


## RESUME

<b>1</b>		<b>Name : Dr. K. LOGANATHAN</b>						
<b>2</b>	Date of Birth	04.11.1979						
<b>3</b>	Designation	<b>Assistant Professor in Chemistry</b>						
<b>4</b>	Address for	<b>Office</b> Post Graduate and Research Department of Chemistry, Jamal Mohamed College (Autonomous), Affiliated to Bharathidasan University, Tiruchirappalli – 20, India						
	<b>Residence</b> 4/173, Iyanar Nagar, 3 <sup>rd</sup> cross, Gundur, Tiruchirappalli–7, India Phone : 9788789693							
<b>5</b>	Educational Qualifications	M.Sc. , M.Phil.,Ph.D.						
<b>6</b>	Teaching Experience	<table style="width: 100%; border: none;"> <tr> <td style="text-align: center;"><u>UG</u></td> <td style="text-align: center;"><u>PG</u></td> <td style="text-align: center;"><u>M.Phil.</u></td> </tr> <tr> <td style="text-align: center;">16 years</td> <td style="text-align: center;">16 years</td> <td style="text-align: center;">9 years</td> </tr> </table>	<u>UG</u>	<u>PG</u>	<u>M.Phil.</u>	16 years	16 years	9 years
<u>UG</u>	<u>PG</u>	<u>M.Phil.</u>						
16 years	16 years	9 years						
	Research Experience	11 years						
<b>7</b>	Areas of Specialization	Synthetic Organic Chemistry						
<b>8</b>	Languages Known	Tamil, English						
<b>9</b>	Subjects Teaching	<i>UG</i> :Inorganic Chemistry <i>PG</i> : Physical Chemistry <i>M.Phil.</i> : Research Methodology, Applications of spectroscopy						
<b>10</b>	Research Supervision	<table style="width: 100%; border: none;"> <tr> <td style="text-align: center;">Completed</td> <td style="text-align: center;">Pursuing</td> </tr> <tr> <td style="text-align: center;">16</td> <td style="text-align: center;">02</td> </tr> </table>	Completed	Pursuing	16	02		
Completed	Pursuing							
16	02							
	M.Phil.							

### Minor Research Project

Agency	Title	Duration
<b>UGC, New Delhi</b>	Synthesis, characterization and Pharmacological importance of pipeidopyrimidines	2 years, 2009-2011

### Orientation/ Refresher Course

S. No.	Name of the Training	Name of the sponsoring agency	Place and Date
1	Orientation Programme	UGC-Academic Staff College	Bharathidasan University, Trichirappalli, 02.03.2010 to 29.03.2010.
2	Refresher Course in Chemistry	UGC-Academic Staff College	Bharathidasan University, Trichirappalli, 20.11.2012 to 10.12.2012.
3	Refresher Course in Nanoscience	UGC-Human Resource Development Centre	University of Madras, Chennai 17.11.2015 to 07.12.2015.
4	Refresher Course in Basic Sciences	UGC Human Resource Development Centre	University of Calicut, Kerala 15.06.2017 to 05.07.2017.

### Publications:

1. K. Loganathan, K. Sithick Ali, M. Purushothaman, Synthesis, antimicrobial and antifeedant activity of 2-acetyl-6-(substitutedcinnamoyl)-5-methyl-3-(substituted styryl) benzo[1,2-b;5,4;b']difurans under PTC, *Indian J. Heterocyclic Chem.*, **2007**, 317, 16.
2. K. Loganathan, K. Sithick Ali, M. Purushothaman, A facile Synthesis of substituted benzopyrone and their antimicrobial / antifeedant activity, *Indian. J. Heterocyclic Chem.*, **2009**, 219, 16.
3. K. Loganathan, K. Sithick Ali, M. Purushothaman, Synthesis, characterization, biological importance of aminocyanopyridines, *Int. J. Chem Tech Res*, **2012**, 42, 479.
4. K. Loganathan, K. Sithick Ali, M. Purushothaman, J. A Selvin, A facile synthesis of coumarin derivatives as potent antimicrobial agent, *Int. J. Chem Tech Res*. **2014**, 6(1), 538.
5. K. Loganathan, K. Sithick Ali, M. Purushothaman, Synthesis and characterisation of 2-(substitutedphenyl)azo-4,6-dipropionylresorcinol derivatives, *World J. Pharm. Res.*, **2015**, 4(6), 1694.
6. M. Purushothaman, K. Loganathan, K. Sithick Ali, Synthesis and characterization of azo derivatives of diacetylresorcinol, *J. Chem. Pharm. Res.*, **2015**, 7(4),1452.
7. K. Loganathan, K. Sithick Ali1, J. Gerad Rakesh, A. Mohan, R. Thulasibabu, Rajani Gopal Gad, M. Purushothaman , S. Silambarasan, A. Jamal Abdul Nasser, Small molecule antagonist for EGFR- a preliminary computational framework of azo derivatives as therapeutic agent for bladder cancer, *World. J. Pharm. Res.* **2015**, 4, (8), 1069,.

