


Department of Chemistry
Faculty of Natural Sciences

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5.	Academic Qualifications	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: center;">S.No.</th> <th style="text-align: center;">Exams Passed</th> <th style="text-align: center;">Board/Univ.</th> <th style="text-align: center;">Year</th> <th style="text-align: center;">Division</th> <th style="text-align: center;">Subjects Studied</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">1.</td> <td style="text-align: center;">High School</td> <td style="text-align: center;">U.P.Board,</td> <td style="text-align: center;">1968</td> <td style="text-align: center;">I</td> <td style="text-align: center;">Science,Math,G.Ar Hindi,English,</td> </tr> <tr> <td style="text-align: center;">2.</td> <td style="text-align: center;">Intermediate</td> <td style="text-align: center;">---- do ----</td> <td style="text-align: center;">1970</td> <td style="text-align: center;">I</td> <td style="text-align: center;">Chem.,Phys., Math.,Hindi,Eng.</td> </tr> <tr> <td style="text-align: center;">3.</td> <td style="text-align: center;">B. Sc.(Hons)</td> <td style="text-align: center;">A.M.U.Aligarh</td> <td style="text-align: center;">1973</td> <td style="text-align: center;">I</td> <td style="text-align: center;">Chem.(main),Phys. Math.,Eng.</td> </tr> <tr> <td style="text-align: center;">4.</td> <td style="text-align: center;">M. Sc.</td> <td style="text-align: center;">---- do ----</td> <td style="text-align: center;">1975</td> <td style="text-align: center;">I</td> <td style="text-align: center;">Chemistry(Phys.)</td> </tr> <tr> <td style="text-align: center;">5.</td> <td style="text-align: center;">M. Phil.</td> <td style="text-align: center;">---- do ----</td> <td style="text-align: center;">1977</td> <td style="text-align: center;">---</td> <td style="text-align: center;">Chemistry(Phys.)</td> </tr> <tr> <td style="text-align: center;">6.</td> <td style="text-align: center;">Ph. D.</td> <td style="text-align: center;">---- do ----</td> <td style="text-align: center;">1978</td> <td style="text-align: center;">---</td> <td style="text-align: center;">Chemistry(Phys.)</td> </tr> </tbody> </table>					S.No.	Exams Passed	Board/Univ.	Year	Division	Subjects Studied	1.	High School	U.P.Board,	1968	I	Science,Math,G.Ar Hindi,English,	2.	Intermediate	---- do ----	1970	I	Chem.,Phys., Math.,Hindi,Eng.	3.	B. Sc.(Hons)	A.M.U.Aligarh	1973	I	Chem.(main),Phys. Math.,Eng.	4.	M. Sc.	---- do ----	1975	I	Chemistry(Phys.)	5.	M. Phil.	---- do ----	1977	---	Chemistry(Phys.)	6.	Ph. D.	---- do ----	1978	---	Chemistry(Phys.)
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6.	Date of Joining J.M.I	September 14, 1984																																														
7.	Field of Specialization	Physical Chemistry																																														
8.	Awards and Honours	<ul style="list-style-type: none"> ➤ Position in High School in U. P. Board ➤ Awarded National Scholarship ➤ Departmental Merit Scholarship during M. Sc. 																																														

