

JAMAL MOHAMED COLLEGE (Autonomous)
Affiliated to Bharathidasan University
Tiruchirappalli - 620 020.



RESUME

DEPARTMENT OF CHEMISTRY

- 1. Name** : Dr. A. ASRAR AHAMED
- 2. Designation** : Assistant Professor
- 3. Qualification** : M.Sc., M.Phil., PGDCA., Ph.D
- 4. Date of birth** : 10.08.1987
- 5. Address:**
- Office** : P.G & Research Department of Chemistry,
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6. Educational Qualifications:

S.No.	Examination Passed	University / College	Year of Passing
1.	B.Sc. (Chemistry)	Jamal Mohamed College, (Bharathidasan University), Trichy.	2007
2.	M.Sc. (Chemistry)	Jamal Mohamed College, (Bharathidasan University), Trichy.	2009
3.	M.Phil. (Chemistry)	Jamal Mohamed College, (Bharathidasan University), Trichy.	2010
4.	PGDCA	Bharathiar University, Coimbatore.	2012
5.	Ph.D (Chemistry)	Bharathidasan University, Trichy.	2018

7. Experience : **Undergraduate:** 12 Years 9 Months
 Postgraduate : 12 Years 9 Months
 M.Phil : 03 Years

8. Areas of Specialization : Organic Chemistry, Insilico Studies and Domestic Product Preparations

9. Languages known : Tamil, English & Urdu

10. Subjects Taught:

Under Graduate : 1. Inorganic Chemistry
 2. Organic Chemistry
 3. Applied Chemistry
 4. Computer applications in chemistry
 5. Hands on Training for Domestic Product Preparation

Postgraduate : 1. Physical Chemistry
 2. Pharmaceutical Chemistry
 3. Organic Spectroscopy

11. Details of Publications:

1.	Characterization of bioactive compound isolated from Micromonospora marina KPMS1 and its activity against emerging antibiotics resistant strains of Klebsiella pneumoniae HAUT17 and Proteus vulgaris HAUT114	International Journal of Biological Macromolecules	Volume 250, 1 October 2023, 125954 https://doi.org/10.1016/j.ijbiomac.2023.125954 Impact Factor : 8.2
2.	Synthesis, spectral characterization, SC-XRD, Hirshfeld, DFT and in silico antidiabetic activity of novel imine (E)-N-(2-nitro benzylidene) naphthalene-1-amine, a newly synthesized imine: A theoretical and experimental evaluation	Journal of Molecular Structure	Volume 1292, 15 November 2023, 136084 https://doi.org/10.1016/j.molstruc.2023.136084 Impact Factor : 3.8
3.	Studies on potentiodynamic polarization of Aluminium 2014/Albite metal matrix composites	European Chemical Bulletin	12(8), 1204-1211, 2023
4.	Ameliorating Effect of Saponin from Phoenix pusilla root on Streptozotocin Induced Diabetic Animal Model	European Chemical Bulletin	12(8), 1144-1166, 2023
5.	Chemically synthesized Schiff base Conjugated Piperonal as Novel Antioxidants and Scavengers of Free Radicals	Research Journal of Pharmacy and Technology (RJPT)	15 (11), 4987-4993, 2022.

