

## **Faculty Profile**



**Name** : Dr. A. MARY IMELDA JAYASEELI

**Designation** : Associate Professor and Head

**Department** : CHEMISTRY

**Date of Birth** : 12.07.1964

**Date of Appointment** : 01.07.1988

### **Academic**

S.no	Degree	University / Institution	Year of Completion
1	B.Sc.	Holy Cross College(Autonomous), Tiruchirapalli-2	1984
2	M.Sc.	St. Joseph's College (Autonomous), Tiruchirapalli-2	1987
3	M.Phil	St. Joseph's College (Autonomous), Tiruchirapalli-2	1988
4	B.Ed.	Annamalai University, Chidambaram	1989
5	PGDCA	Jayaraj Annapackiam College For Women, Periyakulam	1999
6	Ph.D	Madurai Kamaraj University, Madurai	2009

**Academic Affiliation:**

**Total Experience:** 33years (1<sup>st</sup> July, 1988 to till date)

**UG** - 33 years

**PG** - 13Years

**M.Phil** - 7 years

**Ph.D** - Started guiding Ph.D scholar from 2016 onwards

**Area of Specialization/Interest:** Schiff Bases - Kinetic studies of catalyzed reactions

**Professional Affiliation:**

2011-12	IQAC member
2012-13, 2013-14, 2014-15	NSS Programme Officer
2015-16	Member of Library committee
2015 - 2018	Dean for Students
2015- 2018	Member in Anti Ragging cell
2017-18 on wards	Head of the Department of Chemistry
2017-18 on wards	Academic council member, Planning and Evaluation committee member, Examination and Awards committee member, Staff council member, Chairman of BoS of Chemistry
2018-19	Women's Cell Coordinator
2019 -2020	Chief Editor of College Magazine, Consultancy Cell Coordinatore

**Member in Other Bodies:**

1. Question setter for other colleges, External examiner for practical exam and theory exam for other colleges, External examiner for M.Phil viva voce
2. Served as subject expert for Board of Studies of Chemistry in HKRH College, Uthamapalyam

**Research Details:**

**Major Project:**

**UGC sponsored interdisciplinary Major Research Project is sanctioned: Completed (2014-2017).**

**Guidship Received from Mother Teresa Women's University, Kodaikanal in the Year 2014**

<i>Name of the Scholars</i>	<i>Register No. &amp; Date</i>	<i>Title</i>	<i>Status</i>
J.Jeevitha Rani	PHDCHE16F483 08.07.2016	Interaction of Cobalt and Nickel - Salphen Complexes with Biomolecules	pursuing

*Number of projects completed:*

<i>M.Phil</i>	<b>6</b>
<i>M.Sc.</i>	<b>11</b>
<i>B.Sc.</i>	<b>3</b>

*Research Publications:*

**International Publications (Last Five Years):**

1. P. Helen Chandra, S.M. Saroja Theerdus Kalavathy and A. Mary Imelda Jayaseeli, Mechanism of Sulfoxidation in Artificial Cell System, *IEEE Journal*, 978-1-4799-8011-6/14-2014, (2014).
2. P. Helen Chandra, S.M. Saroja Theerdus Kalavathy, A. Mary Imelda Jayaseeli, and J. Philomenal Karoline, Mechanism of FUSSY ARMS on Chemical reactions, *InnoVATIONS in Bio inspired computing and application*, ISSN No. 2194-5357, 43-53 (2015).
3. A. Mary Imelda Jayaseeli, Arumugam Ramdass and Seenivasan Rajagopal, Selective H<sub>2</sub>O<sub>2</sub> oxidation of Organic Sulfides to Sulfoxides catalysed by Cobalt (III) - Salen ion, *Polyhedron*, 100, 59-66 (2015).
4. J. Philomenal Karoline, P. Helen Chandra, S.M. Saroja Theerdus Kalavathy, A. Mary Imelda Jayaseeli, Simulation of FUZZY ACSH on membranes with Michaelis- Menten Kinetics, International Springer publication ISSN No. 1865-0929, 142-154, (2016).
5. J. Jeevitha Rani, A.Mary Imelda Jayaseeli, Green Synthesis characterization and biological studies of Thiazole derived Schiff Base Complexes, International Journal Of Advance Research In Science And Engineering, ISSN No. 2319-8354 (2017)
6. J. Philomenal Karoline, P. Helen Chandra, S.M. Saroja Theerdus Kalavathy, A. Mary Imelda Jayaseeli Model Based Simulation of Michaelis-Menten Kinetic Reactions by DPO Graph Transformation. Journal of Applied Science an Computations (JASC), Volume 5, Issue 7, July 2018, ISSN No. 0076-5131, DOI.16.10089/JASC, (ISO: International Organization for Standardization 7021-2008), (2017)
7. J. Philomenal Karoline, P. Helen Chandra, S.M. Saroja Theerdus Kalavathy, A. Mary Imelda Jayaseeli, Stoichio simulation of FACSP from graph transformations to differential Equations, International Conference on Mathematics and Computing, 387-398 (2018)