		<ul style="list-style-type: none"> ➤ Junior Research Fellowship (C. S. I. R.) ➤ Senior Research Scholarship (C. S. I. R.) ➤ Post Doctoral Research Fellowship (C. S. I. R.)
9.	Teaching Experience	More than 36 Years (Under-Graduate and Post-Graduate Classes, Physical Chemistry)
10.	Field of Research Interest	Thermodynamic and Physico-Chemical Studies of Intermolecular and Ion-Solvent Interactions in Liquid Mixtures and in Mixtures Containing Biomolecules and Ionic Liquids in Aqueous Surfactants/ Carbohydrates/ Dyes/ Drugs.
11. List of Research Publications: Total =152 National Journals = 41 Foreign Journals = 111		
1.	Temperature and concentration dependence of fluidity of mixed hydrated melts of calcium and nickel (II) nitrates, N. Islam and A. Ali , <i>Canadian Journal of Chemistry</i> , 57, 2028 – 2031 (1979).	
2.	Concentration dependence of flow properties of molten salt systems, N. Islam and A. Ali , <i>Bulletin of Chemical Society, Japan</i> , 53, 2371- 2375 (1980).	
3.	Modified Frenkel equation and isothermal concentration dependence of Walden product, N. Islam and A. Ali , <i>Indian Journal of Chemistry</i> , 19A, 254 – 256 (1980).	
4.	Concentration dependence of transport 2ehavior of mixed hydrated cadmium nitrate-mangnese (II) chloride melts, N. Islam, K. Ismail and A. Ali , <i>Z. Phys. Chemie. Liepzig,Germany</i> , 263, 369 – 376 (1982).	
5.	Temperature and concentration dependence of Walden product of molten salt systems, N. Islam and A. Ali , <i>Z. Phys. Chemie. Liepzig,Germany</i> , 263, 365 – 368 (1982).	
6.	Application of Doolittle expression to flow process in glass forming melts, N. Islam and A. Ali , <i>Z. Phys. Chemie. Liepzig,Germany</i> , 263, 1225 – 1232 (1982).	
7.	Ultrasonic investigation of ion-solvent interactions in solutions of potassium bromide in formamide-water mixtures, A. Ali and A. K. Nain, <i>Journal of Chemical Research (s), The Royal Chemical Society , U.K.</i> , issue 2, 80 – 81(1994).	
8.	Ultrasonic investigations of ion-solvent interactions of sodium chloride in aqueous dimethylformamide mixtures, A. Ali and A. K. Nain, <i>Journal of Pure and Applied Ultrasonics, Ultrasonic Society of India</i> , 16, 74 – 77(1994).	
9.	Physico-chemical studies of non-aqueous binary liquid mixtures at various temperatures, A. Ali , A. K. Nain, and M. Kamil, <i>Thermochimica Acta, Elsevier,U.K.</i> , 274, 209 – 221(1996).	
10.	Thermodynamic study of formamide + ethanol binary mixtures at various temperatures, A. Ali and A. K. Nain, <i>Indian Journal of Chemistry</i> , 35A, 751- 757 (1996).	
11.	Physico-chemical studies of solvent-solvent and ion-solvent interactions in solutions of lithium nitrate in dimethylsulphoxide + ethanol mixtures, A. Ali and A. K. Nain, <i>Physics and Chemistry of Liquids, Taylor & Francis, U.K.</i> , 34, 25 (1997).	
12.	Ultrasonic study of molecular interactions in N,N-dimethylacetamide + ethanol binary mixtures at various temperatures, A. Ali and A. K. Nain, <i>Acoustics Letters, Parjon Information Services, U.K.</i> , 19, 181- 187 (1996).	
13.	Ion-solvent interactions in DMSO + water + KBr system at 303.15 K, A. Ali , A. K. Nain and S. Ahmad, <i>Journal of the Indian Chemical Society</i> , 74, 806 – 808 (1997).	
14.	Theoretical evaluation of ultrasonic velocity in binary liquid mixtures using various approaches, A. Ali , A. K. Nain and M. Ibrahim, <i>Journal of Pure and Applied Ultrasonics, Ultrasonic Society of India</i> , 19, 41- 46 (1997).	
15.	Ultrasonic studies of formamide + 1,2-ethanediol and sodium iodide + formamide + 1,2-ethanediol mixtures at 298.15 K, A. Ali and A. K. Nain, <i>Indian Journal of Pure and Applied Physics, C.S.I.R.</i> , 35, 729 – 733 (1997).	
16.	Investigation of micellization properties of some ionic surfactants in water + formamide solutions at various temperatures, A. Ali and A. K. Nain, <i>Journal of Surface Science and Technology, The Indian Society for</i>	