6.	Correlation Analysis of Heavy Metals in Ground Water Quality in and Around Thamirabharani River at Tirunelveli District, Tamilnadu, India	Indian Hydrobiology 0971-6548	20(1), 73-90, 2021
7.	Proximity Water Quality Assessment of River Thamirabarani at Tirunelveli District, Tamilnadu, India	Tathapi 2320-0693	June 2020
8.	Spectral Characterization and In-Vitro Anti-Inflammatory potential of An EDP Schiff Base	Research Journal of Pharmaceutical, Biological and Chemical Sciences 0975-8585	10(6),99-104, 2019.
9.	Synthesis, Characterization and Structural Diversity in Aminoguanidium salts of Isoelectronic 2-Picolinic acid N-oxide and 3- hydroxypicolinic acid	International Journal of Pharmacy and Biological Sciences 2230-7605	April-2019
10.	PM _{2.5} Bound Carbon Fractions over Tiruchirappalli city (India) and influence of Meteorological factors	International Journal of Pharmacy and Biological Sciences 2230-7605	April -2019
11.	Synthesis, Characterization and Structural Diversity in Aminoguanidium salts of Isoelectronic 2-Picolinic acid N-oxide and 3- hydroxypicolinic acid	International Journal of Pharmacy and Biological Sciences 2230-7605	April -2019
12.	Synthesis and evaluation of piperonal chalcone and its derivatives as anti- diabetic agents	European Journal of Biomedical And Pharmaceutical Sciences 2349 - 8870	Volume 5, Issue 2, 514-518, 2018
13.	Synthesis and biological evaluation of some novel chalcone derivatives as anti-inflammatory agents	World Journal of Pharmaceutical Research 2456 - 9119	Volume 7, Issue 2, 947-955, 2018
14.	Synthesis and biological evaluation of some novel heterocyclic Chalcone Derivatives	Asian Journal of Pharmacy and Pharmacology 2455-2674	3(6): 247-250, 2017

15.	One-pot three component (LaCl ₃ ·7H ₂ O) catalysed biginelli reaction for the synthesis of 1,2,3,4-tetrahydropyrimidine	World Scientific News(WSN)	35 , 87-99, 2016
16.	Impact of Heavy Metals on Groundwater of Cuddalore District, Tamil Nadu	International Journal of Nano Corrosion Science and Engineering (IJNCSE)	2(5), 236-244, 2015
17.	Physico Chemical Characteriscits of Groundwater of Cuddalore District, Tamilnadu, South India	Journal of Chemistry and Chemical Sciences	Vol.5(10), 542-549, October 2015
18.	One-pot Synthesis of 3, 4- Tetra hydropyrimidine-5 Carboxylate using Lanthanum (III) Chloride (LaCl ₃ ·7H ₂ O)as a catalyst	World Journal of Pharmaceutical Research	4(7), 1115-1125, 2015 Impact Factor: 5.990.
19.	Synthesis, Characterization and antimicrobial activity of Novel Mannichbase	Asian Journal of Biochemical and Pharmaceutical Research	4(4), 218-223, 2014 Impact Factor: 0.456
20.	Synthesis, Characterization and antimicrobial activity of New Mannich Base	Der Chemica Sinica, Pelagia research library	5(1), 18-21, 2014
21.	Synthesis and Characterization of N- Mannich Bases of Carbazoles	Coromandal Journal of Science	1(1), 52-54, December 2012.

12. Details of Patents Filed / Sanctioned by the Faculty Members:

S. No.	Title for which Patent is filed	Date of Filing and File Number	Date of Sanction (If Sanctioned)
1.	Identification of Anticancer Potential Compound from Polyherbal Formulation and their Molecular Docking Analysis	10-02-2023 (202341008639)	17-02-2023

13. Major/ Minor/Other Research Projects:

S.No.	Type of Research Project (Minor/Major)	Project Title	Name of the Funding Agency	Amount Sanctioned	Duration of the Project
1	Student Project Scheme – 2022	Evaluation of Novel Piperonal Heterocycles Towards Anti-Diabetic Drug Activity and Detection on the Anti-Viral Solution to Covid-19	TNSCST	7,500	6 Months Completed
2	Seed Money project (JMC) - 2022	Synthesis and evaluation of piperonal heterocycles towards anti diabetic and viral Covid -19 using insilico pharmacological studies	Jamal Innovation and Incubation Centre Research Project Scheme (JIIC)	10,000	1 year Completed
3.	Student Project Scheme – 2023	Spatio-Seasonal Variation with influence of meteorological factors and associated with human health risks of ambient air PM 2.5 ion concentration in Trichy City, Tamilnadu	TNSCST	7,500	6 Months Ongoing

