

CURRICULUM-VITAE

PERSONAL DETAILS

Name	Najam Sardar
Date Of Birth	15/01/1973
Date of joining as Lecture	19.08.2000
Date of Joining as Reader	11.08. 2006
Date of joining as Associate Professor	11.08. 2009
Address for Correspondence	Deptt. of Petroleum Studies Z. H. College of Engineering and Technology A. M. U. Aligarh, Aligarh, 202 002 INDIA Ph: +91 571 2721177 Email: e-mail :nsardar@rediffmail.com

EDUCATION

PhD. in Petroleum Studies from AMU in 2014

Title of PhD. Thesis Studies on Polymers and Gemini Surfactants Interaction

1999 M.Tech (Petrochemicals), Institute of Petroleum Studies
and Chemical Engg, AMU, Aligarh, India -First
Division(Hons.) - 82.36%.

1996 B.Tech., Chemical Engineering, AMU., Aligarh, India
(First Division Hons.) 77.90%.

Working as Associate Professor, Department of Petroleum Studies, AMU, Aligarh.

TOTAL TEACHING EXPERIENCE

UG courses 15 years

PG courses 15 years

RESEARCH INTEREST

Studies on Polymers and Surfactant Interactions

Oil Sludge Remediation

PROFESSIONAL MEMBERSHIP AND AFFILIATIONS

1. Member of Indian Institution of Chemical Engineers

ACADEMIC RESPONSIBILITIES/PROFESSIONAL ACTIVITIES

1. Co-ordinator M. Tech (Petroleum Processing and Petrochemical Engg.) Course
2. Worked as Chief Tabulator for M.Tech (Petroleum Processing and Petrochemical Engg.)
3. In-charge Instrumentation and Process Control Lab
4. Coordinator, M. Tech (Petroleum Processing and Petrochemical Engg.) Program and Departmental Test, 2013-14 and 2014-15.
5. Member of Departmental Research Committee

PAPERS PRESENTED / SUBMITTED IN CONFERENCES

1. S. Ali, N. Sardar, S. Umar, Computer Aided Interactive Experimentation on Fluid Mechanics Experiment. In Proceedings of National Convention on Vocationalization of Computer Education, AMU, Aligarh. pp39-43, 1996

2. H. Ali, N. Sardar, M. A. Quraishi, A Study on some new Acidizing Inhibitors on Corrosion of N-80 Alloy in 15% hydrochloric acid in boiling conditions. In proceedings of 5th National Convention on Corrosion, 1999.
3. H. Ali, N. Sardar, M. A. Quraishi, Inhibition of Corrosion from crude petroleum, In Proceedings of 8th Annual Indian Oil & Gas Review Symposium (IORS 2001), Mumbai, sept.10-11, 2001, pp178-182.
4. N. Sardar, H. Ali and M. A. Quraishi, Studies on Corrosion Inhibitors for Straight run naphtha-An Experimental Study, In Proceedings of CORCON 2001, Bangalore, 2001.
5. H. Ali, N. Sardar and M.A. Quraishi, Studies on Corrosion Inhibition for Petroleum Crudes, In Proceedings of CORCON 2001, Bangalore, 2001.
6. N. Sardar, H. Ali and M.A. Quraishi, Corrosion Additives for quality Fuels kerosene and Diesel, In Proceedings of 3rd International Symposium on Fuels and Lubricants (ISFL 2002), Oct.7-9,2002,New Delhi.
7. H. Ali, N. Sardar and M.A Quraishi, Corrosion Additives for Petroleum Crudes, In Proceedings of 5th International Petroleum Conference and Exhibition, Petrotech-2003, paper No.1031, Jan.9-12,2003, New Delhi.
8. M. Kamil and N. Sardar, Hydrogen : a source for Future Fuel, Proc. Of XXI National Convention of Chemical Engineers, Indian Chemical Industry Vision 2020, Organized by the IE(I) Udaipur Local Centre, Sept. 2-4, 2005.
9. N. Sardar and M. Kamil, Bioremediation: An Energy efficient solution to Oil Spills, in proceedings of All India Seminar on Energy Management in Process Industries, February 18-19, 2006, Aligarh.
10. N. Sardar, A. Busha and M. Kamil, "Energy conservation in a Chemical Industry", in proceedings of All India Seminar on Energy Management in Process Industries, February 18-19, 2006, Aligarh.
11. N. Sardar, M. Kamil, Bioremediation of Oil Spills, in proceedings of 5th international Symposium on Fuels and Lubricants (ISFL 2006), March 7-11, 2006, New Delhi.

