

## BIO-DATA

Name : **SYED MUMTAZUDDIN**  
Date of Birth : 29<sup>th</sup> June, 1959  
Nationality : Indian  
Address : Syed Mumtazuddin  
Tin Kothia, Jail Road,  
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Bihar (India)  
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### **Academic Qualification:**

Examination	Year	Board/University	Div./Class	% Marks
Matriculation (XI)	1973	B.S.E.B., Patna	1 <sup>st</sup>	<b>69%</b>
I.Sc.	1975	Bihar University, India	1 <sup>st</sup>	<b>71%</b>
B.Sc. (Chem. Hons.)	1977	Bihar University, India	1 <sup>st</sup> (1 <sup>st</sup> in Univ.)	<b>72%</b>
M.Sc. (Chemistry : Org. Chem. as special)	1979	Bihar University, India	1 <sup>st</sup>	<b>69%</b>
Ph.D	1989	Bihar University, India	Awarded	
Title of Ph. D. Thesis :- Experiments on the syntheses and reactions of some Azepines.				

### **Job History :-**

Nov. 1982 - Nov. 1990 : Lecturer in Chemistry, M.S.S.G. College, Areraj & L.S. College, Bihar University, Muzaffarpur, Bihar (India).  
Nov. 1990 - June 1996 : Reader in Chemistry, L.S. College, Bihar University, Muzaffarpur, Bihar (India).  
June 1996 - Nov. 1998 : Reader in Chemistry, University (P.G.) Department of Chemistry, B.R.A. Bihar University, Muzaffarpur, Bihar (India).  
Nov. 1998 – Jan. 2014 : **University Professor** of Chemistry, University (P.G.) Department of Chemistry, B.R.A. Bihar University, Muzaffarpur, Bihar (India).  
**1 Feb. 2014 - 23 January 2017 : Pro Vice-Chancellor, Lalit Narayan Mithila University, Darbhanga.**  
**25 Jan. 2017- Present : Vice Chancellor. Veer Kunwar Singh University, Ara.**

### **Administrative Experience:**

- **Secretary, Sports Council**, B.R.A. Bihar University, Muzaffarpur, Bihar (India) from July 2002 to August 2009.

- **Director**, UGC Sponsored Coaching for NET for SC, ST and Minority Students in 2009.
- **Pro-Vice Chancellor**, L. N. Mithila University, Darbhanga. from 01.02.2014 to 23.01.2017
- **Vice Chancellor**, Veer Kunwar Singh University, Ara from 25.01.2017 to present

**Professional Training & Participation in Workshop/Seminar/Conference :**

1. Orientation course for teachers sponsored by University Grants Commission of India in 1990.
2. Refresher course in Chemistry sponsored by University Grants Commission of India in 1990.
3. Three months Research Programme on Synthetic Organic Chemistry at Central Drug Research Institute, Lucknow, India in 1993.
4. Participated in a National Seminar on Spectroscopy organized by University Grants Commission at Bihar University, Muzaffarpur in 1985.
5. Presented a paper in the 41st Annual Convention of Chemists 2004 organised by Indian Chemical Society at University of Delhi, Delhi.
6. Participated in the National workshop on "Green Chemistry" held on 25 & 26 February 2005 sponsored by Department of Science & Technology at I.I.T. Guwahati, Guwahati.
7. Presented a paper in the 24th conference of Indian Council of Chemists at B.I.T. Mesra, Ranchi in 2005.
8. Participated in the IUPAC Sponsored Second International Symposium on Green/Sustainable Chemistry at Department of Chemistry, University of Delhi, Delhi in 2006.
9. Was Organising Secretary of the UGC Sponsored National Seminar on Photochemistry and Laser in Chemistry held on 22 & 23 March, 2007 at University Department of Chemistry, B.R. Ambedkar Bihar University, Muzaffarpur, (Bihar).
10. Presented a paper in the 9th International Conference on Desert Technologies held at Douz, Tunisia from November 12 to November 16, 2008.
11. Presented a paper in the 4<sup>th</sup> Bihar Science Conference held at L. S. College, Muzaffarpur (Bihar) on 11 to 13 March, 2011.
12. Presided a technical session in the 4<sup>th</sup> Bihar Science Conference held at L. S. College, Muzaffarpur (Bihar) on 11 to 13 March, 2011.
13. Presented a paper in the National Seminar on ‘ Emerging Trends in Green Chemistry’ held from 15-17<sup>th</sup> October, 2011 at A.N. College, Patna (Bihar).
14. Was Organising Secretary of the U.G.C. Sponsored National Seminar on “Molecules: Engines of Creation” held at University Department of Chemistry, B.R.A. Bihar University, Muzaffarpur (Bihar) on 23<sup>rd</sup> December, 2011 and also presented a paper in the same.
15. Participated and presented a paper in the 4<sup>th</sup> International Conference on “Life Science Research for Rural & Agricultural Development [ICLRAD-2011]” organized by MSET-ICCB, Ranchi, CPRS, Patna & IPA, Shimla held at CPRS, Patna (Bihar) from 27-29<sup>th</sup> December, 2011.
16. Participated and presented a paper in the National Seminar on “Chemistry and Life” organized by C.M.P.D. College, Allahabad and sponsored by D.A.E. Mumbai at Allahabad on 16-17<sup>th</sup> September, 2012.
17. Presented paper in the 5<sup>th</sup> Bihar Vigyan Congress organized by Bihar Council on Science & Technology (Department of Science & Technology, Govt. of Bihar), held during 27-29 Nov., 2012 at IGSC-Planetarium, Patna.
18. Participated and paper presented in the 100<sup>th</sup> Indian Science Congress-2013 held at Kolkata during January 3-7, 2013.