	<i>Surface Science and Technology</i> , 13, 1- 9 (1997).
17.	Ultrasonic study of molecular interaction in binary mixtures of N,N-dimethylacetamide with 1-hexanol, 1-octanol, chlorobenzene, and toluene at 303.15 K, A. Ali , S. Hyder and A. K. Nain, <i>Acoustics Letters, Parjon Information Services, U. K.</i> , 21, 77- 83 (1997).
18.	Ion-solvent interaction of sodium iodide and lithium nitrate in dimethylformamide + ethanol mixtures at various temperatures, A. Ali , A. K. Nain and S. Hyder, <i>Journal of the Indian Chemical Society</i> , 75, 501-505 (1998).
19.	Excess molar volumes of (dimethylsulfoxide + propan-2-ol, or + propan-1,2-diol, or propan-1,2,3-triol) at T = 303.15 K, A. K. Nain, A. Ali and M. Alam, <i>Journal of Chemical Thermodynamics, Academic Press, U.K.</i> , 30, 1275 – 1278 (1998).
20.	Studies on molecular interactions in binary liquid mixtures by viscosity and ultrasonic velocity measurements at 303.15 K, A. Ali , S. Hyder and A. K. Nain, <i>Journal of Molecular Liquids, Elsevier, U.K.</i> , 79, 89 – 99 (1999).
21.	Interactions in binary N,N-dimethylacetamide + ethanol and ternary lithium nitrate + N,N-dimethylacetamide + ethanol mixtures, A. Ali and A. K. Nain, <i>Physics and Chemistry of Liquids, Taylor & Francis, U. K.</i> , 37, 161-174 (1999).
22.	Ultrasonic study of molecular interactions in binary liquid mixtures at 303 K, A. Ali and A. K. Nain, <i>Journal of Pure and Applied Ultrasonics, Ultrasonic Society of India</i> , 21, 31- 34 (1999).
23.	Ultrasonic velocity and excess functions of the system dimethylsulphoxide + ethanol at various temperatures, A. K. Nain and A. Ali , <i>Z. Phys. Chemie, Germany</i> , 210, 185- 198 (1999).
24.	Intermolecular and ion-solvent interactions of sodium iodide and potassium iodide in dimethylformamide + 1-propanol mixtures at 303 K, A. Ali , S. Hyder and A. K. Nain, <i>Journal of Pure and Applied Ultrasonics, Ultrasonic Society of India</i> , 21, 127 – 131 (1999).
25.	Intermolecular interactions in ternary liquid mixtures by ultrasonic velocity measurements, A. Ali , S. Hyder and A. K. Nain, <i>Indian Journal of Physics</i> , 74B, 63 (2000).
26.	Study of intermolecular interaction in dimethylsulphoxide + 1-alkanols (1-butanol, 1-hexanol, 1-octanol) at 303.15 K, A. Ali , K. Tewari, A. K. Nain and B. Chakravorty, <i>Physics and Chemistry of Liquids, Taylor & Francis, U. K.</i> , 38, 459 – 473 (2000).
27.	Study of molecular interactions in non-aqueous binary liquid mixtures through ultrasonic measurements, A. Ali and A. K. Nain, <i>Journal of Pure and Applied Ultrasonics, India</i> , 22, 10 (2000).
28.	Ultrasonic study of molecular interactions in ternary mixtures of dimethylsulphoxide (1) + carbon tetrachloride (2) + aromatic hydrocarbons (3) at 308.15 K, A. Ali , K. Tiwari, A. K. Nain and V. Chakravorty, <i>Indian Journal of Physics</i> , 74B, 351- 355 (2000).
29.	Acoustical studies of molecular interaction in binary liquid mixtures at 35 ° C, A. Ali , A. K. Nain, V. K. Sharma and S. Ahmad, <i>Journal of the Acoustical Society of India</i> , 28, 283- 288 (2000).
30.	Ultrasonic study of molecular interaction in binary liquid mixtures at 308.15, 313.15 and 318.15 K, A. Ali , S. Hyder and A. K. Nain, <i>Acoustics letters, Parjon Information Services, U.K.</i> , 23, 183 – 190 (2000).
31.	Study of molecular interaction in binary mixtures of 1,4-dioxane + 1-alkanols, A. Ali , A. K. Nain, V. K. Sharma and S. Ahmad, <i>Acoustics Letters, Parjon Information Services, U.K.</i> , 24, 9 (2000).
32.	Study of intermolecular interaction in binary mixtures of formamide with 2-propanol, 1,2-propanediol and 1,2,3-propanetriol through ultrasonic speed measurements, A. Ali and A. K. Nain, <i>Indian Journal of Pure and Applied Physics, CSIR</i> , 39, 421- 427 (2001).
33.	Ultrasonic studies in binary liquid mixtures, A. Ali , A. K. Nain, V. K. Sharma and S. Ahmad, <i>Indian Journal of Physics</i> , 75B, 519 – 525(2001).
34.	Study of intermolecular interaction in binary liquid mixtures through ultrasonic speed measurement, A. Ali , Abida, A. K. Nain and S. Hyder, <i>Journal of Pure and Applied Ultrasonics, India</i> , 23, 73- 79 (2001).