12. N. Sardar, M. Y. Ansari, Shama and Vishakha, Adulterated Petrofuels – An Environmental Issue, in proceedings of All India Seminar on Advances in Environmental Science and Technology, February 15-16, 2008, Aligarh.
13. M. Y. Ansari and Najam Sardar,” Indian Fuel Policy And Environmental Challenges “,in proceedings of All India Seminar on Advances in Environmental Science and Technology, February 15-16, 2008, Aligarh.
14. N. Sardar, M. S. Ali, Kabir-ud-Din, M. Kamil, Interaction between Nonionic Polymer Hydroxypropylmethylcellulose and the cationic surfactant Hexadecyl trimethyl ammonium bromide, In Proceedings of National Conference on Advances in Petroleum Refining and Petrochemical Technologies, March 21, 2009, Deptt of Petroleum Studies, AMU, Aligarh.
15. M. Kamil and N. Sardar, Bio Fuels- Major Issues and Challenges, In Proceedings of International Conference on Emerging Technologies in Environmental Science and Technology, 26-28 October 2009, Department of Civil Engineering, AMU, Aligarh.
16. N. Sardar and R. Sardar, Green Corrosion Inhibitors- A Solution to the Environmental Challenges, In Proceedings of International Conference on Emerging Technologies in Environmental Science and Technology, 26-28 October 2009, Department of Civil Engineering, AMU, Aligarh.
17. N. Sardar, M. Kamil and Kabir-ud-Din, Studies on the Phase Behavior of Nonionic Polymer Hydroxypropylmethyl Cellulose: Effects of Salt, CHEMCON 2010, Indian Chemical Engineering Congress, 27-29 December 2010, Annamalainagar, India.
18. N. Sardar, M. Kamil and Kabir-ud-Din, Interaction between Cationic Gemini Surfactants/Conventional Surfactants with Ionic and Nonionic Cellulose Polymers by Specific Conductivity, International Conference on Chemistry: Frontiers and Challenges, 5 & 6th March, 2011, Department of Chemistry, A.M.U., Aligarh.

19. N. Sardar, M. Kamil and Kabir-ud-Din, Interactions between cationic gemini/conventional surfactants with hydroxypropylmethyl cellulose, 98th Indian Science Congress, 3-7 January 2011, SRM University, Tamilnadu, India.
20. N. Sardar and M. Kamil, Viscometric Studies on the Non-ionic Polymer Polyethylene glycol (PEG) in presence of Cationic Gemini Surfactant/Conventional surfactant, The Fourth International Chemistry Conference organized by Saudi Chemical Society and Chemistry Department, King Saud University, Riyadh, Saudi Arabia, Nov. 19-21, 2011.
21. M. Kamil and N. Sardar, Interaction of Sodium Carboxymethylcellulose-Gemini /Conventional surfactants by Conductivity Technique, The Fourth International Chemistry Conference organized by Saudi Chemical Society and Chemistry Department, King Saud University, Riyadh, Saudi Arabia, Nov. 19-21, 2011.
22. N. Sardar and M. Kamil, Interactions between Polyethyleneglycol (PEG) and Cationic Gemini/Conventional Surfactant by Conductivity method, PETROFEST-2011, National Seminar Cum Workshop for Students On “Indian Petroleum Resources and Petroleum Industry, Present Scenario and Future Prospects” organized by Delta Studies Institute, Andhra University, Visakhapatnam, 27-29, December, 2011.
23. R. Sardar and N. Sardar, Corrosion Control by Nanocomposite Coatings, In Proceedings of Ist National Conference on Recent Advances in Technology and Engineering (RATE-2012), January 20-22, 2012, organized by Institute of Engineerin and Technlogy, Mangalayatan University, Mathura Highway, Beswan, Aligarh.
24. Aishatul Bushra, Iram Arman and Najam Sardar, Rainwater Harvesting: A Solution to Water Crisis in Urban Areas, In Proceedings of Ist National Conference on Recent Advances in Technology and Engineering (RATE-2012), January 20-22, 2012, organized by Institute of Engineerin and Technlogy, Mangalayatan University, Mathura Highway, Beswan, Aligarh.

