

CURRICULUM VITAE

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1. Educational Details

Degree	Subject	Institution	University	Year
Ph.D.	Chemistry	Islamiah College, Vaniyambadi	Thiruvalluvar University	2013
M.Phil.	Chemistry	The New College, Chennai	University of Madras	1994
PG	General Chemistry	C. Abdul Hakeem College, Melvisharam.	University of Madras	1989
UG	General Chemistry	C. Abdul Hakeem College, Melvisharam.	University of Madras	1987
12 th	-	Islamiah Hr. Sec. School, Melvisharam.	-	1984
10 th	-	Islamiah Hr. Sec. School, Melvisharam.	-	1982

2. Work Experience

S. No.	Designation	Name of the Institute	From	To
1.	Assistant Professor	C. Abdul Hakeem College (Autonomous), Melvisharam	19.06.1990	31.12.2015
2.	Associate Professor	C. Abdul Hakeem College (Autonomous), Melvisharam	01.01.2016	Till date

3. Professional Recognition/Award/Prize/Certificate/Fellowship received

S. No.	Name of the Award	Awarding Agency	Year
1.	Best Teacher	Association of Muslim Professionals (AMP)	2025

4. Professional Development Programme Attended (FDP/FIP/RC/OP/PDP – More than 3 Days)

S. No.	Name of the Programme	Name of the Organizer	Duration With Date
1.	Orientation Programme	Academic Staff College, University of Madras (Sponsored by UGC)	7 th August 1996 to 3 rd September 1996
2.	Refresher Course in Metal Complexes in Catalysis	Academic Staff College, University of Madras (Sponsored by UGC)	3 rd December 1998 to 23 rd December 1998
3.	Refresher Course in Chemistry (Batch-XVI)	Academic Staff College, University of Madras (Sponsored by UGC)	4 th August 2004 to 24 th August 2004
4.	Refresher Course in Nano Science (Interdisciplinary) - Batch-V	Academic Staff College, University of Madras (Sponsored by UGC)	19 th November 2013 to 9 th November 2013

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5. Membership in Professional Bodies

- Board of Studies Member in DKM College for Women, Vellore.
- Board of Studies Member in Muthurangam Government Arts College, Vellore.
- Board of Studies Member in Islamiah College, Vaniyambadi.
- Registrar of Attendance (CAHC) for 15 years.
- Additional Controller of Examinations (CAHC) for Five Years.
- Member of the Examination Committee of Thiruvalluvar University for more than Ten Years.
- Served as Chief Superintendent for Thiruvalluvar University Examinations, B.Ed., M.Ed. Examinations, TNPSC Group-II, Group-IV Examinations, and Examinations Conducted by the High Court.
- In charge of conducting the Convocation Function for the Past 12 years.
- In charge of conducting the College Day Function.
- Vice President of the College Union.
- Guided More than 25 M.Phil. Students.
- Published Papers in International and National Journals.
- Presently Holding the Position of Principal & HOD of Chemistry.
- Member of the Selection Committee for the recruitment of an Assistant Professor in Chemistry at The New College, Chennai.
- Completed 35 years of Teaching.
- Presently, the Chairman of the M.Sc. Chemistry Board at Thiruvalluvar University.

6. List of Papers published (Name, Title, Journal Name, Volume, Year, Page No) (Link if any)

1. S. Sheik Mansoor*, S. Syed Shafi, **S. Zaheer Ahmed**. "Correlation analysis of reactivity in the oxidation of methionine by benzimidazolium fluorochromate in different mole fractions of acetic acid–water mixture." *Arabian Journal of Chemistry*, 2011, **9** (supp.) S557-S563. (**I.F= 5.2**). <http://dx.doi.org/10.1016/j.arabjc.2011.06.026>
2. S. Sheik Mansoor*, S. Syed Shafi, **S. Zaheer Ahmed**. "An efficient one-pot multicomponent synthesis of 3,4-dihydropyrimidine-2-(1H)-ones/thiones/imines via a Lewis base catalyzed Biginelli-type reaction under solvent-free conditions." *Arabian Journal of Chemistry*, 2011, **9** (supp.) S846-S851. (**I.F= 5.2**). <http://dx.doi.org/10.1016/j.arabjc.2011.09.018>
3. **S. Zaheer Ahmed**, S. Syed Shafi, and S. Sheik Mansoor*. "Oxidation of lactic acid by pyridinium fluorochromate: A kinetic and mechanistic study". *Advances in Applied Science Research*, 2012, (3),123-129. Oxidation of lactic acid by pyridinium fluorochromate: A ki / 89792
4. S. Sheik Mansoor*, S. Syed Shafi, **S. Zaheer Ahmed**. "Correlation analysis of reactivity in the oxidation of some para-substituted benzhydrols by triethylammonium chlorochromate in non-aqueous media." *Arabian Journal of Chemistry*, 2013, **10** (sipp.) S1129-S1137. (**I.F= 5.2**). <http://dx.doi.org/10.1016/j.arabjc.2013.02.005>
5. **S. Zaheer Ahmed**, S. Syed Shafi, and S. Sheik Mansoor*. "Oxidation of Some α -Hydroxy Acids by Pyridinium Fluorochromate in Aqueous Acetic Acid Media: A Kinetic and Mechanistic Study." *Asian Journal of Chemistry*, 2013, **25** (2) ISSN: 0970-7077. <http://dx.doi.org/10.14233/ajchem.2013.13142>