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36.	Ultrasonic studies on solutions of 1-pentanol with amides, A. Ali , A. K. Nain, N. Kumar and M. Ibrahim, <i>Acoustics letters, Parjon Information Services, U.K.</i> , 24, 199 – 205 (2001).
37.	Study of molecular interactions in binary liquid mixtures through ultrasonic speed measurements, A. Ali , A. K. Nain, N. Kumar and M. Ibrahim, <i>Acoustics letters, Parjon Information Services, U.K.</i> , 24, 218 – 225(2001).
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39.	Ultrasonic study of molecular interaction in binary liquid mixtures at 30 ° C, A. Ali and A. K. Nain, <i>Pramana – Journal of Physics, Indian Academy of Sciences</i> , 58, 695 – 701(2002).
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45.	Ultrasonic study of molecular interaction in mixtures of 1,4-dioxane with benzene, toluene and chlorobenzene at 303 K, A. Ali , A. K. Nain, Abida and S. Hyder, <i>Journal of the Acoustical Society of India</i> , 30, 1-4 (2002).
46.	Ultrasonic, volumetric and viscometric study of molecular interactions in binary mixtures of 2,3,4-trimethylpentane with n-hexane and cyclohexane at 308 K, A. Ali , Abida, S. Hyder and A. K. Nain, <i>Indian Journal of Physics</i> , 76B, 661- 667 (2002).
47.	Molecular interactions in binary mixtures of benzene with 1-alkanols (C ₅ ,C ₇ ,C ₈) at 35 ° C; An ultrasonic study, A. Ali , A. K. Nain, N. Kumar and M. Ibrahim, <i>Chinese Journal of Chemistry, The Chinese Chemical Society</i> , 21, 253 – 260 (2003).
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49.	Molecular interactions in formamide + isomeric butanol: An ultrasonic and volumetric study, A. Ali , A. K. Nain, Abida and S. Hyder, <i>Journal of Solution Chemistry, Kulwer Academic Publishers, U.S.A.</i> , 32, 865 – 877 (2003).
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51.	Study of molecular interaction in ternary mixtures through ultrasonic speed measurements, A. Ali , A. K. Nain, V. K. Sharma and S. Ahmad, <i>Physics and Chemistry of Liquids, Taylor & Francis, U.K.</i> , 42, 375 – 383 (2004)
52.	Study of intermolecular interaction in binary mixtures of cyclohexanol with 1-alkanols at 308.15 K, A. Ali , A. K. Nain, Abida and S. Hyder <i>Physics and Chemistry of Liquids, Taylor & Francis, U.K.</i> , 42, 411- 422 (2004).