14. Details of Chairing as Resource Person:

01. Acted as Resource person in **One Day National Conference on "Emerging Innovations in Chemistry (NCEIC-2K23)"** on **"Moder Drug Design"** on **11-09-2023** organized by organized by the Department of Chemistry, Paavendhar College of Arts and Science, Thalaivasal, Salem, Tamil Nadu
02. Acted as Resource person in **3rd International Conference on Research Medology in Medical and Nanobiotechnology (RMMN-2K23)** on **"In-Silico Studies in Current Scenario"** on **31-03-2023** organized by organized by the PG and Research Department of Microbiology, Idhaya College for Women, Kumbakonam, Tamil Nadu
03. Acted as Resource person in **Dr. Sr. Y. Yesu Thangam Endowment Lecture Series on "Drug Designing and Computational Studies"** on **03-03-2023** organized by organized by the PG and Research Department of Chemistry, Jayaraj Annapackiam College for Women (Autonomous), Periyakulam, Tamil Nadu
04. Acted as Resource person in **International Conference on Materials and Biological Researches (ICMBR-2023)** on **"Role of Cheminformatics in Drug Design"** on **02-03-2023** organized by organized by the Department of Chemistry, Dr.R.K.S.College of Arts and Science, Kallakurichi, Tamil Nadu
05. Acted as Resource person in **Seminar on "Green Energy for a Green Revolution"** on **11-02-2023** organized by Organized by the Department of Science and Humanities, Narasu's Sarathy Institute of Technology, Poosaripatty, Kadayampatti, Salem, Tamil Nadu
06. Acted as Resource person in **ICSSR funded One day Seminar for Farmers on "Regeneration of Agricultural Soil Using Organic Products"** on **10-02-2023** organized by Organized by the Department of Science and Humanities, Narasu's Sarathy Institute of Technology, Poosaripatty, Kadayampatti, Salem, Tamil Nadu
07. Acted as Chair person for Poster Presentation in **2nd One Day National Conference on "Recent Advances in Chemistry (RAC '22)"** on **07-11-2022**, organized by Department of Chemistry, Sona College of Arts and Science, Salem, Tamil Nadu
08. Acted as Resource person in **One day State Level Seminar on "Success Through Chemistry"** on **21-10-2022** organized by Department of Chemistry, Meenaakshi Ramasamy Arts and Science College, Thathanur, Udayarpalayam, Ariyalur (Dt), Tamil Nadu
09. Acted as **Judge** in the **"Exhibition on Microbes and us"** on **27-09-2022** organize by PG and Research Department of Microbiology, Jamal Mohamed College (Autonomous), Tiruchirappalli.
10. Acted as Resource person in the **"Young Scientist Programme (YSSP - 2022)"** on **18-05-2022** catalysed and supported by Tamil Nadu State Council for Science and Technology (TNSCST) at Jamal Mohamed College (Autonomous), Tiruchirappalli
11. Acted as **Judge** in the **"Inter Collegiate Competition Chem fest 2022"** on **04-03-2022** organize by Department of Chemistry, A.D.M. College for women, Nagapattinam.
12. Acted as Resource person in Awareness Programme to deliver **"Health and Hygine"** on **17-12-2021** at Union Primary School, Gandhi Nagar, Nagamangalam Panchayath (Adopted Village), Trichy, organized by PG and Research Department of Social Work in Collaboration with UBA Cell, JMC and Nal Ullangal Trust, Trichy.
10. Acted as Resource person in special lecture on **"Lab to Land"** on **29-11-2021** at Department of Chemistry, Sri Vijaya Vidyalaya College of Arts and Science, Nallampalli, Dharmapuri.
11. Acted as Resource person to deliver a training for Three Weeks Workshops on **"Beat the Competitors in Gate / Net and Competitive Exams WBCE-2020"** on **15-07-2020 to 07-08-2020** at Department of Chemistry, School of Advanced Sciences, Kalasalingam

Academy of Research and Education (Deemed to be University), Krishnankoil, Tamil Nadu.