**National Publication (Last Five Years):**

1. Deepalakshmi, A. Mary Imelda Jayaseeli, Green Synthesis of Zinc Oxide Nanoparticles and their Biological Investigation, JAC JOSHAM Journal Vol. 2, June (2015) ISSN No.2347-9868, pp 1-11
2. P. Helen Chandra, S.M. Saroja Theerdus Kalavathy, A. Mary Imelda Jayaseeli, and J. Philomenal Karoline, FUZZY ACS with biological catalysts on membranes in chemical reactions *Journal of Network and Innovative Computing*, (2016), ISSN No. 2160-2174, 4, 143-151

**Seminars/Conferences/Workshops Participated (Last Five Years):**

S. No	Theme of seminar / Workshop / Conference	Date & Place
1.	IAS sponsored Lecture-Workshop on Recent Trends in Chemistry (RTC-5)	15 <sup>th</sup> & 16 <sup>th</sup> December 2011 Jayaraj Annapackiam College for Women, (Autonomous), Periyakulam.
2.	UGC sponsored National Seminar on Recent Trends in Chemistry	15 <sup>th</sup> & 16 <sup>th</sup> March 2012, H.K.R.H. College, Uthamapalayam
3.	National Symposium on Frontier Areas in Chemistry-II	28 <sup>th</sup> January 2014, The American College, Madurai,
4.	Workshop organized by National Testing Service-India on Item Analysis and Test Designing	10 <sup>th</sup> - 12 <sup>th</sup> February, 2014, Thiyagarajar College (Autonomous), Madurai
5.	UGC sponsored Workshop on E-Content Development for effective teaching and learning	11 <sup>th</sup> - 13 <sup>th</sup> September, 2014, Department of Physics and IQAC of JAC
6.	Asian Conference on Membrane Computing	19 <sup>th</sup> September, 2014. Department of Mathematics, School of Computer Science and Technology, Karunya University, Coimbatore
7.	Ranking the Research Publication: Citation Analysis, Citation Databases and Anti-Plagiarism	Jayaraj Annapackiam College for Women (Autonomous), Periyakulam 27 <sup>th</sup> and 28 <sup>th</sup> January, 2016.
8.	One day National Symposium on “Recent Developments in Chemistry”	Department of Physical Chemistry, School of Chemistry, Madurai Kamaraj University, Madurai on 4 <sup>th</sup> June, 2016.

9.	TN convention on National Policy on Education-2016, organized by Jesuit Hr. Edn. Commission, TN, AIACHE, New Delhi and Xavier Board of Hr. Edn. TN Region	St. Joseph's College on 12 <sup>th</sup> August 2016.
10	International Workshop in Collaboration with AIMST University	Jayaraj Annapackiam College for Women (Autonomous), Periyakulam 17-19, Jan., 2018
11	UGC sponsored National Seminar on Recent Trends in Chemistry	Jayaraj Annapackiam College for Women (Autonomous), Periyakulam 23.01.2018
12	Workshop on Women in Science and Research	Jayaraj Annapackiam College for Women (Autonomous), Periyakulam 19.02.2018 & 20.02.2018
13	TNSCST Sponsored International Conference on Emerging Trends in Mathematical Sciences and Technology	Research Centre and PG Department of Mathematics, JAC, Periyakulam 20.12.2018 & 21.12.2018
14	National seminar on Recent Trends in Chemistry (RTC-10)	Jayaraj Annapackiam College for Women (Autonomous), Periyakulam 10.12.2019

**Conference Presentations (Last Five Years):**

Year	Title of the Paper	Seminar	Place & Date
2011-2012	Synthesis, Characterisation and biological activities of metal salen and metal salph complexes	UGC sponsored National seminar on Recent Trends in Chemistry	16 <sup>th</sup> March, 2012 Hajee Karutha Rowther Howdia College, Uthamapalayam
2013-2014	Synthesis, Characterization, Biological activities and Binding studies of Thiozole derived Schiff base complexes	National Symposium on Frontier Areas in Chemistry-II	28 <sup>th</sup> January 2014, The American College, Madurai,