53.	Ultrasonic and volumetric studies of molecular interactions in acetonitrile + 1-alkanols (C ₆ ,C ₈ ,C ₁₀) binary mixtures at different temperatures, A. Ali , A. K. Nain, and Abida, <i>Journal of the Chinese Chemical Society</i> , 51, 477 – 485 (2004).
54.	Study of intermolecular interactions in non-aqueous binary liquid mixtures through ultrasonic speed measurements at 30 ° C, A. Ali , A. K. Nain and B. Lal, <i>Journal of Pure and Applied Ultrasonics, India</i> , 26, 40 – 48 (2004).
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58.	Molecular interactions in binary mixtures of anisole with benzyl chloride, chlorobenzene and nitrobenzene at 303.15 K: An ultrasonic, volumetric, viscometric and refractive index study, A. Ali , A.K. Nain, D. Chand and B. Lal, <i>Indian Journal of Chemistry, CSIR</i> , 44A, 511- 515 (2005).
59.	Viscometric studies of a –amino acid in aqueous NaCl and MgCl ₂ at 303 K, A. Ali , S. Hyder and Y. Akhtar, <i>Indian Journal of Physics</i> , 79, 157 – 160 (2005).
60.	Densities, ultrasonic speeds, viscosities and refractive indices of binary mixtures of benzene with benzyl alcohol, Benzonitrile, benzoyl chloride and chlorobenzene at 303.15 K, A. Ali , J.D.Pandey, N.K.Soni, A.K.Nain, B.Lal and D.Chand, <i>Chinese Journal of Chemistry</i> , 23, 377 – 385 (2005).
61.	Volumetric, ultrasonic and viscometric studies of molecular interactions in binary mixtures of aromatic + aliphatic alcohols at different temperatures, A. Ali , A.K.Nain, D.Chand and R.Ahmad, <i>Physics and Chemistry of Liquids, Taylor & Francis, U.K.</i> ,43, 205 – 224 (2005).
62.	Volumetric, viscometric and refractive index behavior of glycine in aqueous diols at different temperatures, A. Ali , S.Khan and S.Hyder, <i>Journal of Chinese Chemical Society</i> , 52, 215 – 222 (2005).
63.	Volumetric and viscometric studies of molecular interactions in N, N-dimethyl acetamide + benzyl alcohol binary mixtures at different temperatures, A. Ali , A.K.Nain, D.Chand and B.Lal, <i>South African Journal of Chemistry</i> , 58, 98 – 104 (2005).
64.	Measurement of the properties of binary mixtures of dimethylsulphide (DMSO) with 1-alkanols (C ₄ , C ₆ , C ₇) at 303.15 K, A. Ali , S. Hyder and M. Tariq, <i>International Journal of Thermophysics, Springer Science, U. S. A.</i> ,26, 1537-1548 (2005).
65.	Effect of temperature and pressure on acoustic nonlinearity parameter B/A of some industrially important fluids, A. Ali , D. Chand and M. Tariq, <i>Journal of the Acoustical Society of India</i> , 33, 240 – 243 (2005).
66.	Volumetric, viscometric and refractive index behavior of α-amino acids and their groups' contribution in aqueous D-glucose solution at different temperatures, A. Ali , S. Hyder, S. Sabir, A. K. Nain and D. Chand, <i>Journal of Chemical Thermodynamics, Elsevier, U. K.</i> -38, 136-143 (2006).
67.	Volumetric, ultrasonic, viscometric and refractive index behavior of binary mixtures of 2,2,4-trimethylpentane with aromatic hydrocarbons: An experimental and theoretical study, A. Ali , A. K. Nain, D. Chand and R. Ahmad, <i>Journal of Molecular Liquids, Elsevier, U. K.</i> , 128, 32 – 41 (2006).
68.	Volumetric and ultrasonic studies of molecular interactions in binary mixture of dimethylsulphoxide with some aromatic hydrocarbons at different temperatures, A. Ali , A. K. Nain, D. Chand and R Ahmad, <i>Bulletin of the Chemical Society of Japan</i> , 79, 702 – 710 (2006).
69.	Thermodynamics and transport behavior of binary liquid mixtures of benzyl alcohol with monocyclic aromatics at 303.15 K, A. Ali and M. Tariq, <i>Journal of Molecular Liquids, Elsevier, U K.</i> , 128, 50 – 55 (2006).

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72.	Viscosities and refractive indices of binary mixtures of dimethylsulphoxide with some aromatic hydrocarbons at different temperatures: An experimental and theoretical study, A. Ali , A. K. Nain, D. Chand and R. Ahmad, <i>Journal of Chinese Chemical Society</i> , 53, 531 – 543 (2006).
73.	Volumetric, viscometric and refractive index behavior of dl – valine, l – isoleucine and l – 6raline in aqueous dimethylsulphoxide at different temperatures, A. Ali , S. Sabir, A. K. Nain, S. Hyder, S. Ahmad and R. Patel, <i>Journal of Indian Chemical Society</i> , 83, 581 – 587 (2006).
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75.	Volumetric, viscometric and refractive index behavior of some α - amino acids in aqueous tetrapropylammonium bromide at different temperatures, A. Ali and Shahjahan, <i>Journal of Iranian Chemical Society</i> , 3, 340- 350 (2006).
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79.	Volumetric, viscometric and refractive index behaviour of some α - amino acids in aqueous caffeine solution with varying temperatures, A. Ali , S. Sabir and M. Tariq, <i>Acta Physico Chimica Sinica</i> , <i>Elsevier U.K.</i> , 23, 79- 83 (2007).
80.	Viscometric studies of binary non-aqueous liquid mixtures at 303.15 K, A. Ali and M. Tariq, <i>Indian Journal of Chemical Technology</i> , 14, 189- 194 (2007).
81.	Volumetric, viscometric and refractive index behaviour of amino acids in aqueous glycerol at different temperatures, A. Ali , S. Khan and F. Nabi, <i>Journal of Serbian Chemical Society</i> , 72, 495- 512 (2007).
82.	Volumetric and refractive index behaviour of α – amino acids in aqueous CTAB at different temperatures, A. Ali , S. Sabir, Shahjahan, S. Hyder, <i>Acta Physico-Chimica Sinica, Elsevier, U.K.</i> , 23, 1007- 1012 (2007).
83.	Role of boric acid in synthesis and tailoring the properties of calcium aluminate phosphor, D. Haranath, P. Sharma, H. Chander, A. Ali , N. Bhalla, and S. K. Halder, <i>Materials Chemistry and Physics, Elsevier, U.K.</i> , 101, 163- 169 (2007).
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85.	Dilute aqueous 1-butyl-3-methylimidazolium hexafluorophosphate: properties and solvatochromic probe behaviour, M. Ali, A. Sarkar, M. Tariq, A. Ali , and S. Pandey, <i>Green Chemistry, The Royal Society of Chemistry</i> , 9, 1252 – 1258 (2007).
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87.	Surface thermodynamic behaviour of benzene + 1,1,2,2-tetrachloroethane at different temperatures: An experimental and theoretical study, A. Ali and M. Tariq , <i>Physics and Chemistry of Liquids, Taylor & Francis</i>

