




AALIM MUHAMMED SALEGH COLLEGE OF ENGINEERING
NizaraEducationalCampus, Muthapudupet, Avadi IAF,Chennai–600055.
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DEPARTMENT OF CHEMISTRY

NAME & INITIALS	Dr.ASHMA.A	
DESIGNATION	ASSOCIATE PROFESSOR	
EDUCATIONAL QUALIFICATION	M.Sc.,M.Phil.,B.Ed.,Ph.D.	
EXPERIENCE	19.6 years	
DATE OF JOINING	02.07.2012	
EMAIL ID	ashmacader@gmail.com	
AREA OF SPECIALISATION	Inorganic Chemistry-Coordination Chemistry	

EDUCATIONAL QUALIFICATION

DEGREE	BRANCH / SPECIALIZATION	INSTITUTION	UNIVERSITY	YEAR
Ph.D	CHEMISTRY	The New College, Chennai	UNIVERSITY OF MADRAS	2023
M.Phil	INORGANIC CHEMISTRY	P.S.G.R.KRISHNAMA MAL COLLEGE FOR WOMEN, COIMBATORE	BHARATHIAR	2013
M.Sc	CHEMISTRY	A.P.A COLLEGE OF ARTS AND CULTURE, PALANI	MADURAI KAMARAJ	2001
B.Ed	PHYSICAL SCIENCE	GOVT. EDUCATION COLLEGE FOR WOMEN, COIMBATORE	BHARATHIAR	2002
B.Sc	CHEMISTRY	SRI G.V.G. VISALAKSHI COLLEGE FOR WOMEN,	BHARATHIAR	1999

	UDUMALPET		
PROFESSIONAL MEMBERSHIPS			
1. ISTE membership ID 134417			

FDP ATTENDED

1. Attended an AICTE sponsored 3days “Faculty Development Program for Student Induction (FDP- SI)”during 26-28 Nov.2018 at Easwari Engineering College, Chennai.
2. Participated in Online National Level Faculty Development Program (FDP) On Advanced concepts of outcomes-based education organized by Inpods India Private Limited on October 6,7, and 8, 2021
3. Attended ONLINE-FDP on Significance of Course Files & How to use it for PDCA in OBE organized by Rajalakshmi Engineering college conducted on June 4, 2020
4. AttendedOne day FDP on “How to Write & Publish a Good Technical Paper”, Rajalakshmi Engineering College 12th June 2020
5. Participated in Online National Level Faculty Development Program (FDP) On Advanced concepts of outcomes-based education organized by Inpods India Private Limited on October 6,7, and 8, 2021
6. Attended ONLINE-FDP on Significance of Course Files & How to use it for PDCA in OBE organized byRajalakshmi Engineering college conducted on June 4, 2020
7. Attended One day FDP on “How to Write & Publish a Good Technical Paper”, Rajalakshmi Engineering College 12th June 2020
8. Attended One day FDP on “How to Write & Publish a Good Technical Paper” , Rajalakshmi Engineering College 12th June 2020
9. Attended One day FDP on Faculty Role in SAR, Rajalakshmi Engineering College 10th June 2020
10. Attended Five Day Online FDP on Tools to Enhance Learning and Teaching , Aalim Muhammed Salegh Polytechnic College , 11th to 14th May 2020
11. Participated in the Three Days Faculty Development Programme on “Advanced Molecular Chemistry” Organized by PG & Research Department of Chemistry held on 1-6-2020 to 3-6-2020, ArulmiguPalaniandavar College of Arts & Culture,Palani,Tamilnadu.
12. ONLINE-FDP on“How Teachers can make a Difference”conducted by Teaching Learning Centre of IIT – MADRAS from 15th to 19th of June 2020, Rajalakshmi Engineering College.

WORKSHOPS ATTENDED

1. Attended One- Day Workshop on MEANS AND METHODS IN TRAINING PROFESSIONAL GRADUATES TO CORPORATE CAREER Organized under the aegis of English Literary Innovative Forum (ELIF) On 26.02.2014.
2. Attended online workshop on Universal Human Value on the theme“Incultating Universal Human Values in Technical Education” during 21-25 September, 2020 as organized by All India Council for Technical Education(AICTE)
3. Attended online workshop on Universal Human Value on the theme“Incultating Universal Human Values in Technical Education” during 21-25 September, 2020 as organized by All India Council for Technical Education(AICTE).