	Mechanism of Sulfoxidation in Artificial cell system	Asian Conference on Membrane Computing (International)	19 <sup>th</sup> September, 2014.
2014-2015			Department of Mathamatics, School of Computer Science and Technology , Karunya University, Coimbatore
	Green Synthesis, Spectral Analysis and Biological Significance of Some Schiff Base Complexes	UGC sponsored National seminar in Recent Trends in Chemistry	8 <sup>th</sup> -9 <sup>th</sup> , January, 2015, Jayaraj Annapackiam College for Women, Periyakulam
2015-2016	Microwave Synthesis of Schiff Bases Derived from Cinnamaldehyde and their Biological Significance	UGC sponsored International Conference on Recent Advances in Materials and Chemical Sciences	Gandhigram Rural Institute (DU), Dindigul 15 <sup>th</sup> Dec.2015
	Biological Investigations of ZnO nano particles synthesized from plant extracts	National	21 <sup>st</sup> - 22 <sup>nd</sup> December, 2015, School of Chemistry, Madurai Kamaraj University, Madurai
2016-2017	Accountability in Catholic Higher Education: Issues and Challenges	Christ University, Bengaluru from 10 <sup>th</sup> -12 <sup>th</sup> May, 2016	Three day conference on “Catholic Higher Education In India: Rethinking Purpose and Context
	Binding studies of some Schiff bases	Saiva Bhanu Kshatriya College, Aruppukottai on 30 <sup>th</sup> September 2016.	ICMR, DBT, INSA sponsored International Conference on Cancer Biology: Drug Discovery and Novel Therapeutics
	Synthesis and Characterisation of Copper Schiff Base Derived from Furfuraldehyde	St.Anne’s Auditorium, JAC. 11 <sup>th</sup> and 12 <sup>th</sup> Jan.2017	UGC sponsored National Seminar on Recent Trends in Chemistry (RTC-7),

			ISBN No: 978-81-922846-4-4
2019-2020	Ni(II) Schiff Bases: A Short Review of their Antimicrobial Activities	St.Anne's Auditorium, JAC. 10 <sup>th</sup> Dec. 2019	National Seminar on Recent Trends in Chemistry (RTC-10)
	Photodegradation Efficiency of Schiff Bases Complexes	St.Anne's Auditorium, JAC. 10 <sup>th</sup> Dec. 2019	National Seminar on Recent Trends in Chemistry (RTC-10)
	Photodegradation Studies Using Fe(II) and Ni(II) Naphthylene Schiff Bases	St.Anne's Auditorium, JAC. 10 <sup>th</sup> Dec. 2019	National Seminar on Recent Trends in Chemistry (RTC-10)

*Awards: Kalvi Sudar award –Thenee Kalai Ilakiya Mayam,Theni*

***Seminars/Conferences organized(last five years)***

S. No.	Title of the Programme	Institution/Venue	Date
1.	International Workshop on Statistics using Excel and SPSS in Collaboration with AIMST University	JAC	17-19, Jan., 2018
2	Indian Academies of Science sponsored National Seminar on Recent Trends in Chemistry (RTC-9)	JAC	28-29, Sep., 2018
3	Inservice Training Programme for Science Teachers sponsored by TNSCST	JAC	18-22, Feb., 2019

***Served as Research Person:***

1. Served as judge for competition “Inspire Science Exhibition” organized at Nadar Saraswathi Hr.Sec.School, organized by CEO, Theni, Sponsored by TNSTC
2. Trained the students in a workshop organized by Entrepreneurship cell of JAC for preparation of Cottage Industrial Goods on 12. 08. 2014
3. Delivered a lecture on the topic ‘ Development of Chemical Sensors’ in a association meeting arranged by Department of Physics, JAC, on 28.08.2014

4. Delivered a lecture on the topic ' Quantum Chemistry I & II' at Department of Chemistry, Mother Teresa University on 09.09.2014
5. Delivered Inaugural address for the one day programme in the Department of Commerce with computer applications
6. Motivational Inaugural address in the Inter-Collegiate Meet SPECTRA' 2K19 on 15.02.2019, at Mary Matha College of Arts and Science, Periyakulam.

**Contact Details:**

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