12. Acted as Resource person to deliver a Special Lecture on **“Chemistry for Sustainable Environment”** on **14-03-2020** at Department of Chemistry, K. S. Rangasamy College of Arts and Science (Autonomous), Tiruchangode, Tamil Nadu.
13. Acted as Resource person to deliver a Special Lecture on **“Recent Developments in Chemistry”** on **04-10-2018** at Department of Chemistry, Bharathi Women’s Arts and Science College, Thatchur, Kallakurchi, Tamil Nadu.
14. Acted as Resource person to deliver a Special Lecture on **“The objectives of chemistry in today’s Scenario”** on **04-10-2018** at Department of Chemistry, Dr. R.K. Shanmugam Arts and Science College, Kallakurchi, Vilupuram, Tamil Nadu.
15. Acted as Resource person to deliver a special lecture on **“Quran and Science”** in Science Exhibition on **20.12.2015** at Bharathi Nursery and Primary School, Pallapatti, Karur (Dt).

14. Administrative position held in the College:

01. Acted as Editorial Member in NCRTC-2018 and ICCER-2020.
02. Served as Sub- Warden in Khajamian Hostel, Jamal Mohamed College, from 2010 – 2014.
03. Handling IR instrument from 2011-2016.
04. CIA test incharge from 2016 – 2022.
05. EC Member of Staff Association from 2017-2019.
06. Member of question setting and valuation board in Jamal Mohamed College, Trichy and Bharathidasan University, Tiruchirappalli.
07. Acted as Co-convenor in the 5th International Conference on Chemical and Environmental Research (ICCER-2020), organized by the PG & Research Department of Chemistry, Jamal Mohamed College (Autonomous), Tiruchirappalli, Tamilnadu on 08th January 2020.
08. ERP Incharge from 2020-2022.
09. Department Internship and MOU incharge from 2020 till date.
10. Department NIRF Incharge from 2020 till date.
11. Acted as **Organizing Secretary** in the National Level Webinar on “Drug Delivery”, organized by PG & Research Department of Chemistry, Jamal Mohamed College (Autonomous), Tiruchirappalli, on 6th July 2021.
12. Acted as Organizing Secretary in the Intra collegiate Extravaganza “ChemFiesta’19” organized by the Department of Chemistry (SF), Jamal Mohamed College (Autonomous), Tiruchirappalli on 19th September 2019.
13. Acted as a **Convener** in the State Level Intercollegiate Extravaganza “Jam Chem Fest-2020”, organized by the PG & Research Department of Chemistry, Jamal Mohamed College (Autonomous), Tiruchirappalli on 27th February 2020.
14. Incharge for Deeniyath Essay Writing Competition for 2022
15. Member of Curriculum Development Cell, PG and Research Department of Chemistry, Jamal Mohamed College (Autonomous), Tiruchirappalli.

15. Details of Papers Presented:

1. Presented a paper in National seminar on “Recent advances in chemistry(**NSRAC**)” held at A.V.C.College (Autonomous) Mannampandal, Mayiladuthurai, on 27th & 28th February, 2009

Title of the Paper: Synthesis and biological application of imidazole derivatives

2. Presented a paper in State level seminar on “recent advances in chemistry” held at Periyar E.V.R College (Autonomous), Tiruchirappalli-20 on 16th & 17th March, 2009.

Title of the Paper: Environmental toxicity studies of bioactive heterocyclic compounds and its characterization

3. Presented a Paper in National seminar on pioneering areas in chemistry organized by Devanga Arts College Aruppukottai, Virudhunagar (Dt.), during 20th & 21th January 2010.
4. Presented a Paper in the National Conference on “Current Trend in Chemistry Research” (**NCTCR-2013**), Organized by PG & Research Department of Chemistry, Jamal Mohamed College (Autonomous), Tiruchirappalli during February 27th & 28th 2013.

Title of the Paper: “Synthesis and biological study of mannich base derivatives from carbozole”.