25. R. Sardar and N. Sardar, Natural products as a source of Environmental friendly corrosion inhibitor- A review, In Proceedings of National Conference on Energy and Environmental Issues related to Chemical Industries, (EEChem I-2012), February 18-19, 2012, Organized by Department of Chemical Engineering, Faculty of Engineering and Technology, Raja Balwant Singh College, Bichpuri, Agra.
26. N. Sardar, A. Bushra and Iram Arman, Municipal Solid Waste Management in India, In Proceedings of National Conference on Energy and Environmental Issues related to Chemical Industries, (EEChem I-2012), February 18-19, 2012, Organized by Department of Chemical Engineering, Faculty of Engineering and Technology, Raja Balwant Singh College, Bichpuri, Agra.
27. R. Sardar and N. Sardar, Green approach towards corrosion inhibition by some natural products, in National Conference in New Vistas in Chemistry, March 2-3, 2012, organized by Department of Chemistry, AMU, Aligarh.
28. R. Sardar and N. Sardar, Surfactants as Corrosion Inhibitors, In Proceedings of National Conference on Hydrocarbon, Energy and Environment (HEEcon - 2012) on February 25, 2012, organized by Department of Petroleum Studies, AMU, Aligarh.
29. R. Sardar and N. Sardar, CERAMIC NANOCOMPOSITE COATINGS FOR CORROSION PROTECTION , ALIGARH NANO- II, National Conference on Nanoscience and Nanotechnology, March, 10-12, 2012, organized by Department of Applied Physics, Z. H. College of Engg. & Tech., AMU.
30. Najam Sardar and Rana Sardar, Environmental Applications of Surfactants: A Review, in National Conference On “Emerging Trends in Engineering, Technologies & Sciences for Sustainable Development” (ETETSSD – 2012) Organized by “Krishi Sanskriti” On 5th & 6th June 2012 Venue: School of Social Sciences Auditorium, Jawaharlal Nehru University, New Delhi 110067.
31. Faizan Ahmad and Najam Sardar, Studies on the Interaction between Hydroxypropylmethyl cellulose (HPMC) and Mixed cationic Surfactants,

- National Workshop on Advances in Polymeric Materials, On 21-22 September 2013, organized by deptt. Of Applied Chemistry, AMU, Aligarh.
32. R. Sardar and N. Sardar, Polymer Nanocomposite Coatings for Corrosion Control, International Conference on Nanoscience & Nanotechnology, "Aligarh Nano-IV International 2014, organized by Department of Applied Physics, Aligarh Muslim University, Aligarh, held on March 8th -10th, 2014.
 33. Priya Pal and Najam Sardar, Studies on Solution Behavior of Polyacrylic acid (PAA) in Presence of Additives, in National Symposium on Chemistry, 22 March 2014, organized by Department of Chemistry, AMU, Aligarh.
 34. Sunil Kumar and Najam Sardar, Studies on the Interaction between Polyethylene oxide (PEO) and Gemini/conventional Cationic Surfactants, in National Symposium on Chemistry, 22 March 2014, organized by Department of Chemistry, AMU, Aligarh.
 35. Huma Siddiqui and Najam Sardar, Role of Bio-Surfactants in Petroleum Industry, In National Conference on Nanotechnology and renewable Energy (NCNRE-14), April 28-29, 2014, organized by Department of Applied Sciences and Humanities, Faculty of Engineering and Technology, Jamia Millia Islamia, New Delhi-110025.
 36. Priya pal and Najam sardar, Studies on Solution behavior of Polyacrylic Acid (PAA) in presence of Additives, International Conference on CHEMICAL ENGINEERING - EMERGING DIMENSIONS AND CHALLENGES AHEAD & Indo japanese Symposium on SEPARATION TECHNOLOGY FOR GREEN ENVIRONMENT CHEMCON-2014, December 27-30, 2014, organized by Chandigarh Regional Centre, Indian Institute of Chemical Engineers, Chandigarh.
 37. Sunil Kumar and Najam Sardar, Studies on Polyethylene (PEO) and CTAB Interactions, International Conference on "Chemical, Environmental, Bioprocess, Textiles, Mining, Material and Metallurgical Engineering" (CEBTME -2015), 17-18 January, 2015, organized by Krishi Sanskriti, JNU, New Delhi.