19. Delivered an invited lecture in the National Seminar cum Workshop on “Molecular Biology Techniques” held in the University Department of Botany, B. R. A. Bihar University, Muzaffarpur (Bihar) during March 4-9, 2013.
20. Participated in the Indian Science Congress-2014 held at University of Jammu during February 3-7, 2014.
21. Delivered an invited lecture in the National Symposium on “Recent Scenario and Advancement in Cancer Research” held on 22<sup>nd</sup>-23<sup>rd</sup> March, 2014 at Hotel Patliputra Ashoka, Patna, organized by S. S. Hospital & Research Centre, Patna, Bihar and sponsored by DST, Ministry of Science & Technology, Govt. of India, New Delhi.
22. Participated in the scientific deliberation as a Chairperson in the National Symposium on “Recent Scenario and Advancement in Cancer Research” held on 22<sup>nd</sup>-23<sup>rd</sup> March, 2014 at Hotel Patliputra Ashoka, Patna, organized by S. S. Hospital & Research Centre, Patna, Bihar and sponsored by DST, Ministry of Science & Technology, Govt. of India, New Delhi.
23. Presided approx. 20 National Seminars at different University Departments of L.N. Mithila University, Darbhanga.
24. Delivered a lecture in the UGC Sponsored Seminar on “Research Methodology” at P.G. Deptt. of Sociology, LNMU on 22.01.2015
25. Delivered a lecture in the NAAC Sponsored Seminar at R.N.A.R. College, Samastipur on “E- Governance & Transformational Leadership” in March 2015.
26. Delivered a lecture in the Workshop on “Research Methodology” at C.M. College, Darbhanga on the topic “How to Conduct Research” in Feb. 2015.
27. Delivered a lecture in the UGC Sponsored Lecture Series in the Equal Opportunity Cell of L.N.M. University, Darbhanga on the topic “My Advice and Your Endeavour: Key to Success” on April 14, 2015.
28. Presided a session in the UGC Sponsored Workshop in the Equal Opportunity Cell of L.N.M. University, Darbhanga in April, 2015
29. Delivered a lecture in the NAAC Sponsored Seminar at L. N. M. University on “Student Support & progression in Colleges” on April 29, 2015
30. Presided a session and delivered an invited lecture in the UGC Sponsored Seminar at Department of Mathematics, Jamunilal College, Hajipur on “Mathematics and its application in Chemistry” on 16<sup>th</sup> May, 2015

#### **Research Experience :**

1. Over thirty years of Research Experience in various fields of Organic & Environmental Chemistry.
2. Nineteen students, Harish Kumar, Leena Kumari, N.L. Choudhary, Ajay Kumar Singh, Kajal Kumari, Surendra Kumar, Kumari Shikha, Arun Kumar Gautam, Kumari Vandana, Lal Babu Rai, Shailendra Kumar Sinha, Manoj Kumar, Rajeev Ranjan, Amrita Kumari, Prabhat Bharti, Md. Abul Kalam Azad, Rahila Firdaus, Wasi Ahmad and Ehtesham Jameel have so far done Ph.D. under my supervision.
3. Carried out research work on Water Pollution as Principal Investigator under Major Research Project Scheme of University Grants Commission during 02.01.2011 to 31.01.2014.

