



### Work experience in other Institutions

S.No	Positions held	Name of the Institution	From	To	Pay Scale
1	Lecturer	Fatima College, Madurai	16.06.2003	21.06.2004	UGC pay (FDP Vacancy)
2	Lecturer	Lady Doak College, Madurai	31.07.2000	27.04.2001	UGC pay (FDP Vacancy)
3	Lecturer	APC College for Women, Thoothukudi	18.12.1995	28.07.2000	Consolidated pay

### Academic/ Administrative Positions (held/currently holding)

Positions (held/currently holding)	From ---To
Dean of Women students	June 2020 to Till date
Warden for Women's Hostel	June 2016 to April 2022
PG Project Coordinator	June 2019 to Till date
Member of Religious Life and work Committee	June 2015 to Till date
Associate Warden for Women's Hostel	June 2015- May 2016
PG Association President	June 2018- May 2019
UG Association President	June 2014- May 2015

### Membership in Professional body

- Member of Board of Studies in Chemistry, Pope's College, Sawyerpuram, Thoothukudi district from 01.01.2020 to 01.01.2022
- Member in All India Association for Christian Higher Education (**AIACHE**), New Delhi

## Articles Published

1. **M.Vathanaruba**, S. Johnson Raja, R. Princess, P.Tharmaraj, "Pharmacological and Molecular docking studies of new copper (II) complexes of N<sup>2</sup>-Phenyl-N<sup>4</sup>,N<sup>6</sup>-di(thiazol-2-yl)-1,3,5-triazine-2,4,6-triamine," *J. Mol. Struc.*,1253(2022)132275, <https://doi.org/10.1016/j.molstruc.2021.132275>
2. **M.Vathanaruba**, Muthukumar, Tharmaraj, "NLO and Fluorescent Behavior of a Novel Schiff Base Derived from 2,4-Diamino-6-phenyl-1,3,5-triazine and 3-(4-methoxyphenyl)-1-(thiophen-2-yl)prop-2-en-1-one and its Metal Complexes , *Der Pharma Chemica*, 10(1)( 2018) 54-59., ISSN 0975-413X
3. **M. Vathanaruba**, P.Tharmaraj, C.D.Sheela, "Studies on a novel S-Triazine based ONO donor heterocyclic ligand and its transition metal(II) complexes" *Int. J. of Advanced Research in Chemical Science*,1(2014) 21-27

## Paper published in Conference Proceedings

1. **M.Vathanaruba**, P.Tharmaraj , "New polydentate N-donor ligand from heterocyclic aldehyde and 2, 4-bis(hydrazinyl)-1,3,5-triazine and its transition metal (II) complexes" *Roots Int. J. Multidisciplinary Researches*,4(1),(2017)42-46 ISSN 2349-8684
2. **M.Vathanaruba**, M. Rajesh, "Empowering women in environment protection", *Roots Int. J. Multidisciplinary Researches*, 2017 ISSN 2349-8684
3. **M.Vathanaruba**, P.Tharmaraj, Studies on Schiff base derived from 2-thiophene carboxaldehyde and 2-(4-chloro phenyl amino)- 4,6-dihydrazinyl-1,3,5-triazine and its transition metal(II) complexes *Int. J. Multidisciplinary Researches* 1(2), (2015, ) 26-31 ISSN 2349-8684.

## UGC Sponsored Projects

Title of the Project	Name of the funding agency	Duration	Amount Received(Rs.)
<b>Minor Research Project</b> Novel photoactive and electroactive compounds of triazine based ligands and metal complexes for DSSC and NLO applications.	UGC	2014-2016	4,10,500/-

## **Career Advancement Courses**

- Participated Two-Week Refresher Course On “Managing Online Classes & Co-creating MOOCS 15.0, organized by Teaching Learning Centre, Ramanujan College, University of Delhi from 06 - 20 June, 2022
- Participated in the Refresher course in Chemistry organised by HRDC, Pondichery University, Pondichery from 15 July 2021 to 28 July 2021.
- Completed NPTEL online certification course in ‘Metals in Biology’ , 8 weeks duration from July to Sep 2019 with Elite Gold Grade.
- Participated in the Refresher course in Environmental Studies(MD) organised by HRDC, Madurai Kamaraj University, Madurai from 06.12.2019 to 19.12.2019.
- Participated in the Refresher course in Chemistry organised by HRDC, Bharathiyar University, Coimbatore from 15.07.2016 to 04.08.2016.
- Participated in the Refresher course in Chemistry organised by HRDC, Madurai Kamaraj University, Madurai from 12.07.2012-01.08.2012.
- Participated in the Orientation Programme Organised by HRDC, Madurai Kamaraj University, Madurai 12.05.2011- 08.06.2011.