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6. **S. Zaheer Ahmed**, S. Syed Shafi, and S. Sheik Mansoor*. “Kinetic and Mechanism of Oxidation of Some -Hydroxy Acids by Pyridinium Dichromate in Aqueous Acetic Acid Medium”. *Asian Journal of Research in Chemistry*, 2012, 5 (6), 753-758. ISSN: 0974-4150
7. I. Abdul Matheen, A. Ahmed Raza*, A. Mujthaba Aatif, S. Ravi, Attar Kubaib, S. Abdul Majeed, **S. Zaheer Ahmed**, S. Syed Tajudeen*. “Enhanced photocatalytic degradation of organic contaminants using a novel bimetallic Ag-Cu doped biphenyl linked covalent triazine framework: Experimental, theoretical and toxicological assessments”. *Journal of Photochemistry and Photobiology A: Chemistry*, 2025, **462**, 116264. (I.F= **4.7**). <https://doi.org/10.1016/j.jphotochem.2025.116264>
8. Mohammed Rehan Katiya, M.D. Furqaan Valiyathur, A. Ahmed Raza, Z. Ansar Ali, Anver Basha Kottur, **S. Zaheer Ahmed**, Mohammed Safiullah Sakvai. “Alginate-assisted self-optimizing heterojunction photocatalyst for sustainable wastewater remediation”. *Carbohydrate Polymers*, 2025, **368**, 124186. (I.F= **12.5**). <https://www.sciencedirect.com/science/article/abs/pii/S0144861725009713>
9. A. Mujthaba Aatif, Selva Kumar Ramasamy, R. Bhaskar, S. Abdul Majeed, A.S. Sahul Hameed, **S. Zaheer Ahmed**, and S.K. Ashok Kumar*. “Pyridine-2,6-dicarbohydrazide Schiff base: a sensitive fluorescent ‘turn-on’ probe for Th⁴⁺ ions and potential application in Zebrafish imaging”. *Journal of Photochemistry & Photobiology, A: Chemistry*, 2026, **473**, 116896. (I.F= **4.7**). <https://www.sciencedirect.com/science/article/abs/pii/S1010603025006367>
10. Mohamed Jaffer Abdul Wazith, Gani Taju*, Seepoo Abdul Majeed, Venkatesan Rajkumar, Sivaraj Mithra, Kumaraswamy Kanimozhi, Sathar Zaheer Ahmed, and Azeez Sait Sahul Hameed*. “Amelioration of Fluoride-Induced Toxicity by trans-Chalcone in Zebrafish Larvae and Its Gill Cell Line: An In Vivo and In Vitro Approach”. *Environmental Toxicology*, 2025, 1-15. (I.F= **3.2**). <https://onlinelibrary.wiley.com/doi/10.1002/tox.70014>

7. List of Books/Reports/Chapters/General Articles, etc. (Author, Chapter Title, Book Title, Publisher, Year, ISBN/ISSN) (Link if any)

Year	Name of the Authors	Title of the Book/Chapter	Publisher	ISBN/ISSN
2025	Dr. S. Zaheer Ahmed, Dr. Z. Abdul Vaheith, and Dr. S. Mohammed Safiullah	Environmental Studies	VBR Publishers Pvt. Ltd.	978-93-49645-78-7
2023	Dr. S. Zaheer Ahmed and Dr. Z. Abdul Vaheith	Engineering Chemistry	VBR Publishers Pvt. Ltd.	978-93-45048-58-6

8. List of Paper Presentations in National/International Seminars/Conferences (Paper Title, Seminar / Conference, Place, Date)

1. Presented a paper entitled “Kinetics of Oxidation” at the ‘National Conference on Frontiers in Spectroscopy’ held at the Government Arts College, Thiruvannamalai. (2012).
2. Presented a paper entitled at the ‘International Conferences on Advances in Chemical and Biological Sciences (ACBS-2024)’ held at the D.K.M. College for Women (Autonomous), Vellore. (2024).