#### **Books Authored:**

- Inorganic Lab Manual, Atlantic Publishers, New Delhi – 2009.
- Organic Chemistry: A Laboratory Manual, Narosa Publishing House, New Delhi and Alpha Science International Ltd, Oxford, U.K. – 2013.

#### **Research Publications :**

1. S. Mumtazuddin, S. Nizamuddin & Sunil Kumar Singh, Synthesis and a few reactions of 1, 5-dioxo-2, 4-dihydro-3-benzothiepin-2, 4-diethyl carboxylate, Proc.Nat.Acad.Sci, India 58(A), II, 1988.
2. S. Mumtazuddin, S. Nizamuddin & Sunil Kumar Singh, Synthesis and a few reactions of 2, 4-dihydro-3-benzo and naphtho (1, 2-d) thiepin-1, 5-diones, Indian Journal of Chemistry Vol. 28B, pp. 589-91, July - 1989.
3. S. Mumtazuddin, S. Nizamuddin & Sunil Kumar Singh, Synthesis of novel Dibenzo [b,e] thiepin-6, 11-dione and 11-methylenedibenzo [b,e] thiepin-6-one, Indian Journal of Chemistry, Vol. 29B, pp 734-746, August 1990.
4. S. Mumtazuddin, S. Nizamuddin & Sunil Kumar Singh, Synthesis and a few reactions of 2,4-dihydro-1,5-dioxo-3-benzazepine-2,4-diethylcorboxylate, Proc. Nat.Acad.Sci. India, 62(A), IV, 1992.
5. S. Mumtazuddin, Vishnu J. Ram, Pragya, Navedul Haque, Falak A. Hussaini, Aboo Soeb and Amiya P. Bhaduri, Ring transformation reactions. Part 3, Facile Synthesis of 2-Iminopyridines, Journal of Chemical Research (S), pp 354-355, 1994.
6. S. Mumtazuddin, M.K. Hamidi & K.K. Ambasta, Variability of total phenolics during the germination of *Vicia faba* seeds, Anusandhaan- Vol. II, No. 3, pp. 1-3, 2000.
7. S. Mumtazuddin & S. Ehteshamuddin, Effect of metal poisoning on total body protein in *Sphaerodema rusticum* (*Belostomatidae; Hemiptera*), Research Journal of Chemistry and Environment, pp. 49-51, Vol. IV(4), 2000.
8. S. Mumtazuddin, A new Spectrophotometric method for the assay of plant phenolics, Asian J. Chem., Vol. 16, No. 2, 1203-1204, 2004.
9. S. Mumtazuddin & S. Ehteshamuddin, Effect of metal poisoning on total body ascorbic acid in *Sphaerodema rusticum* (*Belostomatidae : Hemiptera*), Indian J. Environ. & Ecoplan., 10(1), pp. 83-86, 2005.
10. S. Mumtazuddin, Assay of Total Phenolics in some common spices, Asian J. Chem., Vol. 17, No. 2, 1307-1308, 2005.
11. S. Mumtazuddin & S. Ehteshamuddin, Effect of metal poisoning on total body carbohydrate in *Sphaerodema rusticum* (*Belostomatidae : Hemiptera*), Indian J. Environ. & Ecoplan., 10(3), pp. 761-766, 2005.
12. S. Mumtazuddin, Fast synthesis of some flavones under mirowave irradiation, J. Indian Chem. Soc, Vol. 83, pp. 835-837, 2006.
13. S. Mumtazuddin and S.K. Sinha, Perkin reactions under microwave irradiation, Asian J. Chem., Vol. 19, No. 6, 4945-4947, 2007.
14. S. Mumtazuddin and S.K. Sinha, Fast synthesis of coumarins by Perkin reaction under microwave irradiation, J. Indian Council Chem., Vol. 24, No. 1, 50-51, 2007.
15. S. Mumtazuddin, S.K. Sinha, Prabhat Bharti and Surendra Kumar, Facile transformation of 1, 2-diazines into pyrroles, J. Chemtracks, 10 (1 & 2), 155-156, 2008.
16. S. Mumtazuddin, Prabhat Bharti, Abul Kalam Azad and Arun Kumar Gautam, Transformation of xanthone into dibenzofuran under microwave irradiation, J. Chemtracks, 10 (1 & 2), 307-308, 2008.
17. S. Mumtazuddin, Prabhat Bharti, Abul Kalam Azad and Arun Kumar Gautam, Transformation of coumarins into benzofurans under microwave irradiation, J. Chemtracks, 10 (1 & 2), 317-320. 2008.
18. S. Mumtazuddin, Prabhat Bharti, Manoj Kumar, A.K. Gautam and Surendra Kumar, Synthesis of 2-methyldibenzo [b,e] azepin-6,11-dione and 11-methylene dibenzo [b,e] azepin-6-one, J. Chemtracks, 11(1), 235-238, 2009.
19. S. Mumtazuddin, Abul Kalam Azad, Manoj Kumar and A.K. Gautam, Determination of Physico-chemical parameters in some ground water samples at Muzaffarpur town, Asian Journal of Chemical and Environmental Research, 2(1-2), 18-20, 2009.
20. S. Mumtazuddin, R. Jaya Prakash, K. Perumal and Sanjay Kumar, Increasing energy efficiency of inorganic salt gradient solar pond in Thar desert by inclusion of complementary support system, Journal of Arid Land studies, 19-1, 13-16, 2009.