38. Mohammad Hamza and Najam Sardar, STUDIES ON DEVELOPMENT OF LOW COST INSTRUMENT FOR VOC MONITORING IN AMBIENT AIR, National Conference on Hydrocarbon, Energy and Environment (HEEcon-2015), organized by Department of Petroleum Studies AMU, April 25, 2015
39. Saqib Yar Khan and Najam Sardar, INTERACTION BETWEEN XANTHAN GUM AND SDS: A RHEOMETRY STUDY, National Conference on Hydrocarbon, Energy and Environment (HEEcon-2015), organized by Department of Petroleum Studies AMU, April 25, 2015.
40. Afreen Nishat and Najam Sardar, INTERACTION OF POLYACRYLAMIDE WITH CATIONIC GEMINI SURFACTANTS/CONVENTIONAL SURFACTANT, National Conference on Hydrocarbon, Energy and Environment (HEEcon-2015), organized by Department of Petroleum Studies AMU, April 25, 2015.
41. Mohammad Hamza and Najam Sardar, Development of low cost sensors for VOC monitoring in ambient air, International Symposium on Fusion of Science & Technology (ISFT-2016), 18-22 January, 2016 at NASC Complex, Pusa Road, New Delhi.

PUBLICATIONS IN JOURNALS

1. M. A. Quraishi, N. Sardar and H. Ali, A Study of some new Acidizing Inhibitors on Corrosion of N-80 Alloy in 15% boiling hydrochloric acid, Corrosion, vol.58, No.4, April 2002, pp317-321.
2. M. Kamil and N. Sardar, Bio Fuel Production from Biomass : Future Prospects and Conversion Technologies. Journal of Petrotech Society March 2006.
3. M. Kamil, N. Sardar and M. Y. Ansari, Experimental Study on Adulterated gasoline and Diesel Fuels, IE(I) Journal-CH, Vol 89 (2008) 23-28.
4. N. Sardar, M.S. Ali, M.Kamil and Kabir-ud-Din, Phase behavior of nonionic polymer hydroxypropylmethyl cellulose: effect of gemini and single-chain

- surfactants on the energetics at the cloud point. *J. Chem. Eng. Data* 2010, 55, 4990-4994.
5. N. Sardar, M. Kamil and Kabir-ud-Din and M. S. Ali, The Solution Behavior of Nonionic Polymer Hydroxypropylmethyl Cellulose: Effect of Salts on the Energetics at the Cloud Point. *J. Chem. Eng. Data* 2011, 56, 984-987.
 6. N. Sardar, M. Kamil and Kabir-ud-Din, Interaction between Nonionic Polymer (Hydroxypropyl)methyl Cellulose and Cationic Gemini/Conventional Surfactants, *Ind. & Eng. Chem. Res.* 2012, 51, 1227–1235.
 7. N. Sardar, M. Kamil and Kabir-ud-Din, Solution Behavior of Anionic Polymer Sodium Carboxymethyl cellulose (NaCMC) in Presence of Cationic Gemini/Conventional Surfactants, *Colloids Surf. A (ISSN 0927-7757)*, 415 (2012) 413-420.
 8. N. Sardar, M. Kamil and Kabir-ud-Din, Interactions between Polyvinylpyrrolidone and Cationic Gemini/ Conventional Surfactants, *Chem. Eng. Commn.*, (ISSN 0098-6445) 200 (2013) 1-18.
 9. Mohd. Imran and Najam Sardar, Oil Sludge: A Challenge to Environment, *International Journal of Applied Engg. Research (ISSN 0973-4562)*, vol 8, number 7, 2013, p 61-65.
 10. Huma Siddiqui, Najam Sardar, M. Y Ansari, Hydrogen Management in Refineries using Pinch Analysis, *International Journal of Applied Engg. Research (ISSN 0973-4562)*, vol 8, number 6, 2013, p 21-25.
 11. Mohd. Imran and Najam Sardar, Remediation of diesel contaminated soil by surfactants, *International Journal of Environmental Research and Development (ISSN 2249-3131)*, vol 3, Number 3, 2013, p 74-77.
 12. Sunil Kumar and Najam Sardar, Studies on Polyethylene (PEO) and CTAB Interactions, *Journal of Basic and Applied Engineering Research (ISSN:2350-0077)*, vol 2, Number 1, 2015, p 29-33.