5. Presented a Paper in the National Conference on “Current Trend in Chemistry Research” (**NCTCR-2013**), Organized by PG & Research Department of Chemistry, Jamal Mohamed College (Autonomous), Tiruchirappalli during February 27th & 28th 2013.

Title of the Paper: Synthesis, Characterisation and antimicrobial activity of 1-[(3-nitrophenyl)(2-phenyl hydrazinyl)methyl]-1H-benzimidazole.

6. Presented a Paper in International Conference conducted by Bishop Heber College (Autonomous), Tiruchirappalli during 9th & 10th January 2014.

Title of the Paper: Physico-chemical characteristics of ground water around Cuddalore district, Tamilnadu.

7. Presented a Paper in International Conference on Chemical and Environmental Research (**ICCER-2014**), Organized by PG & Research Department of Chemistry, Jamal Mohamed College (Autonomous), Tiruchirappalli during 11th and 12th March 2014.

Title of the Paper: Synthesis and antimicrobial activity of some new mannich base derivatives

8. Presented a Paper in International Conference on Chemical and Environmental Research (**ICCER-2014**), Organized by PG & Research Department of Chemistry, Jamal Mohamed College (Autonomous), Tiruchirappalli during 11th and 12th March 2014.

Title of the Paper: Synthesis, Characterization and biological study of n-[[[4-(1,2,4-triazole-4-yl)amino]phenyl]-(dimethylamino)] benzamide.

9. Presented a Paper in International Conference on “**Chemical and Materials**” organized by Department of Chemistry, Bharathidasan Institute of Technology BIT campus, Anna University, Tiruchirappalli during 14th & 15th November 2014.
Title of the Paper: Variation in physico chemical characters of ground water quality among taluk of Cuddalore, Tamil Nadu.

10. Presented a Paper in National Conference of "Current Scenario In Material Chemistry **(CSIMC2015)** Organized by PG & Research Department of Chemistry, Jamal Mohamed College (Autonomous), Tiruchirappalli during 09th and 10th February 2015.

Title of the Paper: Synthesis, Characterisation and Antimicrobial activity of novel Mannich bases

11. Presented a Paper in International Conference on Chemical and Environmental Research **(ICCER-2015)**, Organized by PG & Research Department of Chemistry, Jamal Mohamed College (Autonomous), Tiruchirappalli on 17th March 2015.

Title of the Paper: A fast one-pot multi-component synthesis of Tetrahydroquinazoline in the presence of Lanthanide(III) Chloride using as a catalyst.

12. Presented a Paper in National Seminar on Frontiers in Biosciences **(FIB-2016)**, organized by the PG & Research Department of Biotechnology and Microbiology, Jamal Mohamed College, Tiruchirappalli on 5th March 2016.

Title of the Paper: Synthesis, characterization and bio- evaluation of novel chalcones.

13. Presented a Paper in International Conference on Chemical and Environmental Research **(ICCER-2017)**, Organized by PG & Research Department of Chemistry, Jamal Mohamed College (Autonomous), Tiruchirappalli on 07th January 2017.

Title of the Paper: Synthesis, Characterisation and Anti diabetic activity of novel chalcones

14. Presented a Paper in International Conference on Chemical and Environmental Research **(ICCER-2017)**, Organized by PG & Research Department of Chemistry, Jamal Mohamed College (Autonomous), Tiruchirappalli on 07th January 2017.

Title of the Paper: Synthesis, Characterisation and Antimicrobial studies of Schiff base derived from benzotriazole

15. Presented a Paper in National Conference on Emerging Trends in Chemical and Biological Science **(ETCBS-2018)**, Organized by PG & Research Department of Chemistry, D.K.M. College For Women (Autonomous), Sainathapuram, Vellore- 632 001 on 05th January 2018.

Title of the Paper: Synthesis Characterization and Structural diversity in Amino guanidium Salts of isoelectronic 2-Picolnic acid N-Oxide and 3-Hydroxypicolinic acid

16. Presented a Paper in International Conference on Chemical and Environmental Research **(ICCER-2018)**, Organized by PG & Research Department of Chemistry, Jamal Mohamed College (Autonomous), Tiruchirappalli on 19th December 2018.