8. K. Loganathan and K. Sithick Ali, *In silico* docking study of azo compounds of 4,6-dipropanoylresorcinol as EGFR antagonists, *J. Chem. Pharm. Res.*, **2016**, 8(1), 542,.

9. K. Loganathan and K. Sithick Ali, Synthesis, characterization and biological studies of some azo compounds, *J. Chem. Pharm. Res.*, 8(5):895-899, 2016.

10. K. Loganathan, K. Sithick Ali, M. Purushothaman and S. Parimala Vijayanthi, Synthesis and antimicrobial activity of some piperidopyrimidines, *Int. J. Res.Org.Chem.*, 2016, **6(2)**, 23.

### **Paper (s) Presentation:**

1. Paper Presented at the “National Seminar on Recent Trends in Chemistry” paper entitled “A novel synthesis of aminocyanopyridine derivatives and their biological importance” conducted by Annamalai University on 17<sup>th</sup> and 18<sup>th</sup> October, 2008.

2. Presented a research Paper entitled “Synthesis, characterization and antimicrobial activities of 4,6-disubstituted resorcinol derivatives at the state level seminar on new vistas in chemistry (NVC-2012), Organized by PG & Research Department Of Chemistry, Jamal Mohamed College (Autonomous), Tiruchirappalli-620 020, Tamilnadu on 4<sup>th</sup> and 5<sup>th</sup> January 2012.

3. Paper presented at National Conference on Current Trend in Chemistry Research (NCTCR-2013) paper entitled “Synthesis, Characterization and Pharmacological importance of piperidopyrimidines ” Organized by the PG & Research Department of Chemistry, Jamal Mohamed College, Tiruchirappalli-620 020, Tamilnadu on 27<sup>th</sup> and 28<sup>th</sup> February-2013.

4. Presented a research Paper entitled “Synthesis of aminocyano pyridines as potent antimicrobial agent” at the International Conference on Chemical and Environmental Research (ICCER-2014), Organized by PG & Research Department Of Chemistry, Jamal Mohamed College (Autonomous), Tiruchirappalli-620 020, Tamilnadu on 11<sup>th</sup> and 12<sup>th</sup> March 2014.

5. Presented a research Paper entitled ‘synthesis and characterization of 4,6-bis (dibromoacetyl)-2-bromoresorcinol at “Current Scenario in material Chemistry (CSIMC-2015)” conducted by the PG & Research Department of Chemistry, Jamal Mohamed College, Tiruchirappalli -20 during 9<sup>th</sup> and 10<sup>th</sup> February 2015.

6. Presented a research Paper entitled “*In silico* docking study of azo compounds of 4,6-dipropanoyl resorcinol as an EGFR antagonist” at the International Conference on Chemical and Environmental Research (ICCER-2016), Organized by PG & Research Department Of Chemistry, Jamal Mohamed College (Autonomous), Tiruchirappalli-620 020, Tamilnadu on 17<sup>th</sup> December 2015.

7. Presented a research Paper entitled “EGFR antagonists: *In silico* docking study of azo compounds of 4,6- diacetylresorcinol” at the International Conference on Chemical and Environmental Research (ICCER-2017), Organized by PG & Research Department Of Chemistry, Jamal Mohamed College (Autonomous), Tiruchirappalli-620 020, Tamilnadu on 7<sup>th</sup> January 2017.

8. Presented a research Paper entitled “*In silico* comparative study of rule of five and rule of three on the azo compounds of 4,6-diacetylresorcinol” at the 4<sup>th</sup> International Conference on Chemical and Environmental Research (ICCER-2018), Organized by PG & Research Department Of Chemistry, Jamal Mohamed College (Autonomous), Tiruchirappalli-620 020, Tamilnadu on 19<sup>th</sup> December 2018.
9. Presented a research Paper entitled “Crystal structure of 4H-pyran derivative: 2-amino-4-(2,5-dimethoxyphenyl)-6-methoxy-4H-pyran-3,5- dicarbonitrile” at the International Conference on Chemical and Environmental Research (ICCER-2016), Organized by PG & Research Department Of Chemistry, Jamal Mohamed College (Autonomous), Tiruchirappalli-620 020, Tamilnadu on 8<sup>th</sup> January 2020.
10. Presented a research paper entitled “An efficient, green, catalyst free synthesis” at the International conference on emerging trends in materials for energy & biological applications (ICEMBA-2020) conducted by Department of Science and Humanities, M. Kumarasamy College of engineering, Karur, on 7<sup>th</sup> March, 2020.