CONFERENCES/SEMINARS/WORKSHOP ATTENDED

42. National Convention on Vocationalization of Computer Education, Sept.28-29, 1996, organized by Department of Computer Science, AMU, Aligarh.
43. 5th National Convention on Corrosion, Nov. 22-24, 1999, Hotel Hyatt Regency, New Delhi.
44. 8th Annual Indian Oil & Gas Review Symposium (IORS 2001), Mumbai, sept.10-11, 2001, pp178-182.
45. 3rd International Symposium on Fuels and Lubricants (ISFL 2002), Oct.7-9,2002, New Delhi.
46. Workshop on Recent Advances in Hydrocarbon Technology, Oct 26, 2002, organized by Department of Petroleum Studies, AMU, Aligarh.
47. All India Seminar on Energy Management in Process Industries, February 18-19, 2006, Department of Petroleum Studies, Aligarh.
48. 5th international Symposium on Fuels and Lubricants (ISFL 2006), March 7-11,2006, New Delhi.
49. All India Seminar on Advances in Environmental Science and Technology, February 15-16, 2008, Aligarh.
50. National Conference on Advances in Petroleum Refining and Petrochemical Technologies, March 21, 2009, Deptt of Petroleum Studies, AMU, Aligarh.
51. International Conference on Chemistry: Frontiers and Challenges, 5 & 6th March, 2011, Department of Chemistry, A.M.U., Aligarh.
52. PETROFEST-2011, National Seminar Cum Workshop for Students On “Indian Petroleum Resources and Petroleum Industry, Present Scenario and Future Prospects” organized by Delta Studies Institute, Andhra University, Visakhapatnam, 27-29, December, 2011.

53. Ist National Conference on Recent Advances in Technology and Engineering (RATE-2012), January 20-22, 2012, organized by Institute of Engineerin and Technlogy, Mangalayatan University, Mathura Highway, Beswan, Aligarh.
54. National Conference on Energy and Environmental Issues related to Chemical Industries, (EEChem I-2012), Feburary 18-19, 2012, Organized by Department of Chemical Engineering, Faculty of Engineering and Technology, Raja Balwant Singh College, Bichpuri, Agra.
55. National Conference in New Vistas in Chemistry, March 2-3, 2012, organized by Department of Chemistry, AMU, Aligarh.
56. National Conference on Hydrocarbon, Energy and Environment (HEEcon - 2012) on February 25, 2012, organized by Department of Petroleum Studies, AMU, Aligarh
57. ALIGARH NANO-II, National Conference on Nanoscience and Nanotechnology, March, 10-12, 2012, organized by Department of Applied Physics, Z. H. College of Engg. & Tech., AMU.
58. National Conference On “Emerging Trends in Engineering, Technologies & Sciences for Sustainable Development” (ETETSSD – 2012) Organized by “Krishi Sanskriti” On 5th & 6th June 2012 Venue: School of Social Sciences Auditorium, Jawaharlal Nehru University, New Delhi-110067.
- 59.** Worshop on "Fuel Cells as Backup Power for Telecommunication Networks" on December 22, 2012 at Department of Electrical Engineering, Aligarh Muslim University, Aligarh.
- 60.** National Symposium on "Nanotechnology for Chemical Applications" on February 27, 2013 at Z. H. College of Engineering & Technology, Aligarh Muslim University, Aligarh.
61. Two day Workshop on "Process Modelling and Simulation" on March 23-25, 2013 at Department of Chemical Engineering, Aligarh Muslim University, Aligarh.