SEMINARS ATTENDED

1. Attended an National Seminar on EMERGING TECHNOLOGIES REDEFINING CHEMISTRY IN 21th CENTUARY Organized by the Department of Chemistry, Sriram Engineering College on 26.09.2018.
2. Attended an UGC Sponsored International Seminar on MODELS AND METHODS IN BIOINORGANIC CHEMISTRY (MMBIC) Organized by the Department of Chemistry, Loyola College (Autonomous), Chennai On 22.02.2017.
3. National Seminar on Emerging Technologies Redefining Chemistry in 21st Century (NSETRC-2018) held at Sriram Engineering College, Perumalpattu, Chennai, on 26-09-2018.
4. UGC Sponsored International Seminar on “Models and methods in bioinorganic chemistry” (2017-, 22 February), Department of Chemistry, Loyola College, Chennai-34.
5. UGC Sponsored one-day National Seminar on “Advances in Spectroscopic Techniques and Nanomaterials (ASTN 2019)” held on 22nd February 2019, PG & Research Department of Chemistry, The New College (Autonomous), Chennai.

PUBLICATION DETAILS

1. **A.Ashma**, G.Sasikumar, A.Subramani and S.J.Askar Ali, “Synthesis, Characterization and Antimicrobial Studies Of Mannich Base Derived From 2- Methyl Benzimidazole And Its Metal Complexes” Asian Journal Of Chemistry, Vol.29,2501-2503, September 2017.
2. **A.Ashma**, S. Shobana, G.Sasikumar, A.Subramani, “Synthesis, Characterization, Antibacterial Activity And Molecular Docking Studies Of Hydrazone Based Ligand And Their Transition Metal Complexes”, *International Journal of Research And Analytical Reviews*. 2019, 06(1), 2348-1269.
3. G.Sasikumar, S.Arulmozhi, **A.Ashma**, A.Sudha,S.J. Askar Ali, “ Mixed Ligand Ternary Complexes Of Co(II), Ni(II), Cu(II)And Zn(II) And Their Structural Characterization, Electrochemical, Theoretical And Biological Studies, Journal Of Molecular Structure 1187, 108-120, March 2019.
4. **A.Ashma**, G.Sasikumar, A.Subramani, S.J.Askar Ali, “Molecular Docking and Antimicrobial activity of Heterocyclic Thiosemicarbazone And Their Transition Metal Complexes” JETIR, Volume 6, Issue 5, May 2019.
5. G. Sasikumar, **A. Ashma**, A. Subramani and S.J. Askar Ali, Synthesis, Characterization, Electrochemical and Molecular docking studies of ternary metal (II) complexes with Schiff base ligand and 1,10-phenanthroline, *Int. J. Pharm. Bio. Sci.* 2018 July; 9(3): (B) 48-55,0975-6299
6. G. Sasikumar, A. Sudha, **A. Ashma**, N. Thanigaiarul and S.J. Askar Ali, Mononuclear mixed ligand Cobalt (II), Nickel (II), Copper (II) and Zinc (II) complexes: Biological evaluation, theoretical and molecular docking studies, *International Journal of Research and Analytical Reviews*. 2019,06 (1),2348-1269.
7. **A. Ashma**, A. Sudha, S.L. Ashok kumar, G. Sasikumar and S.J. Askar Ali, One Pot Synthesis of Schiff Base Complexes of Cu (II), Zn (II), Ni (II), Co (II) and their Cytotoxicity, Molecular Docking and Antibacterial Activity, *Asian Journal of Chemistry*; Vol. 2, No. 10 (2020), 2507-2514

8. **A. Ashma**, S. Anandhavelu, S. Anbarasu and S.J. Askar Ali One-pot synthesis of bidentate ligand CHTC @ Cu (II), Ni (II), Co (II), and Zn (II) complexes for antimycobacterial and molecular docking studies, *Research Journal of Chemistry and Environment*-Vol. 24 (10) October (2020), 0972-0626.

9. **A. Ashma**, ShowketYahya, A. Subramani, R. Tamilarasan , G. Sasikumar , S.J. Askar Ali , Hamad A. Al-Lohedan and MuthusamyKarnan, Synthesis of new nicotinic acid hydrazide metal complexes: Potential anti-cancer drug, supramolecular architecture, antibacterial studies and catalytic properties, *Journal of Molecular Structure*, Vol. 1250, Part 3, 15 February 2022, 131860.

CONFERENCE DETAILS

1. Attended an International Intellectual Convergence On Advances In Science and Engineering on 3rd& 4th March, 2017 at Aalim Muhammed Salegh College of Engineering, Chennai and Presented a paper on “Synthesis, Characterization and Antimicrobial Studies of Mannich Base Derived From 2- Methyl Benzimidazole And Its Metal Complexes.”

2. Attended an International Conference On Advancements And Challenges In Chemical sciences (ICACCS 2018) on 2nd and 3rd February 2018 at PG & Research department of Chemistry, Pachaiyappa’s College, Chennai and presented a paper

3. Attended the 2nd International Conference On Recent Trends In Analytical Chemistry (ICORTAC-2018) and Presented a paper on “Synthesis, Characterization And Biological Applications Of Hydrazone Based Ligand And Their Transition Metal Complexes.”