Title of the Paper: Pharmacodynamic investigation and QSAR analysis on Molecular structure of 5-[(2E)-3-(furan-2-yl)prop-2-enoyl]-4-hydroxy-2H-pyran-2-one using spectroscopy tools supported by quantum calculations

17. Presented a Paper in National Conference on “Emerging Trends in Chemical and Biological Science”, Department of Chemistry, D.K.M. College for Women (Autonomous), Sainathapuram, Vellore on 04th January 2019.

Title of the Paper: Synthesis Characterization and Structural diversity in Amino guanidium Salts of isoelectronic 2-Picolinic acid N-Oxide and 3-Hydroxypicolinic acid.

18. Presented a Paper in International Conference on “Recent Trends in Chemistry”, Department of Chemistry, Dr. R.K.S College of Arts and Science, Kallakurichi on 10th January 2019.

Title of the Paper: Synthesis And Bio-Evaluation of Novel 4H-1,2,4-Triazol-4-Amine Derivatives.

19. Presented a Paper in International Conference on “Emerging Trends in Chemical Sciences (ICETCS-2019)”, Department of Chemistry, Arulmigu Palaniandavar Arts and College for Women, Palani -624615 on 06th September 2019.

Title of the Paper: QSAR Analysis and Pharmacodynamic investigation on Novel Piperonal Based Chalcone Using Spectroscopy Tools Supported by Quantum Calculations.

20. Presented a Paper in “International Conference on Chemical and Environmental Research (ICCER-2020)”, Organized by PG & Research Department of Chemistry, Jamal Mohamed College (Autonomous), Tiruchirappalli on 08th January 2020.

Title of the Paper: Spectral Characterization and In-Vitro Anti-inflammatory Potential of Nitrophenyl derivatives of Chalcones.

21. Presented a Paper in National Conference on “Recent Trends in Chemistry of Materials (NCRTCM-2019)”, Department of Physics, Thiru.Vi.Ka. Government Arts College, Thiruvavur-610003 on 14th February 2020.

Title of the Paper: Synthesis, Spectroscopic, DFT, HOMO-LUMO, MEP, Antimicrobial and Molecular Docking Analysis of 1-[3-anilino-5-(2H-1,3-benzodioxol-5-yl)-4,5-dihydro-1H-pyrazol-1-yl]ethan-1-one.

22. Presented a Paper in International Conference on “Current Research in Chemistry and Nano Sciences (CRCNS-2022)”, Jointly organized by Department of Chemistry & IQAC in association with MGVS, Vyankatrao Hiray Arts, Science and Commerce College, Panchavati, Nashik – 3 on 18th to 20th January 2022.

Title of the Paper: Spectroscopic (FT-IR, FT-Raman), First Order Hyperpolarizability, NBO and HOMO-LUMO Analysis of (2E)-3-(2H-1,3-benzodioxol-5-YL)-N-phenylprop-2-enamide.

23. Presented a Paper in “International Conference on Innovations in Chemical and Environmental Research (ICICER-2022)”, Organized by PG & Research Department of Chemistry, Jamal Mohamed College (Autonomous), Tiruchirappalli on 25th May 2022.

Title of the Paper: HOMO-LUMO & MEP Analysis of Novel Piperonal Based Pyrazoline Derivatives towards In-Silico Anti-Viral Drug Activity.

24. Presented a Paper in International Conference on “Recent Advancements in Therapeutics (ICRAT-2022)”, Organized by Department of Biochemistry, Shrimati Indira Gandhi College, Tiruchirappalli on 17th August 2022.

Title of the Paper: Design and Bio-Potential Evaluation of Novel Piperoni Towards Anti-Diabetic Activity and Detection on the Anti-Viral Solution to COVID-19.