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9. List of Invited Talks

S. No.	Title of the Talk	Nature of the Event	Place	Date
1.	Modern Techniques in Phytochemical Analysis	National Seminar	K.S. Rangasamy College of Technology (Autonomous), Chennai.	9 th March 2022
2.	Role of Chemistry in Sustainable Development.	National Seminar	D.K.M. College for Women (Autonomous), Vellore.	15 th March 2022
3.	Recent Advances in Spectroscopic Techniques.	National Seminar	Arcot Sri Mahalakshmi Women's College, Arcot.	22 nd July 2022
4.	Polymers and Their Applications.	National Webinar	D.K.M. College for Women (Autonomous), Vellore.	1 st April 2023
5.	Chemistry Behind Climate Change: A Physical Chemistry Perspective.	National Seminar	Arcot Sri Mahalakshmi Women's College, Arcot.	23 rd June 2023
6.	From Molecules to Meals: Exploring the Chemistry of What We Eat.	National Seminar	K.S. Rangasamy College of Technology (Autonomous), Chennai.	21 st August 2023
7.	Electrochemical Energy Storage and Conversion.	National Seminar	Arcot Sri Mahalakshmi Women's College, Arcot.	2 nd July 2024
8.	The Role of Chemistry in Everyday Life.	National Seminar	D.K.M. College for Women (Autonomous), Vellore.	5 th October 2024

10. List of Conferences / Symposiums / Webinars Attended

1. Participated in the 'State Level UGC Seminar on The New VISTAS in Spectroscopic Techniques' held at the Islamiah College, Vaniyambadi, on 20th & 21st August 2005.
2. Participated in the 'International Conference on Recent Advancements in Chemistry' held at the Auxilium College, Vellore, on 5th & 6th January 2006.
3. Participated in the 'One Day Workshop on Instrumental Methods of Analysis' held at the Vellore Institute of Technology, Vellore, on 7th January 2006.
4. Participated in the 'National Conference on Eco-Sono – And Nanochemistry & Recent Advancements in Chemistry-New Chemlinks-2006' held at The New College, Chennai, on 20th & 21st December 2006.

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5. Participated in the '**National Conference on Energy and Environment**' held at the D.K.M. College for Women, Vellore, on 17th February 2007.
6. Participated in the '**National Level UGC Seminar on Emerging Trends in Analytical Techniques**' held at the Islamiah College, Vaniyambadi, on 12th August 2008.
7. Participated in the '**Chemistry Past Pupil Sponsored State Level Seminar on Taking Chemistry to Common Man 'SAJU 2008**' held at the Sacred Heart College (Autonomous), Tirupattur on 22nd & 23rd August 2008.
8. Participated in the '**UGC Sponsored National Level Seminar on "Recent Advancements in Polymer Chemistry and Nanotechnology**' held at the D.K.M. College for Women (Autonomous), Vellore on 12th & 13th September 2008.
9. Participated in the '**National Seminar on "New Frontiers in Chemistry**' held at the Auxilium College (Autonomous), Vellore, on 8th & 9th January 2009.
10. Participated in the '**National Conference on Interplay of Biological and Chemical Sciences (NCIBCS)**' held at the Thiruvalluvar University, Vellore, from 6th to 8th January 2010.
11. Participated in the '**State Level Seminar on Current Research in Chemistry (CRC-10)**' held at the K.M.G. College of Arts & Science, Gudiyattam, on 23rd February 2010.
12. Participated in the '**National Conference on Application of Analytical Tools in Chemical and Biological Sciences**' held at the D.K.M. College for Women (Autonomous), Vellore, on 8th January 2011.
13. Participated in the '**State Level Seminar on Recent Trends in Polymer Chemistry Sponsored by Tamil Nadu State Council for Higher Education (TANSCHE), Chennai**, held at the Government Arts College, Tiruvannamalai on 9th & 10th April 2011.
14. Participated in the '**State Level Seminar on Emerging Trends in Chemistry**' held at the Muthurangam Government Arts College (Autonomous), Vellore, on 3rd December 2011.
15. Participated in the '**National Seminar on Enhancement of Quality in Research Publications and Recent Research in Water, Alternative Energy Resources, Materials, and Health (CURIE 11)**' held at the Auxilium College (Autonomous), Vellore, on 15th & 16th December 2011.