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38. Physicochemical studies on the micellization behavior of amphiphilic drug – surfactant systems in aqueous medium, A. B. Khan and **A. Ali***, *International Conference on Interface between Chemistry and Environment (ICICE), December 13 to 14, 2012* (Department of Chemistry, Ramjas College, University of Delhi).
39. Cetrimide-lysine interaction in aqueous medium : a conductometric approach, N. A. Malik, S. Uzair, and **A. Ali***, *International conference on chemistry frontiers and challenges, March 2-3, 2013* (Department of Chemistry Aligarh Muslim University)
40. Conductometric and Fluorometric investigation of interaction of amino acid (Leucine) with anionic surfactant, Sodium Dodecyl Sulphate at different temperatures in aqueous medium, N. A. Malik, S. Uzair, P. Bidhuri and **A. Ali***, *Chemistry in Interdisciplinary applications, March 19, 2013* (Department of Chemistry Hans Raj College (D.U. University), New Delhi)
41. Study of Tetrabutylammonium bromide in water and in aqueous tartrazine at different temperatures, S. Uzair, N. A. Malik, and **A. Ali***, *Acoustics 2013 New Delhi -Technologies for a quieter India, November 10-15, 2013* (CSIR-National Physical Laboratory, New Delhi)

13. Number of Ph.Ds. Guided : 27

S. No.	Name	Topic	Year
1.	Dr. Anil Kumar Nain	Thermodynamic Studies of Surfactants and Simple Electrolytes	1996
2.	Dr. Kusum Tiwari	Molecular Interactions in Binary and Ternary Mixtures	1998
3.	Dr. Soghra Hyder	Physico – chemical Study of Molecular Interactions in Binary and Ternary Liquid Mixtures	1999
4.	Dr. Vinod Kumar Sharma	Study of Intermolecular Interactions in Binary and Ternary Liquid Mixtures	2001
5.	Dr. Narender Kumar	Physico – chemical Studies of Solvent – Solvent and Ion – Solvent Interactions in	2002

		Binary and Ternary Mixtures	
6.	Dr. Abida	Study of Intermolecular, Ion – Solvent and Surfactant – Solvent Interactions in Binary and Ternary Liquid Mixtures	2002
7.	Dr. Bhajan Lal	Thermophysical and Sonochemical Behaviours of Some Organic Liquid Mixtures	2004
8.	Dr. Shahla Khan	Interactions of Biomolecules with Hydrophobic / Hydrophilic Solutes in Aqueous and Aqueous + Alkanols / Diols / Triols	2005
9.	Dr. Pooja Sharma	Synthesis of Alkaline Earth Aluminate Phosphors by Various Routes of their Luminescence Characteristics	2005
10.	Dr. Dinesh Chand	Intermolecular Interactions in Binary Liquid Mixtures Containing Alkanes, Aromatic Hydrocarbons and Higher Alkanols	2005
11.	Dr. Mohd. Tariq	Physico – chemical Studies in Binary Non – aqueous Liquid Mixtures and in Ternary Mixtures of Biomolecules	2007
12.	Dr. Saba Sabir	Physico – chemical Studies of Biomolecules in Aqueous Electrolyte and Aqueous Non – electrolyte Mixtures	2007
13.	Dr. Firdosa Nabi	Study of Molecular Interactions in Some Organic Binary Liquid Mixtures and in Mixtures Containing Industrially Important Monomers	2008
14.	Dr. Shahjahan	Physico-chemical Study of Interactions of Biomolecules in Aqueous/ Non-aqueous Solutions Containing Surfactants/ Tetraalkylammonium Halides	2008
15.	Dr. Rajan Patel	Interactions of Amino Acids with Carbohydrates and Biologically Important Dyes in Aqueous Medium	2009
16.	Dr. Firdoos Ahmad Itoo	Physico-chemical behaviour of amino acids and dyes in aqueous solutions of surfactants	2010
17.	Dr. Rajni Sharma	Experimental and Theoretical Studies of Molecular Interactions in Multicomponent Systems Containing Industrially Important Organic Solvents	2010
18.	Dr. Nizamul Haque Ansari	Thermophysical Studies on Amino Acids and Small Peptides with Surfactants in Aqueous Medium	2010