**Seminars, Conferences, Symposia and Workshop Attended:**

1. UGC sponsored National Symposium on recent trends in heterocyclic chemistry (NSRTHC-2004) Conducted by PG & Research Department of Chemistry, Jamal Mohamed College (Autonomous), Tiruchirappalli-620 020, Tamilnadu during 24<sup>th</sup> and 25<sup>th</sup> September 2004.
2. TANSCHÉ and UGC sponsored Three day workshop on “Curriculum Development and Evaluation” Organized by UGC – Academic Staff College, Bharathidasan University, Conducted at Jamal Mohamed College (Autonomous), Tiruchirappalli-620 020, during 2<sup>nd</sup> and 4<sup>th</sup> March 2006.
3. Attended UGC sponsored State Level Seminar on “Emerging Trends in Chemistry” held on March 9, 2006, at Jamal Mohamed College, Tiruchirappalli, Tamilnadu.
4. Attended a seminar on “Advanced Topics in chemistry” during March 13 and 14, 2007, at PG & Research Department of Chemistry, Jamal Mohamed College, Tiruchirappalli, Tamilnadu.
5. Attended a National Conference on Recent Trends in Chemistry-2007 Organized by PG & Research Department of Chemistry, Bishop Heber College, Tiruchirappalli-17, On 12<sup>th</sup> October 2007.
6. Attended a seminar on “Modern Techniques in Chemistry” during 5<sup>th</sup> and 6<sup>th</sup> March, 2008, at PG & Research Department of Chemistry, Jamal Mohamed College, Tiruchirappalli.
7. Attended a conference on emerging trends in chemical research (NCETCR-2008) conducted by Annamalai University on 17 & 18 October, 2008.
8. Attended a “workshop on synthetic and structural chemistry” conducted by Annamalai University on 21<sup>st</sup> and 22<sup>nd</sup> March, 2009.

9. Attended UGC sponsored State Level Seminar on “Frontier Studies in Chemistry” held on 9<sup>th</sup> and 10<sup>th</sup> February, 2010 at PG & Research Department of Chemistry, Jamal Mohamed College, Tiruchirappalli, Tamilnadu.
10. Participated NAAC sponsored National Seminar on “Quality Enhancement in Teaching, Research and Extension in Higher Education Institutions -Prospects and Problems” organized by IQAC, Jamal Mohamed College, Tiruchirappalli -20, during 15<sup>th</sup> and 16<sup>th</sup> April 2010.
11. Attended a “workshop on advances in molecular science(WAMS-2010) organized by PRIST University, Thanjavur, on 16<sup>th</sup> and 17<sup>th</sup> July 2010.
12. Participated UGC sponsored State Level Seminar on “Recent Trends in Chemical Research (RTCR-2010)” conducted by the PG & Research Department of Chemistry, Jamal Mohamed College, Tiruchirappalli -20 during 5<sup>th</sup> and 6<sup>th</sup> October 2010.
13. Attended the Seminar on “Creating Competitiveness to excel in higher education – a TQM approach” organized by IQAC, Jamal Mohamed College, Trichy, on 8th December 2010.
14. Attended the seminar on “Recent Developments in Chemistry” held on 29<sup>th</sup> August 2011 at School of Chemistry, Bharathidasan University, Tiruchirappalli-24.
15. Participated in the State Level Seminar on “New Vistas in Chemistry” (NVC-2012) organized by Department of Chemistry, Jamal Mohamed College, Trichy on the 4th and 5th January 2012.
16. Participated “National Conference on Current Trend in Chemistry Research” (NCTCR-2013) in Jamal Mohamed College, on 27<sup>th</sup> and 28<sup>th</sup> February 2013, Tiruchirappalli – 20
17. Participated “international conference on chemical & environmental research (ICCER-2014) conducted by the PG & Research Department of Chemistry, Jamal Mohamed College, Tiruchirappalli -20 during 11<sup>th</sup> and 12<sup>th</sup> March 2014.
18. Participated “state level workshop on structural bioinformatics and protein 3D structure visualization” conducted by Department of Biotechnology and Bioinformatics , Bishop Heber College, Tiruchirappalli -17, during 28th July 2014.
19. Participated “Current Scenario in material Chemistry (CSIMC-2015)” conducted by the PG & Research Department of Chemistry, Jamal Mohamed College, Tiruchirappalli -20 during 9<sup>th</sup> and 10<sup>th</sup> February 2015.
20. Participated “international conference on chemical & environmental research (ICCER-2015) conducted by the PG & Research Department of Chemistry, Jamal Mohamed College, Tiruchirappalli -20 on 17th March 2015.
21. Participated “a one day inter collegiate workshop on E- content development for teaching – learning’ jointly organized by the internal quality assurance cell and JMC alumni association Singapore chapter at Jamal Mohamed College, Tiruchirappalli -20 on 22<sup>nd</sup> December 2015.