62. National Workshop on Advances in Polymeric Materials, on 21-22 September 2013, organized by deptt. Of Applied Chemistry, AMU, Aligarh.
63. International Conference on Nanoscience & Nanotechnology, "Aligarh Nano-IV International 2014, organized by Department of Applied Physics, Aligarh Muslim University, Aligarh, held on March 8th -10th, 2014.
64. National Symposium on Chemistry, 22 March 2014, organized by Department of Chemistry, AMU, Aligarh.
65. National Conference on Nanotechnology and renewable Energy (NCNRE-14), April 28-29, 2014, organized by Department of Applied Sciences and Humanities, Faculty of Engineering and Technology, Jamia Millia Islamia, New Delhi-110025.
66. International Conference on CHEMICAL ENGINEERING - EMERGING DIMENSIONS AND CHALLENGES AHEAD & Indo japanese Symposium on SEPARATION TECHNOLOGY FOR GREEN ENVIRONMENT CHEMCON-2014, December 27-29, 2014, organized by Chandigarh Regional Centre, Indian Institute of Chemical Engineers, Chandigarh.
67. International Conference on "Chemical, Environmental, Bioprocess, Textiles, Mining, Material and Metallurgical Engineering" (CEBTME -2015), 17-18 January, 2015, organized by Krishi Sanskriti, JNU, New Delhi.
68. National Conference on Hydrocarbon, Energy and Environment (HEEcon-2015), organized by Department of Petroleum Studies AMU, April 25, 2015
69. International Symposium on Fusion of Science & Technology (ISFT-2016), 18-22 January, 2016 at NASC CompleX, Pusa Road, New Delhi.

COURSES ATTENDED

1. QIP Summer School on Energy Conversion and Management organized by Centre for Energy studies IIT, Delhi. May 11- 22, 1998.

2. UGC sponsored Orientation Course organized by Academic Staff College, AMU from 07.11.2001 to 07.12.2001.
3. UGC sponsored Refresher Course on 'Advances in Chemical Engineering', from 22.01.2002 to 12.02.2002, Organized by Department of Chemical Engineering, AMU, Aligarh.
4. Patent Awareness Programme on 22 July, 2003 organized by Patent Office, New Delhi in cooperation with Z. H. College of Engg.& Technology, AMU, Aligarh.
5. UGC Sponsored Course on "Communication Skills" Feb' 20-29, 2004, organized by Academic Staff College, AMU, Aligarh.
6. UGC Sponsored Refresher Course on Environmental Studies (Interdisciplinary) with Grade "A", 17.05.2006 to 03.06.2006, Organized Academic Staff College AMU, Aligarh.
7. Short Term Course on Steady State Modelling using Aspen Plus from October 8 to 10, 2013, conducted by Equinox Software & Services Private Limited, organized by Department of Chemical Engineering.
8. Short Term Training Program on MS Excel under TEQIP-II Program, 2-7 December, 2013 organized by Department of Petroleum Studies, AMU, Aligarh.
9. Short Term Course on Do Engineering Using Advance LabView with Hardware Integration, February 8-10, 2014, organized by Department of Petroleum Studies, AMU, Aligarh.
10. One week course on Academic paper Writing Skills, 26 March to 2 April 2014, organized by UGC Academic Staff College, AMU, Aligarh.
11. One Week Faculty Development Program sponsored by TEQIP-II, 18.05.2015 to 23.05.2015 held at Z. H. College of Engg. & Technology, AMU, Aligarh.

HONOURS

1. Conference Chair in National Conference on Hydrocarbon, Energy and Environment (HEECON-2012), organized by department of Petroleum Studies, AMU Aligarh 17-19 Dec. 2011.
2. Conference Chair in National Conference on Hydrocarbon, Energy and Environment (HEECON-2012), organized by department of Petroleum Studies, AMU, Aligarh, 25 April. 2015.
3. Acted as Resource Person in 30.09.2015 as a part of the Refresher course in Computer Application organized by UGC Human Human Resource Development Centre, AMU, Aligarh.