylide cyclopropanation and VCP rearrangement	Synthetic Letters	2012	13	368	2.206
12	K. Arun Prasath Lingam , P. Shanmugam, A. B. Mandal	A novel MgI_2 mediated unusual dimerization-spirocyclopropanation of bromo isomerised Morita-Baylis-Hillman adducts of isatin: A facile synthesis of 3-spiro cyclopropane-2-oxindole derivatives	Tetrahedron Letters	2011	52	3610	2.259

13	K. Arun Prasath Lingam , S. Mithira, P. Sambasiva Rao	Interstitial Substitution of VO(II) in Hexaaquazinc(diaquabis(malonato)zincate: A Rare Observation	<i>Applied Magn. Reson</i>	2010	38	295	0.974
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Other Relevant Information:

Conference / Seminar / Workshop / Orientation / Refresher Course / Symposia / Training Programme Attended:

Sr.	Theme	Place	International / National / State Level	Year	Resource Person / Paper Presentation / Participation
1	Bridging Chemistry & Human Developments	Popes's College, Sawyerpuram	International Level	2023	Resource person
2	88 th Annual Meeting of the Indian Academy of Sciences	SRM University AP, Amaravati	National Level	2022	Participation
3	Workshop on "RAD7 Radon Detector" sponsored by the DST-SERB	VOC College, Thoothukudi.	State Level	2022	Participation
4	"Promotion of STEM course among rural students	A. M.A. Hindu Hr.Sec.School, Sivathiyapuram	District Level	2021	Resource person
5	Spoken Tutorial-IIT Bombay	VO Chidambaram college, Tuticorin	State Level	2020	Participation
6	Computer Aided Drug Design	Manonmaniam Sundaranar University, Tirunelveli.	State Level	2020	Participation
7	Orientation for Research Supervisors	Manonmaniam Sundaranar University, Tirunelveli.	State Level	2017	Participation
8	Emerging trends in medicinal chemistry	Anna University, Thoothukudi.	National Level	2017	Participation
9	Analytical techniques	Zirconium complex, playa kayal	State Level	2017	Participation
10	Analytical techniques in organic chemistry	Sri Ramakrishna Mission college of arts and science, Periyannayan palayam, Coimbatore	State Level	2016	Participation
11	Recent advances in Chemistry	VO Chidambaram college, Tuticorin	National Level	2016	Participation
12	Emerging frontiers in Nano Science	Holy cross college (Autonomous), Nagercoil	National Level	2015	Participation
13	Emerging Trends in Chemistry	St. Xavier's College (Autonomous), Palayamkottai.	National Level	2015	Participation
14	National seminar on current trends in chemistry	APC Mahalaxmi college for women, Thoothukudi	National Level	2014	Participation

15	Tetrahedron Symposium “Challenges on Bioorganic and Medicinal chemistry”	Amsterdam, The Netherlands.	International Level	2012	Paper presentation
16	National Organic Symposium Trust	Indian Institute of Interdisciplinary and science, Mohali, Punjab.	National Level	2012	Paper presentation
17	International Conference on Hetrocyclic Chemistry	Rajasthan University, Jaipur, Rajasthan.	International Level	2011	Paper presentation
18	A National Conference on Recent Trends in Chemistry	Indian Institute of Technology Madras, Chennai.	National Level	2011	Paper presentation
19	Recent Advances in chemistry	Annamalai University, Chidambaram, Tamil Nadu.	National Level	2010	Paper presentation
20	Green Chemistry	Pondicherry University, Puducherry	National Level	2009	Participation

Awards and Fellowships

1	Senior Research Fellowship (SRF) from the Council of Scientific and Industrial Research (2011).
2	Junior Research Fellowship (JRF) from the Council of Scientific and Industrial Research (CSIR) in National Eligibility Test (CSIR-JRF-NET-2008).
3	Qualified GATE (Graduate Aptitude Test in Engineering) exam in 2009 with 90.71 percentile
4	International travel grant awarded by Department of Science and Technology to attend tetrahedron symposium in Amsterdam, The Netherlands
5	Won best oral presentation award held in CSIR-CLRI at November 2011
6	Has got Summer Research Fellowship by Indian Academy of Science, Bangalore to work with Prof. Dr. S. Baskaran, Department of Chemistry, IIT Madras for two months from April to June 2019.
7	Summer Research Fellowship-2022 offered by Indian Academy of Science, Bangalore to work with Prof. Dr. Mandeep Kapur, Department of Chemistry, IISER Bhopal.