19.	Dr. Shadma Tasneem	Thermodynamic and Transport Studies of Organic Binary Liquid Mixtures and Mixtures of Amino Acids in Aqueous Surfactants/ Carbohydrates	2011
20.	Dr. Vidiksha Bhushan	Thermophysical and Thermoacoustical Behaviour of Liquid Mixtures and Mixtures of Amino Acids in Aqueous Surfactants	2012
21.	Dr. Mohammad Faiz Ahmad	Physico-chemical Characterization of Als Protiens from Candida Albicans	2013
22.	Dr. Sana Ansari	Experimental and Theoretical Studies of Molecular Interactions in Non-aqueous Binary Mixtures of Industrially Important Organic Solvents	2013
23.	Dr. Priyanka Bidhuri	Thermodynamic and Transport Studies of Amino Acid – Carbohydrate Interactions in Aqueous Medium	2013
24.	Dr. Nisar Ahmad Malik	Thermodynamic and Transport Studies of Amino Acid - Surfactant and Surfactant – Surfactant Interactions in Aqueous Medium	2014
25.	Dr. Sahar Uzair	Study of Dye-Surfactant and Dye- Amino Acid Interactions in Aqueous Medium	2015
26.	Dr. Jitender Kumar Maurya	Interactions of Gemini Surfactants with Amino-Acids and their Effect on Proteins in Aqueous Medium	2015
27.	Dr. Ummer Farooq	Study of interactions of ionic liquids with antidepressant drugs and surfactants in aqueous medium	2017

Number of Post-Doctoral Fellows Guided: 04 : 01Young Scientist, 01Under Dr.Kothari Fellowship, 02 Research Associates (CSIR).

14. Major Research Projects Completed: 03

S. No.	Project Title	Funding Agency	Duration	Amount (Rs.)
1.	Physico – chemical Studies of Electrolytes and Surfactants in Mixed Solvents	University Grants Commission, New Delhi	01. 02. 1995 to 31. 01. 1999	2,04,000 / -

2.	Physico – chemical Study of Solvent – Solvent and Solute – Solvent Interactions in Binary and Ternary Mixtures	Department of Science and Technology, New Delhi	20. 09. 2000 to 31.12. 2003	7,04, 823 / -
3.	Study of Amino Acid – Surfactant/ Carbohydrate Interactions in Aqueous Medium	University Grants Commission, New Delhi	01.04.2008 to 31.03.2011	6,17,800 /-

15. Invited Talks – National Seminar / Conferences

16. Chaired, Co-Chaired Sessions -National and International Conferences/ Symposia.

17. Reviewer of Research Papers of various Journals:

Reviewer of More than 22 National and International Journals.

Certificate of Excellence in Reviewing, Awarded by: Editorial Board, Journal of Molecular Liquids, Elsevier, 2013.

18. Association with Academic Societies :

1. Life Member of Indian Chemical Society (LM-4543)
2. Life Member of Ultrasonic Society of India (LM-101)
3. Life Member of Acoustical Society of India (LM-596)
4. Member of Board of Studies (BOS)of Chemistry of different universities.

19. Evaluated Ph.D. Theses and Conducted Viva-voce examinations of a number of Universities and Institutes.

20. Member of Selection Committees of various Institutions/ Universities/ Commissions.

(Anwar Ali)