## **Paper presented in Conferences/ seminars**

1. **M.Vathanaruba**, C.D.Sheela, Muthulakshmi, “Physicochemical analysis of soil samples to evaluate soil fertility” at International Eco-conference -2019 Greening the globe for sustainable living” organised by CSI synod from 1-4 Aug 2019.
2. **M.Vathanaruba**, A. Ansalin Gnana Sowndarya, “Bioactive fluorescent transition metal (II) complexes of tridentate s-triazine Schiff base ligand: Synthesis, structure and bioactivity, International conference on Frontier Areas in Chemistry, The American College, Madurai, 17-19 July 2018.
3. **M.Vathanaruba**, A. Ansalin Gnana Sowndarya, R. Anandha Raj, “Fluorescent transition metal(II) complexes of tridentate s-triazine ligand- synthesis and characterization” at the International conference on modern trends in Chemistry, Vivekananda College, Trivedagam on 23.02.2018.
4. **M.Vathanaruba**, A. Ansalin Gnana Sowndarya, P. Tharmaraj, J. Jone Celestina “A novel NLO active s-triazine based ligand and its transition metal(II) complexes” at the International conference on Frontiers in Advanced Materials and their Applications, Bishop Heber College, Trichy on 09.01.2018.

5. **M.Vathanaruba**\*, M. Rajesh, "Empowering Women in Environment Protection". International conference on "Women and Power- Challenges and Oppourtunities", , The American College, Madurai on 7<sup>th</sup> Jan 2017.
6. **M. Vathanaruba**, P. Muthukumar, M. Krishnaveni, P. Tharmaraj, Studies on Cu(II), Co(II), Zn(II) complexes of novel Schiff base derived from 2,4-diamino-6-phenyl-1,3,5-triazine and (E)-3(4-methoxyphenyl)-1(thiophen-2-yl) prop-2-en-1-one", International conference Frontier Areas in Chemical Technologies, Alagappa University, Karaikudi, 21-23March 2016.
7. **M.Vathanaruba**\*, P.Tharmaraj, "Synthesis and characterization on bis(hydrazinyl)s-triazine based ligand and its metal(II) complexes"International conference on Recent Advances in Materials Research and its Applications, , St. Xavier's college, Palayamkottai on 16 Dec 2015.
8. **M.Vathanaruba**\*, P.Tharmaraj, "Spectral and antimicrobial studies on transition metal complexes of novel s- triazine based ligands" International conference on Chemical and Environmental Research, 17<sup>th</sup> Dec 2015, Jamal Mohammed College, Trichy.
9. **M.Vathanaruba**\*, P.Tharmaraj, C.D.Sheela, "Studies on Schiff base derived from 2-thiophene carboxaldehyde and 2-(4-chlorophenyl amino)-4,6-dihydrazinyl-1,3,5-triazine and its transition metal(II) complexes", UGC sponsored National conference on Frontier Areas in Chemistry, 26 & 27th Feb 2015, Thiagarajar College, Madurai.
10. **M.Vathanaruba**, P.Tharmaraj, C.D.Sheela, K.Ramki, "Studies on transition metal (II) complexes with 2,4-bis (2-hydroxy phenylmethylenhydrazinyl)6-chloro-1,3,5-triazine. DST, UGC sponsored national seminar on Emerging Trends in Chemistry, 18, 19 Sep 2014, CPA College, Bodinayakanur.
11. **M. Vathanaruba**, P.Tharmaraj, C.D.Sheela, "Studies on new copper (II) complexes of N<sup>2</sup>-phenyl-N<sup>4</sup>,N<sup>6</sup>-di(thiazol-2-yl)-1,3,5-triazine-2,4,6-triamine", International Conference on Emerging Frontiers and Challenges in Chemistry, 17&18<sup>th</sup>Feb 2014, All Saints College, Thiruvananthapuram, Kerela.
12. **M. Vathanaruba**, P.Tharmaraj, C.D.Sheela, "Synthesis and antimicrobial studies on new metal(II) complexes of 4,6-bis(antipyridin-4-ylamino) -pheny 1-2-amino-1,3,5-triazine, UGC/DST/DRDO sponsored National symposium on Frontier areas in Chemistry-II ,27 &28, Jan 2014, The American college, Madurai.

13. P. Tharmaraj, **M.Vathanaruba**, and P.Suhasini “Synthesis and spectral studies of cyclotriphosphazene based Schiff base and pyrazolylmultidentate ligands and their metal complexes”, National symposium on Frontier areas in Chemistry 11&12<sup>th</sup> Jan2008, The American college, Madurai.

#### **Guest Speaker/ Resource Person/Editorial Board**

- Resource person in American College Chemistry Webinar Series-II, presented a talk titled “Metals in Biology”, The American College, Madurai, 22 May 2020.
- Member in Editorial Board for abstracts in the international Conference on “Women and Power- challenges and opportunities” organized by the American College, Madurai.
- Resource person for the Young student scientist Programme

#### **Programme Organised**

- Convener for the Intercollegiate Student competition, “Chem glaze14” organized by the Department of Chemistry on 03.04.2015.
- Convener for the state level Webinar on “Lead the Life in style” organized by the women’s Forum on 01.02.2021.
- Organizing secretary for the International Webinar on “The power to change the world” organized by the women’s Forum on 08.03.2021
- Organizing secretary for the International webinar on “Promoting IKIGAITO, Arise and Shine” organized by the Ladies club of The American College on 29 July 2021.
- Convener for the International women’s day celebrations “FemFiesta 2022” on 7-8 March 2022.