Guest Lecture Delivered

1.	Delivered a one-hour guest lecture as a Resource Person on the topic entitled “ <i>What is lacking and what is needed for chemistry graduate students</i> ” for I, II B.Sc. and III B.Sc. Chemistry students on 31 th January, 2015 at Arul Anander College, Karumatur, Madurai District.
2.	Delivered a one-hour guest lecture as a Resource Person on the topic entitled “ <i>What is lacking and what is needed for chemistry post graduate students</i> ” for I and II M.Sc. Chemistry students on 16 th February, 2015 at Annai Velankanni College, Tholayavattam, kanniyakumari District.
3.	Delivered a one-hour guest lecture as a Resource Person on the topic entitled “ <i>Structural identification of organic compounds by NMR spectroscopy</i> ” for I and II M.Sc. Chemistry students on 16 th February, 2015 at Annai Velankanni College, Tholayavattam, kanniyakumari District.
4.	Delivered a one-hour guest lecture as a Resource Person on the topic entitled “ <i>What is lacking and what is needed for chemistry graduate and post graduate students</i> ” for B.Sc. and M.Sc. Chemistry students on 28 th February, 2015 at Theni Kammavar College, Theni, Tamilnadu.

5.	Delivered a one-hour guest lecture as a Resource Person on the topic entitled “ Structural identification of organic compounds by NMR spectroscopy ” for I and II M.Sc. Chemistry, I, II & III year B.Sc Chemistry students on 8 th September 2015, APC Mahalaxmi College, Thoothukudi.
6.	Delivered a one-hour invited lecture as a Resource Person on the topic entitled “ Structural elucidation and Stereochemistry of organic compounds ” for I and II M.Sc. Chemistry students on 19 th December, 2017 at Annai Velankanni College, Tholayavattam, kanniyakumari District.
7.	Delivered a Three-hour guest lecture as a Resource Person on the topic entitled “ Structural elucidation and Stereochemistry of organic compounds ” and for I and II M.Sc. Chemistry students on 10 th March, 2018 at Arul Anander College, Karumatur, Madurai District.
8.	Delivered a one and half-hour webinar on ‘NET/SET training classes’ as a Resource Person on the topic entitled “ Oxidation and reduction reactions, Structural elucidation of organic compounds by NMR Spectroscopy ” for I, II M.Sc. Chemistry students, Research scholars and Faculty members as on 18 th August, 2021 organized by PG department of chemistry, Kamaraj College, Thoothukudi.
9.	Delivered a one-hour online guest lecture as a Resource Person on the topic entitled “ What is lacking or chemistry graduates ” and for B.Sc. Chemistry students on 12 th December, 2021 at St Mary’s College, Thoothukudi
10.	Delivered a one-hour online guest lecture as a Resource Person on the topic entitled “ What is lacking or chemistry graduates ” and for B.Sc. Chemistry students on 16 th May, 2022 at TDMNS College, T.Kallikulam, Tirunelveli.
11.	Delivered a one and half hour guest lecture as a Resource Person on the topic entitled “Reaction, Reagents and stereochemistry in Organic synthesis” and for B.Sc. and M.Sc. Chemistry students on 3 th August, 2022 at Vivekananda College, Madurai.
12.	Delivered a one hour guest lecture as a Resource Person on the topic entitled “What is needed for Chemistry graduates” and for B.Sc. Chemistry students on 9 th September, 2022 at Govindammal Aditnar College, Tiruchendur.
13.	Delivered a one hour guest lecture as a Resource Person on the topic entitled “Challenges and Opportunities for Chemistry Post Graduates” for M.Sc. Chemistry students on 25 th August, 2023 at popes College, Sawyerpuram.
Seminar or Conference organized/acted as a jury	
14	Acted as a co-convener for the State Level seminar on “Frontier areas in Chemistry” (FAC-2019) conducted by Department of Chemistry, Kamaraj College, Thoothukudi.
15	Acted as a Session Chair in the internal conference on “Recent Trends in Multi-Disciplinary Research held at APC Mahalaxmi College for Women, Thoothukudi on 27-28 February 2020.
16	Acted as a jury in oral presentation session of the international virtual conference on “Expanding frontiers in chemistry” organized by PG department of chemistry, Arul Anander college, Madurai on 11 th November 2021
Orientation/Refresher course attended	

17.	Completed two weeks online refresher course in Chemistry by Ramanujan College, New Delhi from 29.11.2022 to 13.12.2022.
18.	Completed a MHRD sponsored Two Weeks online Faculty Development Programme on "MANAGING ONLINE CLASSES and CO-CREATING MOOCS" from April 20 - May 06, 2020.
19.	Completed a MHRD sponsored Swayam- Online Refresher Program entitled “Refresher course in Chemistry for higher education faculties” in the year of 2021 and secured “A” grade
20.	Completed a MHRD sponsored Swayam- Online Refresher Program entitled “Refresher course in Chemistry for higher education faculties” on 30.3.19 and secured “D” grade
21.	Completed a UGC- sponsored Refresher Program at Sri Venkateshwara University on 12-11-2018 to 1-12-2018 and secured “A” grade
22.	Completed a UGC- sponsored Orientation Program at University of Madras on 8-11-2014 to 3-12-2014 and secured “A” grade

It is certified that all the information provided are true to the best of my knowledge.

(Endorsement by the Principal)