21. S. Mumtazuddin, Abul Kalam Azad and Manoj Kumar, Assesment of water quality of Budhi Gandak River at Muzaffarpur, Bihar, India, *Int. J. Chem. Sci.* 7(4), 2429 - 2433, 2009.
22. S. Mumtazuddin, Prabhat Bharti, N.L. Choudhary, Harish Kumar, Lal Babu Rai and Amrita Kumari, Synthesis of 3, 4-Dihydro-1-Benzazepine 2, 5-diones and their few derivatives, *J. Chemtracks*, 11(2), 501-504, 2009.
23. S.Mumtazuddin, A. K.Azad and Prabhat Bharti, Assessment of some Physico-chemical parameters and heavy metals in some groundwater samples at Muzaffarpur town during Pre-monsoon, *Biospectra: Vol. 6(2)*, 129-136, 2011.
24. S. Mumtazuddin, A. K. Azad, Kaushal Kabir, Kanhaiya Jee and Amjad Ali, Water quality assessment of Oxbow lake of Sikanderpur at Muzaffarpur town in Bihar state in the month of September, 2011, *J.Chemtracks*, 13(2), 379-384, 2011.
25. S. Mumtazuddin, A. K. Azad, N. L. Choudhary and S. K. Sinha, Assessment of some Physico-chemical parameters and heavy metals in some groundwater samples along the Budhi Gandak belt from Akharaghat to Musahari of Muzaffarpur district during pre-monsoon season, 2011, *J.Haematol. & Ecotoxicol.*, 6 (2), 36-45, 2011.
26. S. Mumtazuddin, A. K. Azad and Manoj Kumar, Assessment of some Physico-chemical characteristics and heavy metals in some groundwater samples along the Budhi Gandak belt of Muzaffarpur district during monsoon season, 2011, *Nature Environment and Pollution Technology*, 11 (2), 293-296, 2012.
27. S. Mumtazuddin and A. K. Azad, Removal of Arsenic using mango, java plum and neem tree barks, *IJAPBC*, 1 (3), 372-376, 2012.
28. S. Mumtazuddin, A. K. Azad, Prabhat Bharti and Rakesh Ranjan, Physico-chemical analysis of groundwater of the Budhi Gandak belt in Muzaffarpur district, India, *I. Res. J. Environment Sci.*, 1(1), 7-11, 2012.
29. S. Mumtazuddin, A. K. Azad and Ravi Ranjan, Use of mango leaves for the qualitative and quantitative determination of iron in water, *Asian Journal of Chemical and Environmental Research*, 5(1-2), 20-22, 2012.
30. S. Mumtazuddin, A. K. Azad and Manoj Kumar, Evaluation of groundwater of the Budhi Gandak belt from Musahri to Dholi in Muzaffarpur district during monsoon, *Recent Life Sc. Mirror*, 1 (1), 25-32, Sept. 2012.
31. S. Mumtazuddin, A. K. Azad and N. L. Choudhary, Removal of copper (II) from aqueous solutions using *Leucas aspera* leaf powder, *Res.J.Chem.Environ*, 16 (4), 46-50, 2012.
32. S. Mumtazuddin, A. K. Azad, Rahila Firdaus and Amrita Kumari, Quality of bottled drinking water and RO purifier brands marketed in Muzaffarpur city, India, *Asian Journal of Chemical and Environmental Research*, 5(3-4), 5-8, 2012.
33. S. Mumtazuddin, A. K. Azad, Rahila Firdaus and Amrita Kumari, Water Quality Evaluation in Some Groundwater Samples along the Budhi Gandak Belt of Kanti Block in Muzaffarpur District during Post-Monsoon Season, 2012, *J. Chem. Bio. Phy. Sci. Sec. D*, 3 (1), 605-611, 2012-2013.
34. S. Mumtazuddin, A. K. Azad, Wasi Ahmad and Prabhat Bharti, Facile transformation of cinnolines into indoles, *International Journal of Pharmaceutical and Chemical Sciences*, 2 (2), 982-983, 2013.
35. S. Mumtazuddin and A. K. Azad, Biosorption: An efficient option for metal removal from contaminated water- a review, *Recent Life Sc. Mirror*, 2 (1), 1-10, March 2013.
36. S. Mumtazuddin, A. K. Azad and Rahila Firdaus, Removal of copper (II) from aqueous solutions using chalk powder, *Orient. J. Chem.*, 29 (2), 713-717, 2013.
37. S. Mumtazuddin, A. K. Azad and Rahila Firdaus, Monitoring of groundwater samples along the Budhi Gandak belt from Akharaghat to Musahri of Muzaffarpur district during pre-monsoon season, 2012, *J. Chemtracks*, 15 (1), 227-232, 2013.