16. Details of Seminars / Conferences / Workshops Participated:

1. Participated a seminar on “**renewable energy-energy of the future**” held at National College of Engineering, Tirunelveli on 20th August 2005.
2. Participated a seminar on “**Modern Techniques in Chemistry**” held at Jamal Mohamed College (Autonomous), Tiruchirappalli, Tamilnadu on March 5th & 6th, 2008.
3. Participated UGC sponsored State Level Seminar on “**Frontier Studies in Chemistry**” held on February 9th & 10th, 2010, organized by the PG & Research Department of Chemistry at Jamal Mohamed College (Autonomous), Tiruchirappalli, Tamilnadu.
4. 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 (Autonomous), Tiruchirappalli during 5th & 6th October 2010.
5. Attended the Seminar on “**Creating Competitiveness to excel in higher education – a TQM approach**” organized by Internal Quality Assurance Cell, Jamal Mohamed College (Autonomous), Tiruchirappalli on 8th December 2010.
6. Participated in the State Level Seminar on “**New Vistas in Chemistry**” (NVS-2012) organized by the PG & Research Department of Chemistry, Jamal Mohamed College (Autonomous), Tiruchirappalli on the 4th & 5th January 2012.
7. Participated in the one day seminar on “**Teaching, Learning and Research in Higher Education – Excellence and Beyond Excellence**” organized by Internal Quality Assurance Cell, Jamal Mohamed College (Autonomous), Tiruchirappalli during 7th March 2012.
8. Participated in the “**National Chemistry Day Celebrations – 2013**”, on 10th December 2013, organized by Department of Chemistry, AVVM Sri Pushpam College (Autonomous), Poondi, Sponsored by Association of chemistry Teachers Mumbai.
9. Participated in the two day National Conference of “**Indian National conference on development in Inorganic Applications (INDIA-2015)**”, organized by Department of Chemistry, School of Physical Sciences, Periyar University, Periyar Palkali Nagar, Salem during 15th & 16th October 2015.
10. Participated in 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 on 22nd December 2015.

11. Participated in the three Day Lecture-cum-workshop on **“Interpretation of spectral, chromatographic, crystallographic and computational data of chemical systems”** jointly organized by PRIST University and IICPT, Thanjavur, at CRD, PRIST University, Vallam, Thanjavur on 28th – 30th January 2016.
12. Participated in a One Day RSC-NIT Trichy Symposium on **“Heterogeneous Catalysis and Sustainable Chemistry”** organized by the Department of Chemistry, National Institute of Technology, Tiruchirappalli on 05th November 2017.
13. Participated in a One Day **“Workshop on organic farming production”** organized by the PG & Research Department of Microbiology, Jamal Mohamed College (Autonomous), Tiruchirappalli on 27th and 28th January 2017.
14. Participated in a One Day Science Lecture workshop on **“Thrust areas in biological sciences (BIOTAB-2017)”** organized by the PG and Research Department of Zoology, Seethalakshmi Ramaswami College (Autonomous), Tiruchirappalli on 09th and 10th February 2017.
15. Participated in a One Day National Seminar **“Recent advancements in materials (NLS-RAM: 17)”** organized by the PG & Research Department of Physics, Jamal Mohamed College (Autonomous), Tiruchirappalli on 15th February 2017.
16. Participated in a One Day National Seminar **“Intellectual Property Rights and Patenting in Life Sciences: Problems and Prospects”** organized by the PG & Research Department of Botany, Jamal Mohamed College (Autonomous), Tiruchirappalli on 01st March 2018.
17. Participated in a One Day Workshop on **“Recent Trends in Chemistry (Transition-2019)”**, School of Chemistry, Central University Tamil Nadu, Tiruvarur-610005 on 22th February 2019.
18. Participated in a Two Day Workshop on **“Cheminformatics and its application in Research and Drug Industry”**, Department of Chemistry, Seethalakshmi Ramaswami College, Tiruchirappalli - 620002 on 18th and 19th September 2018.
19. Participated in a One Day National Seminar on **“Recent Trends in Chemistry Sciences”**, Department of chemistry, Periyar E.V.R. College (Autonomous), Tiruchirappalli on 01st March 2019.
20. Participated in a One Day Workshop on **“Writing Winnable Project Proposals”**, organized by Internal Quality Assurance Cell, Jamal Mohamed College, Tiruchirappalli-20 on 23rd June 2018.
21. Participated in a One Day FDP on **“Staff Enrichment Programme on Ownership Culture”** organized by Internal Quality Assurance Cell, Jamal Mohamed College, Tiruchirappalli-20 on 14th June 2019.
22. Participated in a One Day Workshop on **“Artificial Intelligence in Bioinformatics & Drug Discovery”**, Department of Biotechnology, Mohamed Sathak College of Arts and Science, Chennai-19 on 14th August 2019.