22. Participated “international conference International conference on “Chemical and Environmental Research ” (ICCER-2017) conducted by the PG & Research Department of Chemistry, Jamal Mohamed College, Tiruchirappalli -20 on 7<sup>th</sup> January 2017.
22. Participated “National conference on “Recent advances in chemistry Research ” (NCRACRIA-17) conducted by the PG & Research Department of Chemistry, Joseph’s College,, Tiruchirappalli -2 on 19<sup>th</sup> January 2017.
23. Participated “National Conference on recent developments in Chemistry” (NCRDC-2018) in Jamal Mohamed College, Tiruchirappalli – 20, on 28<sup>th</sup> January 2018.
24. Participated one day seminar on “The MHRD Draft proposal for higher education commission of India (Repeal of UGC Act,1956) Act 2018” conducted by Aided College Teachers’ Association (ACTA) in Jamal Mohamed College, Tiruchirappalli – 20, on 14<sup>th</sup> July 2018.
25. Participated one day “workshop on the role of teacher in the present scenario” organized by internal quality assurance cell, Jamal Mohamed College, Tiruchirappalli – 20, on 7<sup>th</sup> January 2017.
26. Attended the Seminar on “Writing winnable project proposals” organized by IQAC, Jamal Mohamed College, Trichy, on 23<sup>rd</sup> June 2018.
27. Participated “4<sup>th</sup> international conference International conference on “Chemical and Environmental Research ” (ICCER-2018) conducted by the PG & Research Department of Chemistry, Jamal Mohamed College, Tiruchirappalli -20 on 19<sup>th</sup> December 2018.
28. Participated the staff enrichment programme on ownership culture” organized by IQAC, Jamal Mohamed College, Trichy, on 14<sup>th</sup> June 2019.
29. Participated UGC CPE Sponsored Two-Day Workshop on “Professional Development for Academic Leadership in Curriculum Design” organized by Curriculum Development Cell, Jamal Mohamed College, Trichy, on 18<sup>th</sup> and 19<sup>th</sup> June 2019.
30. Participated Orientation programme on preparing course outcomes in the curriculum design organized by Curriculum Development Cell, Jamal Mohamed College, Trichy, on 3<sup>rd</sup> January 2020.
31. Participated “5<sup>th</sup> international conference International conference on “Chemical and Environmental Research ” (ICCER-2020) conducted by the PG & Research Department of Chemistry, Jamal Mohamed College, Tiruchirappalli -20 on 8<sup>th</sup> January 2020.
32. Participated “Orientation programme on MOOC’s and e-Learning” conducted by the PG & Research Department of Library, Jamal Mohamed College, Tiruchirappalli -20 on 29<sup>th</sup> January 2020.
33. Participated “international conference on emerging trends in materials for energy & biological applications(ICEMBA-2020) conducted by Department of Science and Humanities, M. Kumarasamy College of engineering, Karur, on 7<sup>th</sup> March, 2020.

## **Membership in Academic Bodies**

1. Member, Board of Studies of Chemistry Department, Jamal Mohamed College (Autonomous), Tiruchirappalli
2. Member, Moral Education, Jamal Mohamed College (Autonomous), Tiruchirappalli
3. Member, gender studies, Jamal Mohamed College (Autonomous), Tiruchirappalli
4. Examiner, UG Valuation Board, Bharathidasan University, Tiruchirappalli
5. Examiner and question paper scrutiny board member- UG & PG Board, Periyar University, Salem,
6. Examiner, UG Valuation Board, Many Autonomous Colleges.

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