38. S. Mumtazuddin and A. K. Azad, A novel oxidation-adsorption method for the removal of arsenic from aqueous solution, International Journal of Research in Pharmacy and Chemistry, 4(4), 868-872, 2014.
39. S. Mumtazuddin, A. K. Azad and Priti Kana Karn, Spatial and temporal variations in ground water samples along Budhi Gandak belt of Muzaffarpur district, Bihar, India, International Journal of Chemical Studies, 2(2), 88-94, 2014.
40. S. Mumtazuddin, Waseem A. Wani, Ehtesham Jameel, Umair Baig and Lee Ting Hun, Ferroquine and its derivatives: New generation of antimalarial agents (Review article), European Journal of Medicinal Chemistry, 101, 534-551, August 2015.

#### **Awards & Achievements :**

1. Awarded Jr. Research Fellowship by Council of Scientific and Industrial Research of India in 1982.
2. Awarded Indian National Merit Scholarship throughout the University Career.
3. Became **Reader and Professor under Merit promotion schemes.**
4. Nominated among the 'Best Citizens of India' by International Publishing House, New Delhi in 2005.
5. Awarded financial assistance under **Major Research Project** Scheme by University Grants Commission in 2011.
6. Conferred Senior Scientist Award-2011 under Prof. J.N.Chatterjee memorial chair by International Consortium of Contemporary Biologists & Madhawi-Shyam Educational Trust.
7. Elsevier publications, Netherlands and Science Direct have certified that my paper titled "Ferroquine and its derivatives : New Generation of Antimalarial Agents" published in European Journal of Medicinal Chemistry volume 101 was ranked 6<sup>th</sup> on the top 25 list of most downloaded articles for European Journal of Medicinal Chemistry – July to September, 2015.

#### **Memberships :**

- O Fellow, International Congress of Chemistry and Environment (FICCE).
- O Life member, Indian Science Congress.
- O Fellow, Indian Chemical Society.
- O Fellow, Indian Council of Chemists.
- O Life member, Association of Chemistry Teachers, Mumbai (India).
- O Life Fellow, Madhawi – Shyam Educational Trust (FMSET).
- O Life Fellow, International Consortium of Contemporary Biologists (FICCB).
- O Fellow member, International Science Congress Association (FISCA)
- O Life member, Recent Life Science Mirror.
- O Managing Editor, Recent Life Science Mirror.
- O Member, Editorial Board, International Research Journal of Environmental Sciences.
- O Member, Editorial Board, Oriental Journal of Chemistry.

#### **Extra-curricular Activities :**

1. Was captain of College, University and District Cricket Teams.
2. Represented Bihar State in Indian National Ranji Trophy Cricket Tournament.
3. Represented an East Zone Cricket Team in England in 1995.
4. Life member, Bihar Cricket Association.
5. Interim President, Bihar Cricket Association.