23. Participated in a One day Workshop and Hands-on Training on **“Quantum Chemical Methods (QCM 2019)”**, Department of Chemistry, Bannari Amman Institute of Technology, Sathyamangalam on 07th September 2019.
24. Participated in a One Day National Seminar on **“Advanced Materials (NSAM – 2020)”**, Department of Physics, Jamal Mohamed College, Tiruchy on 21st Jan 2020.
25. Participated in a One Day National Seminar on **“Emerging Frontiers in Modern Science”**, Department of Physics and Chemistry, Dhanalakshmi Srinivasan College of Arts and Science for women, Perambalur-621212 on 09th January 2020.
26. Participated in a Orientation programme on **“MOOC’s and e-learning”**, organized by Department of Library, Jamal Mohamed College, Tiruchirappalli-20 on 29th January 2020.
27. Participated in a one day Inter-Collegiate workshop on **“Intellectual Property Rights and Prior Art Search for Research Development”**, organized by IPR Cell, Jamal Mohamed College, Tiruchirappalli-20 on 05th February 2020.
28. Participated in a One day Workshop and Hands-on Training on **“Experimental and Computational Methods in Advanced Material Science (ECMAMS- 2020)”**, Department of Science & Technology, PRIST University, Thanjavur – 613403 on 07th February 2020.
29. Participated in a One day Basic Training Programme on ‘Human Rights’, organized by Department of Social Work, Jamal Mohamed College, Tiruchirappalli-20 on 12th February 2020.
30. Participated in a National level Webinar on **“Present Scenario and Career Perspectives in Aquaculture”** organized by Department of Zoology, Micheal Job College of Arts and Science for Women, Sulur, Coimbatore-641103 on 04th June 2021.
31. Participated in a One day National E-Conference on **“The Covid -19 Pandemic’s Impact on the Environment – (CPIE-2021)”** organized by the Department of Zoology and Chemistry of Kai. Rasika Mahavidyalaya, Deoni, Latur and Eco-Need Foundatin, Aurangabad, Maharashtra on 05th June 2021.
32. Participated in a National Webinar on **“Essential of Intellectual Property Rights”** organized by Department of CS and Engineering, SRM TRP Engineering College, Trichy on 10th June 2021.
33. Participated in a One Day International Webinar cum workshop on **“Advanced Research Instrumental Methods in Electrochemistry for Energy Fields”**, organized by Department of Chemistry, Idhya College for Women, Sarugani & Ananda College, Devakottai on 12th July 2021.
34. Participated in a Knowledge & Information Sharing Session (KISS) on **“Outcome Based Education”** organized by IQAC and SA Centre for Academics Staff (SACAS), S.A. College of Arts and Science, Chennai on 04th September 2021.

35. Participated in a Webinar on “Novel Electrode Materials for the Sensing of Environmental Pollutants” organized by PG and Research Department of Chemistry, D.K.M College for Women (Autonomous), Vellore on 24th September 2021.
36. Participated in a International Webinar on “Emerging Materials” organized by Department of Physics, Sethu Institute of Technology, Kariapatti – 626 115, Virudhunagar, Tamilnadu on 23rd February 2022.